



March 01, 2019

Jon Kenning, Chief
Water Protection Bureau
Department of Environmental Quality
PO Box 200901
Helena, MT 59620-0901

Subject: 2018 Small MS4 Annual Report; Individual Permit Number MT0031844

Dear Mr. Kenning:

Currently, the Montana Department of Transportation (MDT) holds the following small MS4 permits that are administratively extended under the 2010 MS4 General Permit: MTR040001 – Billings, MTR040002 – Bozeman, MTR040004 – Great Falls, MTR040005 – Kalispell, MTR040006 – Butte, MTR040007 – Missoula, MTR040009 – Helena, and MTR040010 – Yellowstone County.

In previous permit cycles, MDT held a co-permittee status for each of the above permits except MT040009, which was a sole permittee. During the 2015 renewal process, MDT made the decision to apply for an individual Montana Pollutant Discharge Elimination System (MPDES) permit. The application for this individual permit was submitted to your agency on November 24, 2014. A Notice of Completeness for MDT's application was received on December 19, 2014, providing the Individual MPDES Permit number MT0031844. The letter also provided notice under ARM 17.30.1313 that our current permits would be administratively extended until such time your agency issues the individual permit.

Subsequent email correspondence with your agency in January 2016 indicated MDT had the option to submit one annual report under the individual permit MT0031844 to cover the currently administratively extended permits.

MDT's Storm Water Management Plan is applied uniformly statewide in all of Montana's small MS4s. For clarity and efficiency, MDT is submitting a single annual report. By submitting one annual report for MDT's Individual Permit MT0031844, repetition of information will be eliminated. Any information specific to one permit will reference only that specific permit (i.e. MTR04---) or the MS4 Area.

Please find attached an original signature copy of the 2018 MPDES Small MS4 Annual Report Form (MS4-AR). Appendices are identified within the provided form and attached. The comprehensive annual report is signed and certified as a whole document.

Of particular note, MDT would like to highlight some of our major achievements in the past year:

- Completed storm drain grading at the Kalispell Maintenance Facility;
- Completed the wash bay at the Great Falls Maintenance Facility;

- Ongoing consultant development of a formal MS4 outfall designation procedure and MS4 outfall mapping updates; and
- Consultant completed the update to MDT's Online SWPPP Administrator training.

If you have any questions or concerns, please contact Tom Gocksch at 406.444.9412 or Mark Young at 406.444.6395. They will be pleased to assist you.

Sincerely,



Tom S. Martin, P.E.
Environmental Services Bureau Chief

e-copies:

Lynn Zanto	Rail, Transit, and Planning Division Administrator
Ed Toavs, P.E.	Missoula District Administrator
Jeff Ebert, P.E.	Butte District Administrator
Doug Wilmot	Great Falls District Administrator
Rod Nelson	(acting) Billings District Administrator
Justun Juelfs	Kalispell Maintenance Chief
Steve Felix	Missoula Maintenance Chief
Kyle DeMars	Bozeman Maintenance Chief
Kam Wrigg	Butte Maintenance Chief
Harry Barnett	Great Falls Maintenance Chief
Tom Tilzey	Billings Maintenance Chief
Bob Vosen, P.E.	Missoula District Construction Engineer
William Fogarty	Butte District Construction Engineer
Rich Hibl, P.E.	Great Falls District Construction Engineer
Mike Taylor, P.E.	Billings District Construction Engineer
Michael Ivanoff, P.E.	Missoula District Environmental Engineering Specialist
Rich Nehl, P.E.	Butte District Environmental Engineering Specialist
David Grosse, P.E.	Great Falls District Environmental Engineering Specialist
Shaun Sampson	Billings District Environmental Engineering Specialist
Andrew Fletcher	Glendive District Environmental Engineering Specialist
Doug McBroom	Maintenance Operations Manager
Mike Murolo	Maintenance Facilities Manager
Dave Hedstrom, P.E.	Hydraulics Engineer
Tom Martin, P.E.	Environmental Services Bureau Chief
Tom Gocksch, P.E.	Environmental Services Engineering Section Supervisor
Walter Ludlow, P.E.	Field Services Unit Supervisor
Mark Young, P.E.	Statewide Environmental Engineering Specialist/MS4 Coordinator

copy w/ attachments
ESB MS4 File

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Permit No.:

Date Rec'd

Rec'd By



WATER PROTECTION BUREAU

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

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Section A - Permit Authorization Number for FacilityMTR04 0 0 0 1

MS4 Annual Report for Calendar Year

20 1 8

What size population does your MS4 serve?

0 (No Resident Population)**Section B - Facility or Site Information** (See instructions.):Small MS4 Name MDT MS4 - BillingsZip Code 59101-59108, 59111-59112, 59114-5911 County YellowstoneLatitude 45.787397Longitude -108.499947Small MS4 Type: Federal State County City/Town Other **Section C - Applicant (Owner/Operator) Information**Contact Person: Name Tom Martin Title Bureau Chief - Environmental ServicesOwner or Operator Montana Dept. of TransportationMailing Address PO Box 201001City, State, and Zip Code Helena, MT 59620Phone Number (406) 444-0879**Section D - Water Quality Priorities**1. Does your MS4 discharge to waters listed as impaired on the Montana 303(d) List? Yes No

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Section A - Permit Authorization Number for Facility MTR04 0 0 0 2
 MS4 Annual Report for Calendar Year 2018
 What size population does your MS4 serve? 0 (No Resident Population)

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

Small MS4 Name MDT MS4 - Bozeman
 Zip Code 59715, 59716, 59719, and 59772 County Gallatin
 Latitude 45.68873 Longitude -111.03194
 Small MS4 Type: Federal State County City/Town Other

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Tom Martin Title Bureau Chief - Environmental Services
 Owner or Operator Montana Dept. of Transportation
 Mailing Address PO Box 201001
 City, State, and Zip Code Helena, MT 59620
 Phone Number (406) 444-0879

Section D - Water Quality Priorities

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

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Section A - Permit Authorization Number for Facility MTR04 0 0 0 4
 MS4 Annual Report for Calendar Year 2018
 What size population does your MS4 serve? 0 (No Resident Population)

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

Small MS4 Name MDT MS4 - Great Falls
 Zip Code 59401 through 59406 County Cascade
 Latitude 47.52378 Longitude -111.30896
 Small MS4 Type: Federal State County City/Town Other

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Tom Martin Title Bureau Chief - Environmental Services
 Owner or Operator Montana Dept. of Transportation
 Mailing Address PO Box 201001
 City, State, and Zip Code Helena, MT 59620
 Phone Number (406) 444-0879

Section D - Water Quality Priorities

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

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Section A - Permit Authorization Number for FacilityMTR04 0 0 0 5

MS4 Annual Report for Calendar Year

2 0 1 8

What size population does your MS4 serve?

0 (No Resident Population)**Section B - Facility or Site Information** (See instructions.):Small MS4 Name MDT MS4 - KalispellZip Code 59901County FlatheadLatitude 48.1978Longitude -114.3161Small MS4 Type: Federal State County City/Town Other **Section C - Applicant (Owner/Operator) Information**Contact Person: Name Tom Martin Title Bureau Chief - Environmental ServicesOwner or Operator Montana Dept. of TransportationMailing Address PO Box 201001City, State, and Zip Code Helena, MT 59620Phone Number (406) 444-0879**Section D - Water Quality Priorities**1. Does your MS4 discharge to waters listed as impaired on the Montana 303(d) List? Yes No

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Section A - Permit Authorization Number for Facility

MTR04 0 0 0 6

MS4 Annual Report for Calendar Year

2 0 1 8

What size population does your MS4 serve?

0 (No Resident Population)

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

Small MS4 Name MDT MS4 - ButteZip Code 59701 and 59702County Silver BowLatitude 45.9688Longitude -112.5158Small MS4 Type: Federal State County City/Town Other

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Tom Martin Title Bureau Chief - Environmental ServicesOwner or Operator Montana Dept. of TransportationMailing Address PO Box 201001City, State, and Zip Code Helena, MT 59620Phone Number (406) 444-0879

Section D - Water Quality Priorities

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

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Section A - Permit Authorization Number for FacilityMTR04 0 0 0 7

MS4 Annual Report for Calendar Year

2 0 1 8

What size population does your MS4 serve?

0 (No Resident Population)**Section B - Facility or Site Information** (See instructions.):Small MS4 Name MDT MS4 - MissoulaZip Code 59802County MissoulaLatitude 46.86667Longitude -114.0000Small MS4 Type: Federal State County City/Town Other **Section C - Applicant (Owner/Operator) Information**Contact Person: Name Tom Martin Title Bureau Chief - Environmental ServicesOwner or Operator Montana Dept. of TransportationMailing Address PO Box 201001City, State, and Zip Code Helena, MT 59620Phone Number (406) 444-0879**Section D - Water Quality Priorities**1. Does your MS4 discharge to waters listed as impaired on the Montana 303(d) List? Yes No

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Section A - Permit Authorization Number for Facility MTR04 0 0 0 9
 MS4 Annual Report for Calendar Year 2018
 What size population does your MS4 serve? 0 (No Resident Population)

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

Small MS4 Name MDT MS4 - Helena
 Zip Code 59601 & 59602 County Lewis and Clark
 Latitude 45.58925 Longitude -111.9937
 Small MS4 Type: Federal State County City/Town Other

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Tom Martin Title Bureau Chief - Environmental Services
 Owner or Operator Montana Dept. of Transportation
 Mailing Address PO Box 201001
 City, State, and Zip Code Helena, MT 59620
 Phone Number (406) 444-0879

Section D - Water Quality Priorities

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

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Section A - Permit Authorization Number for Facility

MTR04 0 0 1 0

MS4 Annual Report for Calendar Year

20 1 8

What size population does your MS4 serve?

0 (No Resident Population)

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

Small MS4 Name MDT MS4 - Yellowstone CountyZip Code 59101-59108, 59111-59112, 59114-5911 County YellowstoneLatitude 45.821742Longitude -108.414288Small MS4 Type: Federal State County City/Town Other

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Tom Martin Title Bureau Chief - Environmental ServicesOwner or Operator Montana Dept. of TransportationMailing Address PO Box 201001City, State, and Zip Code Helena, MT 59620Phone Number (406) 444-0879

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
Please see Appendix L, D.2 and Appendix D for detailed information.			

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

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?

MDT contractors are contractually obligated to follow all applicable water quality protection laws.

Section E - Public Education and Public Participation

Please see Appendix L, Section E for detailed information.

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?
 Litter, sediment from MDT construction activities, vehicle fluids, and general stormwater pollution awareness.

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.
 We currently do not have quantified outcomes.

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?	Please see Appendix L, F.1. for detailed information.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other construction waste control requirements?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requirement to submit construction plans for review?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
MS4 enforcement authority?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

2. Do you have written procedures for:

Reviewing construction plans?	Please see Appendix L, F.2 for detailed information.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Performing inspections?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Responding to violations?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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. Please see Appendix L, F.3
4. How many of the sites identified in F.3. did you inspect during this reporting period? See Appendix L, F.4
5. Describe, on average, the frequency with which your SWMP conducts construction site inspections. DEES performed 7 inspections in 2016 of the project. Please see Appendix L, F.5. regarding MDT guidelines.
6. Do you prioritize certain construction sites for more frequent inspections? Yes No
 If yes, based on what criteria?
Please see Appendix L, F.6. regarding MDT guidelines.
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 | # 0 (zero) | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative fines | # 0 (zero) | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Stop Work Orders | # 0 (zero) | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Civil penalties | # 0 (zero) | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Criminal actions | # 0 (zero) | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative orders | # 0 (zero) | 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
See Appendix L, F.8. for more information.
9. What are the 3 most common types of violations documented during this reporting period?
N/A
10. How often do municipal employees receive training on the construction program?
See Appendix L, F.10

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. See Appendix L, G.3
 Number of Major outfalls See Appendix L, G.3 Number of Minor Outfalls See Appendix L, G.3
 Are these numbers estimated or measured? See Appendix L, G.3
4. Do you have documented procedures, including frequency, for screening outfalls? Yes No
Please see Appendix L, G.4.
5. Of the outfalls identified in G.3., how many were screened for dry weather discharges during this reporting period? See Appendix L, G.5
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? All of them
7. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.
The DEES perform dry weather screening at each outfall once per permit cycle per BMP-IDDE-02 of MDT SWMP.

8. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges? Yes No
Please see Appendix L, G.8, 9 for detailed information.
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?
 None _____
11. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? N/A _____
12. How often do municipal employees receive training on the illicit discharge program?
 Training will be performed annually for key personnel. _____

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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| All municipal construction activities, including those disturbing less than 1 acre? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| All municipal turf grass/landscape management activities? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| All municipal vehicle fueling, operation and maintenance activities? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| All municipal maintenance yards? MDT maintenance facilities have FPPPs. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| All municipal waste handling and disposal areas? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Other

MDT is not a municipality. Items checked 'no' are not under MDT jurisdiction. See appendix L, H.1 for more info.

2. Are storm water inspections conducted at these facilities? Yes No
3. If yes, at what frequency are inspections conducted? MDT facilities are inspected monthly per FPPP
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).
 Please see Appendix L, H.4 for more information. _____
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?
 N/A _____
7. Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management? Please see Appendix L, H.7 for detailed information. 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?
 Pertinent MDT employees are provided with training at least once per permit cycle and updates as needed. _____

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

Please see Appendix L, I.1 for detailed information.

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?
MDT requirements are specified in the Permanent Erosion and Sediment Control Manual (PESC Manual)
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 under MDT jurisdiction within a MS4 area are reviewed
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.
Hydraulics, PESC, and Maintenance Manuals (<http://www.mdt.mt.gov/publications/manuals.shtml>)
7. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 100% Please see Appendix L, I.7
8. How many of the plans identified in I.7. were approved? 100% Please see Appendix L, I.8
9. How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? N/A - Not within MDT authority
10. How many of the practices/facilities identified in I.9. were found to have inadequate maintenance?
N/A
11. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?
Deficiencies are to be corrected as soon as practicable considering pertinent factors, such as safety.
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?
Please see Appendix L, I.12.
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 (zero)

14. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance? Yes No
Please see Appendix L, I.14. for more info.
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?
 MS4 specific budget not tracked Please see Appendix L, J.1.
2. What is next year's budget for implementing the requirements of your MS4 MPDES permit? Undetermined
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: MDT Environmental Services Bureau Budget Amount \$ _____ OR % _____
- Source: MDT Maintenance Budgets Amount \$ _____ OR % _____
- Source: State and federal dollars for highway design and construction 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)? Please see Appendix L, J.4.
5. Do you share Storm Water Management Program implementation responsibilities with any other entities? Yes No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
N/A		

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
None			

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. None

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.

Please see Appendix L for additional information.

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.

Per Part IV.A.5 of the 2010 General Permit, MDT is not required to provide Storm Water Quality Monitoring.

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 Involvement/ Participation	II.B.2.					
Illicit Discharge Detection and Elimination (IDDE)	II.B.3.					
Construction Site Storm Water Runoff Control	II.B.4.					
Post-Construction Storm Water Management in New Development and Redevelopment	II.B.5.					
Pollution Prevention/Good Housekeeping for Municipal Operations	II.B.6.					

****Please see Appendix N for supplemental information. ****

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				
Minimum Control Measure Name (If Applicable)				
General Permit Condition Item Number (If Applicable)				
Brief Description of Planned SWMP Action Taken	**Please see Appendix O for supplemental information. **			
Responsible Agency, Department, or Organization; and Person or Position				
Measurable Goal or Performance Standard Utilized				
Quantitative Indicators Used and Results				
Impact On SWMP Effectiveness				

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				
Minimum Control Measure Name (If Applicable)				
General Permit Condition Item Number (If Applicable)	<p>MDT has applied for a Individual Permit; MDT's SWMP and associated BMPs will be evaluated/updated in accordance with the requirements as listed in the Individual Permit. **Please see Appendix P for additional info.**</p>			
Brief Description of Planned SWMP Action Taken				
Responsible Agency, Department, or Organization; and Person or Position				
Measurable Goal or Performance Standard Utilized				

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)

Tom Martin

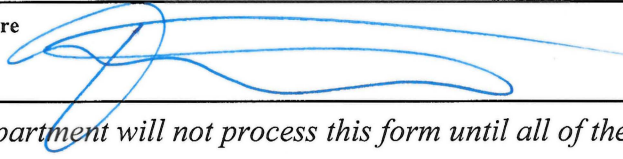
B. Title (Type or Print)

Chief - Environmental Services Bureau

C. Phone No.

(406) 444-0879

D. Signature



E. Date Signed

March 01, 2019

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 D

Section D (page 2) – Additional Information

Individual Permit Authorization: MT0031844

(Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

Appendix D
 Permit Authorization: MTR040001
 Montana Department of Transportation
 Billings MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Canyon Creek (MT43F002_021)	Other flow regime alterations	No	No
Yellowstone River (MT43F001_010)	Arsenic	No	No
	Benthic – Macroinvertebrate Bioassessments	No	No
	Dissolved Oxygen Saturation	No	No
	Excess Algal Growth	No	No
	Nutrient – Eutrophication Biological Indicators	No	No
	Oil and Grease	No	No
	Periphyton (Aufwuchs) Indicator Bioassessments	No	No
	Solids (Suspended-Bedload)	No	No
Yellowstone River (MT43F001_011)	Cause Unknown	No	No
	Chlorophyll-a	No	No
	Nitrate/Nitrite (Nitrite + Nitrate as N)	No	No
	Oil and Grease	No	No
	Other anthropogenic substrate alterations	No	No
	Physical substrate habitat alterations	No	No

Appendix D
 Permit Authorization: MTR040002
 Montana Department of Transportation
 Bozeman MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Bridger Creek (MT41H003_110) *	Chlorophyll-a	No	No
	Nitrate/Nitrite (Nitrite + Nitrate as N)	Yes	Yes**
East Gallatin River (MT41H003_010)	Nitrogen (Total)	Yes	Yes**
	Phosphorus (Total)	Yes	Yes**
Sourdough (Bozeman Creek) (MT41H003_040)	Alteration in stream-side or littoral vegetative covers	No	No
	Chlorophyll-a	No	No
	Escherichia coli	Yes	Yes**
	Nitrogen (Total)	Yes	Yes**
	Sedimentation-siltation	Yes	Yes***

*The tables provided historical data from when MDT was a Co-Permittee, listing all impaired waters to which either MDT or a Co-Permittee discharged. The tables in Section D and Appendix D have been altered to reflect that MDT is no longer a Co-Permittee by striking out any impaired waters to which MDT does not discharge.

** The City of Bozeman MS4 is given a WLA of 0.00 during low flow conditions as the system should not be actively discharging at this time.

*** The Load Allocations (% reduction) is assigned to the City of Bozeman (& MSU) MS4.

Appendix D
 Permit Authorization: MTR040004
 Montana Department of Transportation
 Great Falls MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Missouri River (MT41Q001_011)	Chromium (total)	No	No
	Mercury	No	No
	Physical substrate habitat alterations	No	No
	Polychlorinated biphenyls	No	No
	Sedimentation-Siltation	No	No
	Selenium	No	No
	Solids (Suspended-Bedload)	No	No
	Turbidity	No	No
	Missouri River (MT41Q001_022)	Sedimentation-Siltation	No
Sand Coulee Creek (MT41Q002_040)*	Lead	No	No
	Salinity	No	No
	Zinc	No	No
Sun River (MT41K001_020)	Nitrogen (Total)	Yes	No
	Other flow regime alterations	No	No
	Phosphorus (Total)	Yes	No
	Sedimentation/Siltation	Yes	No
	Total Suspended Solids (TSS)	Yes	No

*The tables provided historical data from when MDT was a Co-Permittee, listing all impaired waters to which either MDT or a Co-Permittee discharged. The tables in Section D and Appendix D have been altered to reflect that MDT is no longer a Co-Permittee by striking out any impaired waters to which MDT does not discharge.

Appendix D
 Permit Authorization: MTR040005
 Montana Department of Transportation
 Kalispell MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Ashley Creek (MT76O002_030)	Alteration in stream-side or littoral vegetative covers	No	No
	Chlorophyll-a	No	No
	Nitrate-Nitrite (Nitrite and Nitrate as N)	Yes	No
	Nitrogen (Total)	Yes	Yes*
	Oxygen, Dissolved	Yes	No
	Phosphorus (Total)	Yes	Yes*
	Sedimentation-Siltation	Yes	Yes*
	Temperature, water	Yes	No
	Spring Creek (MT76O002_040)	Alteration in stream-side or littoral vegetative covers	No
Arsenic		No	No
Nitrate-Nitrite (Nitrite and Nitrate as N)		Yes	No
Nitrogen (Total)		Yes	Yes*
Other flow regime alterations		No	No
Oxygen, dissolved		Yes	No
Phosphorus (Total)		Yes	Yes*
Physical substrate habitat alterations		No	No
Stillwater River (MT76P001_010)	Alteration in stream-side or littoral vegetative covers	No	No
	Sedimentation/Siltation	Yes	Yes*

* The Load Allocations (% reduction) is assigned to the City of Kalispell MS4. The TMDL is not intended to add concentration or load limits to the MS4 permit; meeting permit BMP and other requirements equates to meeting the WLAs.

Appendix D
 Permit Authorization: MTR040006
 Montana Department of Transportation
 Butte MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Silver Bow Creek (MT76G003_020)	Arsenic	Yes	Yes*
	Cadmium	Yes	Yes*
	Copper	Yes	Yes*
	Lead	Yes	Yes*
	Mercury	Yes	Yes*
	Nitrates	Yes	No
	Nitrogen (Total)	Yes	Yes**
	Phosphorus (Total)	Yes	Yes**
	Physical substrate habitat alterations	No	No
	Sedimentation/Siltation	Yes	Yes*
	Zinc	Yes	Yes*

* This WLA is assigned to the Butte-Silver Bow MS4.

** The Butte-Silver Bow MS4 is given a WLA of 0.00 during low flow conditions as the system should not be actively discharging at this time.

Appendix D
 Permit Authorization: MTR040007Montana
 Department of Transportation
 Missoula MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Bitterroot River (MT76H001_030)	Alteration in stream-side or littoral vegetative covers	No	No
	Lead	Yes	No
	Temperature, water	Yes	No
Clark Fork River (MT76E001_010)*	Alteration in stream-side or littoral vegetative covers	No	No
	Arsenic	Yes	No
	Cadmium	Yes	No
	Chlorophyll-a	No	No
	Copper	Yes	No
	Iron	Yes	No
	Lead	Yes	No
	Mercury	Yes	No
	Nitrogen (Total)	Yes	No
	Phosphorus (Total)	Yes	No
	Zinc	Yes	No
Clark Fork River (MT76M001_020)	Chlorophyll-a	Yes	No
	Copper	Yes	Yes**
	Iron	Yes	Yes**
	Lead	Yes	Yes**
	Nitrogen (Total)	Yes	No
	Organic Enrichment (Sewage) Biological Indicators	Yes	No
	Phosphorus (Total)	Yes	No
Clark Fork River (MT76M001_030)	Arsenic	Yes	Yes**
	Cadmium	Yes	Yes**
	Copper	Yes	Yes**
	Iron	Yes	Yes**
	Lead	Yes	Yes**
	Nutrient-Eutrophication Biological Indicators	Yes	No
	Zinc	Yes	Yes**
Grant Creek (MT76M002_130)	Alteration in stream-side or littoral vegetative covers	No	No
	Excess Algal Growth	No	No
	Low flow alterations	No	No
	Nitrate/Nitrite (Nitrite plus Nitrate as N)	Yes	Yes**
	Nitrogen (Total)	Yes	Yes**
	Sedimentation-Siltation	Yes	Yes**
	Temperature, water	Yes	No
Blackfoot River (MT76F001_033)	Insufficient Information	N/A	N/A
Rattlesnake Creek (MT76M002_120)	Other flow regime alterations	No	No

*The tables provided historical data from when MDT was a Co-Permittee, listing all impaired waters to which either MDT or a Co-Permittee discharged. The tables in Section D and Appendix D have been altered to reflect that MDT is no longer a Co-Permittee by striking out any impaired waters to which MDT does not discharge.

** This WLA is assigned to the Missoula MS4. The WLAs are not intended to add concentration or load limits to the permit. DEQ assumes the WLAs will be met by adhering to the permit requirements and reducing either the metals concentrations or the discharger volumes, or both.

Appendix D
 Permit Authorization: MTR040009
 Montana Department of Transportation
 Helena MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns WLA to MS4
Prickly Pear Creek (MT411006_030) *	Alteration in stream-side or littoral vegetative covers	No	No
-	Ammonia (Un-ionized)	No	No
-	Arsenic	Yes	No
-	Cadmium	Yes	No
-	Copper	Yes	No
-	Lead	Yes	No
-	Low flow alterations	No	No
-	Nitrogen (Total)	Yes	No
-	Phosphorus (Total)	Yes	No
-	Physical substrate habitat alterations	No	No
-	Sedimentation/Siltation	Yes	No
-	Temperature, water	No	No
-	Zinc	Yes	No
Prickly Pear Creek (MT411006_040) *	Alteration in stream-side or littoral vegetative covers	No	No
-	Arsenic	Yes	No
-	Cadmium	Yes	No
-	Copper	Yes	No
-	Lead	Yes	No
-	Physical substrate habitat alterations	No	No
-	Sedimentation/Siltation	Yes	No
-	Temperature, water	Yes	No
-	Zinc	Yes	No
Tenmile Creek (MT411006_143) *	Alteration in stream-side or littoral vegetative covers	No	No
-	Arsenic	Yes	No
-	Cadmium	Yes	No
-	Copper	Yes	No
-	Lead	Yes	No
-	Low flow alterations	No	No
-	Nitrogen (Total)	Yes	No
-	Nutrient/Eutrophication Biological Indicators	Yes	No
-	Phosphorus (Total)	Yes	No
-	Sedimentation/Siltation	Yes	No
-	Zinc	Yes	No

*The tables provided historical data from when MDT was a Co-Permittee, listing all impaired waters to which either MDT or a Co-Permittee discharged. The tables in Section D and Appendix D have been altered to reflect that MDT is no longer a Co-Permittee by striking out any impaired waters to which MDT does not discharge.

Appendix D
 Permit Authorization: MTR040010
 Montana Department of Transportation
 Yellowstone County MS4

Impaired Water	Impairment	Approved TMDL	TMDL Assigns
Yellowstone River (MT43F001_010)	Arsenic	No	No
	Benthic – Macroinvertebrate Bioassessments	No	No
	Dissolved Oxygen Saturation	No	No
	Excess Algal Growth	No	No
	Nutrient – Eutrophication Biological Indicators	No	No
	Oil and Grease	No	No
	Periphyton (Aufwuchs) Indicator Bioassessments	No	No
	Solids (Suspended-Bedload)	No	No
Yellowstone River (MT43F001_011)	Cause Unknown	No	No
	Chlorophyll-a	No	No
	Nitrate/Nitrite (Nitrite + Nitrate as N)	No	No
	Oil and Grease	No	No
	Other anthropogenic substrate alterations	No	No
	Physical substrate habitat alterations	No	No

Appendix L

Section L (Page 7) – Additional information

Individual Permit Authorization: MT0031844

(Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

Appendix L

Section L (page 7) – Additional Information

Individual Permit: MT00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

D.2. The Clean Water Act Information Center website was reviewed for the most recent version (2016) of the Water Quality Information Summary Report for each impaired water that MDT discharges into. The tables in Appendix D provide historical data from when MDT was a Co-Permittee, listing all impaired waters to which either MDT or a Co-Permittee discharged. These tables have been altered to reflect that MDT is no longer a Co-Permittee by striking out any impaired waters to which MDT does not discharge.

Section E. Public Education and Public Participation. The 2014 SWMP was released for public input through MDT's public notice process. Unlike a city or a county, MDT does not have its own "citizens" to educate. MDT facility users are transient through the MDT system. Part of MDT's public education efforts include posts on MDT's Facebook Page. MDT uses Facebook to educate and seek input from roadway users. Additional information related to MDT's public education efforts are noted in Appendices N, O, and P.

F.1. MDT does not have ordinances or regulatory mechanisms of its own. However, to qualify for federal funding, MDT must comply with all applicable federal regulations. Additionally, FHWA has requirements at 23 CFR 650.209 specifically related to Erosion and Sediment Control during construction. MDT implements contract provisions to obligate MDT contractors to comply with applicable environmental laws. MDT has construction guidance that allows for withholding of payment, stop work orders, assessment of contract time, etc. if the contractor fails to follow said contract provisions.

F.2. MDT's contractors are sole permittees for construction discharge MPDES permits. MDT's review of the NOI package is for compliance with contract requirements, not DEQ Construction General Permit compliance. MDT has written procedures for environmental construction inspections, which includes review of storm water construction plans. Additionally, MDT has construction guidance that allows for withholding of payment, stop work orders, assessment of contract time, etc. if the contractor fails to follow said contract provisions.

F.3, F.4

MS4 AREA	ACTIVE CONSTRUCTION SITES ≥1 ACRE IN 2018	NO. INSPECTED IN 2018
MTR040001 (BILLINGS)	1	1
MTR040002 (BOZEMAN)	1	1
MTR040004 (GREAT FALLS)	0	0
MTR040005 (KALISPELL)	1	1
MTR040006 (BUTTE)	1	1
MTR040007 (MISSOULA)	4	4
MTR040009 (HELENA)	0	0
MTR040010 (YELLOWSTONE CO.)	0	0

F.5, F.6. DEES, MDT construction staff, and contractors perform construction site inspections on MDT projects. In 2016, a construction inspection process for the DEES was formalized and implemented, which included specific guidance for oversight and documentation. The guidance requires the DEES to evaluate the project type, disturbance activities, proximity to waterbodies, contractor performance, etc. to determine the appropriate

Appendix L

Section L (page 7) – Additional Information

Individual Permit: MT00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

inspection frequency for the project. This recommended inspection frequency and rationale must be identified in the inspection report. Additional information related to MDT’s MS4-related Construction efforts are noted in Appendices N, O, and P.

F.8. Currently, construction personnel track contract issues through SiteManager, an electronic management system. Additionally, MDT environmental staff use an Excel spreadsheet to track MS4 program items, such as construction project inspections and storm water compliance. MDT continues to evaluate methods for potential improvements.

F.10. The DEES provide storm water training at MDT Construction and Maintenance staff meetings within their respective districts. DEES attend outside training courses, as necessary, for continuing education purposes. Additional information related to MDT’s training efforts are noted in Appendices N, O, and P.

G.3, G.5. The number of outfalls provided in the 2018 MS4 Annual Report are carried over from the MS4 Annual Reports from previous years. MDT is currently in the process of updating and mapping MS4 outfall updates statewide. A contract was awarded in 2016 and this process will continue in 2019. This new list of outfalls, when completed, will be provided to MDEQ for assistance in creation of the new individual permit.

MS4 AREA	TOTAL OUTFALLS	NO. OF MAJOR OUTFALLS	NO. OF MINOR OUTFALLS	NO. SCREENED IN 2018
MTR040001 (BILLINGS)	17	7	10	8
MTR040002 (BOZEMAN)	22	9	13	4
MTR040004 (GREAT FALLS)	25	3	22	7
MTR040005 (KALISPELL)	19	8	11	7
MTR040006 (BUTTE)	21	0	21	3
MTR040007 (MISSOULA)	35	9	26	10
MTR040009 (HELENA)	16	3	13	11
MTR040010 (YELLOWSTONE CO.)	18	2	16	4

G.4. MDT's documentation for procedures, including frequency, for screening outfalls is specified in BMP-IDDE-02 of MDT's current SWMP. The outfall screening data was recorded on MDT's Outfall Screening form and tracked in MDT's excel tracking sheet.

G.8, G.9. The Montana Legislature did not intend for MDT to function as a regulatory body. As a result, MDT has limited authority, including the statute and rules listed below:

- 27-1-202, MCA. Right to compensatory damages;
- 27-19-104, MCA. Contents of complaint -- action for injunction by an association;
- 61-10-154, MCA. Department of transportation to adopt motor carrier safety standards -- enforcement -- designation of peace officers -- duties – violations; and
- ARM 18.3.104. Reasons for Debarment.

Appendix L

Section L (page 7) – Additional Information

Individual Permit: MT00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

MDT will follow a procedure of contacting the responsible party and asking them to address the illicit discharge. If this procedure does not resolve the discharge, it will be reported to the appropriate regulatory agencies of City Government and/or MDEQ in accordance with MDT policy and applicable laws.

H.1. Facility Pollution Prevention Plans (FPPPs) are in place for all MDT facilities in Small MS4s. Spill Pollution Controls and Countermeasures (SPCC) plans are in place for primary maintenance facilities that meet petroleum products storage thresholds requiring SPCC plans. Monthly FPPP inspections are performed and documented. Additionally, annual FPPP reviews are conducted and documented in a report. These annual reports are used to identify and prioritize funding opportunities for site improvements. For construction activities that disturb one acre or more at MDT facilities, MDT contractors are contractually obligated to adhere to applicable permit requirements including the Construction General Permit. MDT does not own or operate public parks, balls fields, other recreational facilities and open spaces, or waste handling and disposal areas.

H.4. All current MDT facilities within a Small MS4 have a FPPP in place. The FPPPs provide the guidelines for storm water management on the MDT facilities and their respective inspection frequencies; all MDT facilities are currently on a monthly FPPP inspection schedule. Additional Best Management Practices for maintenance activities are included in MDT's Maintenance Operations and Procedures Manual.

H.7. MDT provides its employees with training specific to storm water. MDT contractors are contractually obligated to adhere to applicable permit requirements including the General Storm Water Permit requirement for a certified SWPPP administrator. Detailed, comprehensive storm water training is required to become a certified SWPPP Administrator.

I.1. MDT does not have regulatory authority to create or enforce ordinances. However, to qualify for federal funding, MDT must comply with applicable federal regulations. At 23 CFR 650 subpart B, FHWA has requirements specifically related to erosion and sediment control on highway projects. In order to meet these federal regulations, MDT developed and implemented Permanent Erosion and Sediment Control (PESC) Design Guidelines, which includes evaluation of Low Impact Development (LID) Practices to be considered in project designs. Specific LID proposals are documented on a LID form during design. For private developments requesting access and/or encroachment onto MDT right-of-way, MDT conducts site plan reviews addressing storm water quantity. Through this review, storm water controls may be required as a condition of the approach and/or encroachment permit.

I.7, I.8. The MDT project development process from project nomination through design to actual construction is long and complex. During this process, one project may be reviewed multiple times per year over a course several years. The need for incorporation of PESC and LID measures is evaluated continuously throughout project design. Chapter 2 of the PESC Manual details the evaluation and design process. MDT implements a statewide process to analyze the appropriateness of incorporating LID Practices into project designs.

I.12. When they are determined necessary to meet LID requirements, MDT designs PESC and/or LID measures into the contract plans. MDT is able to withhold payment or shut down construction operations if a contractor fails to construct, operate, and/or maintain the measures according to the contract documents. When construction is completed, a project may stay under MDT jurisdiction. In those cases, the operation and maintenance of the storm

Appendix L

Section L (page 7) – Additional Information

Individual Permit: MT00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

water facilities, such as a retention basin, may fall to MDT staff only. Some projects, once complete, are returned to local government at which point the city/county takes over responsibility and would have authorities granted under their Small MS4 program.

I.14. Currently, maintenance personnel track issues through an in-house electronic Maintenance Management System (MMS). Additionally, MDT Environmental personnel utilize an Excel tracking spreadsheet for MS4 program items. The process of gathering the required data needs improved.

J.1. MDT has extensive staff and a budget specifically devoted to environmental compliance and performance. Additionally, MDT staff are expected to participate in environmental compliance and stewardship activities in their work efforts. Current budget tracking does not allow separation of total values for MS4 compliance and implementation of SWMP. That said, some substantial improvements occurred in 2018 in support of the MS4 program and include the following:

- Completed storm drain grading at the Kalispell Maintenance Facility;
- Completed the wash bay at the Great Falls Maintenance Facility;
- Ongoing consultant development of a formal MS4 outfall designation procedure and MS4 outfall mapping updates;
- Consultant completed the update to MDT's Online SWPPP Administrator training.

J.4. Due to staff vacancies, MDT has divided the Statewide MS4 Coordinator's duties between the Statewide Environmental Engineering Specialist and Environmental Engineering Section Supervisor. The Statewide Environmental Engineering Specialist tracks data and facilitates consistency between MDT's multiple MS4 areas. The Engineering Section Supervisor provides MS4 Program Management and Development and public outreach messages. The Environmental Services Bureau Chief provides program oversight. The FSE and DEES provide MS4 support related to construction and maintenance activities. MDT maintenance and construction staff carry out many duties in support of the MS4 program. The PDEs provide MS4 support related to the pre-construction and developer activities. MDT design and system impact staff carry-out many duties in support of the MS4 program. Below is MDT's MS4 Program org chart graphically depicting the support provided by Environmental Services Bureau staff.

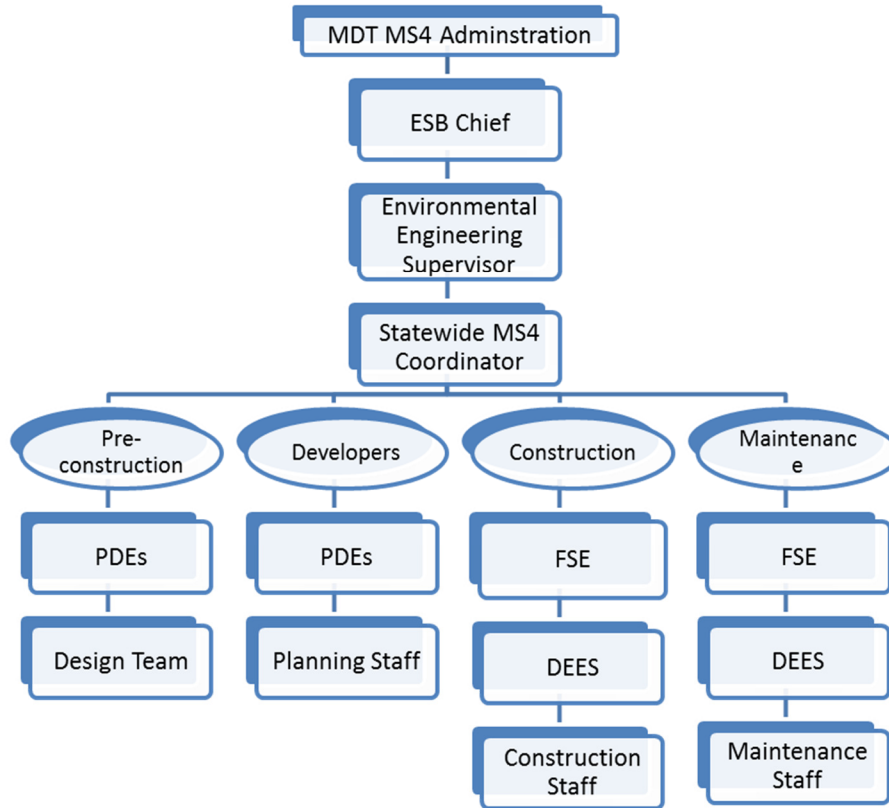
Appendix L

Section L (page 7) – Additional Information

Individual Permit: MT00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County



Appendix N

Section N (Page 9) – Additional information

Individual Permit Authorization: MT0031844

(Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

Appendix N – Summary of Compliance and/or Status of SWMP

Section N (page 09) – Additional Information

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Printed Media BMP-PEO-01	Web Sites and Social Media Sites BMP-PEO-02	Public Events BMP-PEO-03
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.1	II.B.1
Brief Description of Planned SWMP Action Taken	Make printed media available to the public.	Post storm water specific information on MDT online sources including MDT Intranet (for MDT employees), MDT internet (for roadway users), and Facebook (for roadway users).	To reach target audiences by providing or sponsoring presentations in schools and universities, conferences, retirement communities, civic clubs, libraries, businesses, and association meetings.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, Public Info Officer, DEES.	MDT, MS4 Coordinator, Environmental Engineering Section Supervisor	MDT, MS4 Coordinator, Public Info Officer, DEES.
Development of SWMP Item Completed and/or In Effect (Yes/ No)	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	<p>MDT will track, in a spreadsheet, the printed media types that were generated, the number of brochures, pamphlets, and other printed media distributed as well as the dates and locations where the printed media was handed out. At the end of the permit period, the MS4 Coordinator will compile the information recorded. MDT will distribute 5% more printed educational material than the prior year. A MS4 related article will post once a year in MDT’s Rail, Transit & Planning Division newsletter the ‘Newslines’.</p> <p><i>Note: As stated in Appendix P of the last 4 Annual Reports, MDT is focusing less on printed material and more on Social Media interactions.</i></p>	<p>This BMP will be measured by several means. First, the amount of feedback received from the Montana MS4 website, which has a link to allow comments to be emailed to MDT. The MDT MS4 Coordinator will post at least four status updates related to storm water, water quality, and other MS4 issues on the MDT social media site (Facebook) each year. This BMP will be measured by the number of subscribers to the MDT site and by the “likes” and “comments” associated with the posts.</p> <p><i>Notes: As discussed in the 2014 and 2015 Annual Reports this website was discontinued in 2015 to focus on the MDT webpages. Also, in 2016, the responsibility to develop Facebook posts was transitioned from the MS4 Coordinator to the Environmental Engineering Section Supervisor.</i></p>	<p>MDT’s Statewide MS4 Coordinator will participate in at least one public event each year to promote the Statewide MDT MS4 Program. In addition, the DEES will attend at least one public event each year to promote the storm water management program efforts in each MS4 area. Events may include storm water conferences, Storm Water Awareness Week, Montana State Fair, local Science Fairs, Earth Day, educational booths and presentations at schools and universities. MDT will track the number of events attended by MDT personnel, the date and location of events, and if possible, the number of event participants. The information will be compiled at the end of the permit period to determine its effectiveness for educating the public.</p> <p><i>Note: In 2016, the Statewide MS4 Coordinator’s continued participation in public outreach events was discontinued since it was essentially duplicative of the efforts completed by the DEES.</i></p>

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Guidance Manuals and Educational Materials BMP-PEO-04.1	Guidance Manuals and Educational Materials BMP-PEO-04.2	Public Forums BMP-PPI-01	Clean-up and Volunteer Events BMP-PPI-02
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts	Public Involvement/ Participation	Public Involvement/ Participation
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.1	II.B.2	II.B.2
Brief Description of Planned SWMP Action Taken	Make a variety of guidance manuals and educational materials accessible through the MDT website.	Work with the MDT Librarian to create a collection of stormwater materials available for education and training.	Provide the public the opportunity to comment on storm water concerns through project public meetings, public notices, NEPA/MEPA process, and corridor study process.	Adopt-A-Highway is statewide program administered by MDT where volunteers sign a contract to provide clean up services for a section of highway.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator.	MDT, MS4 Coordinator, DEES, public information personnel.	MDT, Adopt-A-Highway program manager, MS4 Coordinator.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	A link will be added to MDT Stormwater pages to take the user to MDT’s guidance and educational manuals. The first measurable goal will be to perform an annual review by the MS4 Coordinator of the internal and external MDT websites to verify that the links to the reference materials are accurate and up to date.	The second measurable goal will be completed by the MS4 Coordinator. This measurable goal is to work with the MDT librarian once per year to review MDT’s educational materials related to storm water. This review will consist of verifying that the materials available at the MDT library are accurate, adequate, and up to date. New materials will then be acquired as needed and allowed by budgetary constraints.	Compliance with NEPA and MEPA (including required public involvement) is confirmed through audits. The results of these audits will be used to track this BMP throughout the permit period.	MDT will continue to offer the Adopt-A-Highway (AAH) program. MDT’s current goal for this BMP is to work with the Adopt-A-Highway program manager to assist in creating the ability for statewide consistent compliance tracking by the end of the 2015 permit cycle. The compliance tracking will be able to keep track of which sections of roadways by reference posts are adopted, who has adopted them, and how often trash pickup is occurring.

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SWMP Activity or Component Name	Feedback BMP-PPI-03	Storm Water System Mapping BMP-IDDE-01
Minimum Control Measure Name (If Applicable)	Public Involvement/ Participation	Illicit Discharge Detection and Elimination (IDDE)
General Permit Condition Item Number (If Applicable)	II.B.2	II.B.3
Brief Description of Planned SWMP Action Taken	The public can provide feedback using several different methods. MDT will address this feedback and incorporate the feedback where appropriate.	A statewide effort to map MDT’s storm water system.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, other MDT Staff as applicable.	MDT, MS4 Coordinator, DEES.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	<p>On MDT’s social media sites, the MS4 Coordinator will make at least four announcements per year. MDT will continue to solicit feedback through work group discussions, website comments, phone calls, written e-mails or letters, training evaluations, surveys, public comment periods, and personal interactions. The MS4 Coordinator will use a spreadsheet to keep track of the amount, and type of feedback received. The MS4 Coordinator will evaluate the BMPs progress based on the amount and type of feedback received via available sources. The MS4 Coordinator will use the feedback received to create updates and revisions to the storm water program on an as needed basis to increase the amount of feedback and public interaction received.</p> <p><i>Note: In 2016, the responsibility to develop Facebook posts was transitioned from the MS4 Coordinator to the Environmental Engineering Section Supervisor.</i></p>	<p>The DEES will continue to provide on-the-ground mapping data and the Statewide MS4 Coordinator will continue to update each Small MS4 storm water system map on an annual basis and will make the updated maps available in electronic format upon request. These Small MS4 maps will be available online in 2014. MDT will solicit information from cities and counties to ensure that the information is as accurate as possible. MDT will also share new project information with co-permittees upon request. Updates include areas of new development or infrastructure improvements, as well as those areas where new information becomes available during maintenance activities. In addition, MDT will revise the Small MS4 boundaries based on city limit changes and census information on a yearly basis if these two items have changed. This BMP’s success will be based on the Small MS4 maps being updated with new information, and 25% of inlets being mapped in 2014. Over the permit cycle starting in 2015 MDT will collect and map our inlets, open channels, and subsurface conduits/pipes, dry wells, and other similar storm water conveyances.</p>

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SWMP Activity or Component Name	Dry Weather Screening BMP-IDDE-02	Storm Water Ordinances BMP-IDDE-03
Minimum Control Measure Name (If Applicable)	IDDE	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3	II.B.3
Brief Description of Planned SWMP Action Taken	Monitoring of outfalls within the MDT jurisdiction by use of both dry weather screening and visual observation.	MDT will follow local ordinances, statutes, and regulations within the Small MS4s. MDT will notify the proper enforcement authority available in the select Small MS4 that has an existing storm water ordinance in place.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, FSE, Maintenance Staff.	MDT, MS4 Coordinator, DEES, construction inspectors.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	The DEES is responsible for performing the dry weather screening at each outfall once per permit cycle. The information they gather will be used to update both the dry weather screening form along with the tracking spreadsheet in 2015. The IDDE Program protocols will be made available on the MDT website. The number of illicit or illegal discharges reported to the MS4 Coordinator will be analyzed and compared to previous years. MDT will also track the date, the outfall location, the response action, and the outcome of the implementation of such actions. Success of this BMP will be to eliminate 100% of illicit or illegal discharges from MDT operations.	Because MDT does not have legal authority to establish ordinances, it will rely on other governmental bodies to add ordinances and regulation to the existing standards that help eliminate illicit or illegal discharges into state water bodies. For applications within the Small MS4, MDT will continue to list in right of way approach and encroachment permits that applicants are expected to follow local ordinances, which include the city MS4 ordinances. As part of this measurable goal, MDT will follow applicable ordinances, and report non-compliance to the appropriate authorities. MDT will evaluate the local agreements with co-permittees at the end of this permit cycle. In addition, MDT will continue to follow the <i>Escalation Plan</i> spelled out in Management memo 03-01 that is available in electronic format on the MDT websites.

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SWMP Activity or Component Name	Public Education on IDDE BMP-IDDE-04	Training BMP-IDDE-05
Minimum Control Measure Name (If Applicable)	IDDE	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3	II.B.3
Brief Description of Planned SWMP Action Taken	MDT currently provides information on possible illicit and illegal discharges in our printed education material. MDT will continue to provide this information.	Provide district personnel with IDDE training specific to their job duties.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, other MDT staff.	MDT, MS4 Coordinator, DEES.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	<p>MDT will track, when possible, the number of calls, emails, or postings on MDT’s social media sites. Information provided during the reporting will be entered into a tracking spreadsheet. The action taken by MDT resolve the problem will also be included in the spreadsheet. When available MDT will record how the information was acquired. MDT will use this information to evaluate the highest used method of reporting. Reporting methods not being used will be evaluated to determine if changes can be made to improve its effectiveness. The number of reports will determine if having a public reporting system is effective. The results will be presented in each Annual Report. As stated in BMP 3.3.1.2, the MS4 Coordinator will be posting status updates on MDT’s social media (Facebook) page. One of these posts will be related to IDDE.</p> <p><i>Note: In 2016, the responsibility to develop Facebook posts was transitioned from the MS4 Coordinator to the Environmental Engineering Section Supervisor.</i></p>	<p>This training will be part of the IDDE Training Program and will be performed annually for key personnel. MDT will track the date, location and employees trained each year as part of the IDDE Training Program at each Small MS4. Success will be determined by ensuring up to date training material and employees requesting the training receive the training.</p>

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SWMP Activity or Component Name	Construction SWPPP BMP-CSRC-01	MDT Environmental and Construction Oversight BMP-CSRC-02
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4	II.B.4
Brief Description of Planned SWMP Action Taken	At construction sites that are required to obtain an MPDES General Permit for Storm Water Discharges associated with Construction Activity, the contractors must prepare a SWPPP.	To provide environmental and construction oversight on MDT projects. To ensure compliance with federal, tribal, state, and local laws.
Responsible Agency, Department, or Organization; and Person or Position	MDT, PDE.	MDT, DEES, project personnel.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	MDT continues to place the special provision in project contracts that require contractors on construction sites larger than or equal to one acre of disturbance and have potential to discharge into state waterways to adhere to the MPDES General Permit for Storm Water Discharges associated with Construction Activity. The measurable goal for the BMP is that project contracts have the MPDES Special Provision.	This BMP will be measured by the number of inspections conducted during the permit period. In addition, deficiencies will be tracked by project, as well as the actions taken to remedy the issues. The deficiencies and actions will be used as training tools to improve inspection procedures and to train DEES and inspection personnel for future MDT projects. MDT will track the size of project and compliance record of the contractors and subcontractors to evaluate if the environmental plans and specifications are meeting the requirements of the Construction General Permit and protecting the state's water quality. MDT staff will inspect 100% of projects within the Small MS4. The DEES attend, send a designee, or communicate directly with the project manager prior to 100% of the Pre-Construction conferences for construction projects within the Small MS4s.

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SWMP Activity or Component Name	MDT Information Analysis BMP-CRSC-03	MDT Training BMP-CSRC-04	Internal Project Administration BMP-CSRC-05
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control	Construction Site Runoff Control	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4	II.B.4	II.B.4
Brief Description of Planned SWMP Action Taken	Evaluate information gathered to improve awareness, and enhance current programs.	Provide trained staff responsible for the implementation, maintenance, and inspection of the storm water program. MDT personnel will be trained in the selection, implementation, inspection and maintenance of storm water BMPs.	MDT will use contractual agreements to ensure that projects are constructed in a manner that complies with the Clean Water Act.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, PDEs.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	The MS4 Coordinator will attend five workgroup meetings per year. These meetings may be with co-permittees, other water quality groups, or MDT staff to discuss beneficial ways to improve storm water quality. The DEES will attend at least one MDT maintenance section meeting per year for each Small MS4.	The MS4 Coordinator will maintain a log with the dates of MDT training sessions, including the online SWPPP administrator certification. Names of attendees, their departments and their responsibilities will be included on the logs. Feedback provided during the training sessions will also be tracked to improve procedures and guidelines. Data for this log will be provided to the MS4 Coordinator through the DEES at each Small MS4. The DEES will present during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and will provide an opportunity for storm water questions related to design and construction activities.	MDT will include the MS4 special provision in 100% of contracts taking place in a Small MS4. In 100% of the contracts in a Small MS4, MDT will include standard and/or special provisions requiring appropriate storm water pollution prevention and acquisition of necessary permits prior to the commencement of construction activities. The MS4 Coordinator will track projects let to contract each year in Small MS4s, and will ensure appropriate standard and special provisions are included in each of the contract documents.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Plan Reviews BMP-PCRC-01	Construction and Post-Construction Site Inspections BMP-PCRC-02	Operation and Maintenance of BMPs BMP-PCRC-03
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT reviewers will verify that applicable federal, tribal, state and local laws and regulations are followed as required by the Small MS4 Program.	MDT construction personnel inspect the features as they are being constructed to ensure that they are constructed according to the contract documents including the plans and specifications.	Evaluate MDT Operation and Maintenance Program to ensure being conducted in an effective manner.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs.	MDT, DEES, Maintenance and construction personnel.	MDT, DEES, Maintenance personnel.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	The measurable goal for this BMP will be for PDEs to review 100% of the plans within the Small MS4s. When applicable the PDEs will recommend to the design team incorporation of PESC/LID structures.	MDT construction personnel will inspect structural (permanent) BMPs on 100% of projects in a Small MS4. Before MDT assumes responsibility for a storm water permit from the Contractor, MDT personnel including the DEES, maintenance personnel, and construction personnel, complete a final project closeout inspection to ensure project BMPs (temporary and permanent) are correctly installed and functioning properly. After the project closeout is complete, the BMP maintenance becomes MDT's responsibility. MDT maintenance personnel perform maintenance on the temporary and permanent BMPs as needed. Items that could be improved during the construction phase will be passed on to construction for consideration in future projects.	Records of the current MDT Operation and Maintenance Program will be reviewed and evaluated to ensure that the O&M of BMPs is being conducted in an effective manner. The evaluation of the Program will be tailored to each MS4 area. Facilities managed by other entities (i.e., county or city) will be their sole responsibility.

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SWMP Activity or Component Name	Reviewers and Inspectors Training BMP-PCRC-04	Low Impact Development Approach BMP-PCRC-05
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT will provide training and guidance material to its employees on environmental compliance and storm water BMPs.	MDT will attempt to incorporate LID techniques where practicable in MDT projects and at its facilities within the MS4 areas when upgrades to the facilities are implemented and new or redevelopment takes place.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, PDEs.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	<p>MDT will continue to provide training to its employees on environmental compliance and storm water BMPs. Continued educational programs and specialized training will continue to be made available for individuals involved in the plan review process and for inspection personnel. The MDT-provided training and education programs attended by MDT personnel will be tracked as part of this BMP.</p> <p>Pertinent staff members will attend at least one relevant training session per permit period to develop and expand their skills pertaining to storm water pollution prevention techniques. This training will be available as an online self-review of the PESC Design Guidelines manual. MDT conducts periodic training on and updates of the PESC Manual as necessary.</p>	<p>For road construction projects in MS4 areas, MDT will evaluate 100% of designs for the potential of incorporating LID techniques. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p> <p>For “state actions” at MDT facilities within Small MS4 areas, MDT will evaluate 100% of designs for appropriateness of incorporating LID techniques. Each proposed project will be reviewed for triggering the requirements for incorporating LID, as practicable. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p> <p>For encroachment and approach permit applications within Small MS4 areas, MDT will evaluate 100% of applications for appropriateness of incorporating LID techniques. Appropriate MS4-related information will be included in the permit issuance correspondence. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p>

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SWMP Activity or Component Name	Ordinances and Storm Water Design Criteria BMP-PCRC-06	Vegetation Management Program BMP-PCRC-07
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT does not have the authority to write ordinances or requirements for storm water design criteria on non-MDT proposed projects. MDT can and does enforce MDT standards on MDT projects. MDT follows applicable federal, tribal, state and local laws and regulations within the Small MS4s.	Evaluate projects within Small MS4s that have open SWPPP permits for use of federal funds to conduct further revegetation that promotes closure of the SWPPP plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs, DEES.	MDT, DEES, Botanist.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	MDT will continue to follow federal, tribal, state and local laws and regulation and design standards. MDT will maintain and follow its design criteria for PESC and LID measures or seek formalized design exceptions for 100% of our projects within Small MS4s.	This BMP will be measured by comparing projects within the Small MS4s with open SWPPP permits held by MDT. A determination will be made if improvement to the control of storm water run-off, and infiltration can be improved with further re-vegetation. The open permit projects and the projects that are closed will be tracked as well as the projects where funding was allocated within the Small MS4s.

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SWMP Activity or Component Name	Training BMP-PPGH-01.1
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, other Environmental Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.
Measurable Goal or Performance Standard Utilized	<p>a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance staff performing SWPPP inspections in Small MS4s are in compliance with the CGP and will have Certified SWPPP Administrator training/certification. Records will be kept of personnel who have taken the SWPPP Administrator training and passed the test to become a MDT Certified SWPPP Administrator.</p> <p>b) This BMP will be measured by ensuring that 100% of the Maintenance staff performing site-specific facility SWPPP (FPPP) inspections in Small MS4s has site specific FPPP training. Records will be kept of personnel who have received training on the site-specific FPPP Administrator and inspection procedures.</p> <p>c) The DEES will provide a presentation regarding storm water issues during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and an opportunity for questions regarding storm water issues related to design and construction activities.</p> <p>d) The DEES will provide a presentation during at least one MDT maintenance section man meeting per year. The presentation will include a discussion of current storm water control issues and an opportunity for questions regarding storm water control related to maintenance activities and facilities.</p>

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SWMP Activity or Component Name	Training BMP-PPGH-01.2
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, other Environmental Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.
Measurable Goal or Performance Standard Utilized	<p>a) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly DCE meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>b) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly Maintenance Chiefs meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>c) As shown in Table 2-1, found in chapter 2, several MDT facilities in MS4 areas fall under the Spill Prevention, Control, and Countermeasure (SPCC) Rule and have SPCC Plans. SPCC training, which includes information related to the MS4 Program, will be offered annually or according to SPCC requirements.</p> <p>d) As shown in Table 2-1 found in chapter 2, MDT is working to develop site-specific Storm Water Pollution Prevention Plans (SWPPP) for MDT facilities within MS4 areas that currently do not have SWPPPs. Training is offered on each site specific SWPPP upon completion of the plan. Additional training will be offered when the plan is amended or on an as needed basis, as necessary. Dates, name, and responsibility of staff members, as well as topics discussed, will be tracked on a spreadsheet as part of this measurable goal.</p>

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Individual Permit: MT 00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Periodic SWPPP and SPCC Plan Inspections BMP-PPGH-02	Road and Parking Sweeping BMP-PPGH-03	Road and Parking Area Maintenance BMP-PPGH-04
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	MDT will perform site inspections for MDT facilities within the Small MS4s with FPPP and SPCC plans on the time basis documented in the SWMP.	Implement a Street Sweeping Program that encompasses the streets and roadways, the maintenance yards and parking areas within its facilities. The street sweeping frequency depends on need and travel volumes. Sweepers also respond to certain types of spills that require clean-up work.	MDT will follow its Roadway / Roadside Maintenance Program to maintain roadways / roadsides for safety, to protect the environment, and to maintain a pleasing aesthetics in a functional manner.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, Maintenance Staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	The DEES and MS4 Coordinator will analyze the SWPPP inspection forms on a yearly basis to evaluate opportunities to improve and deal with identified deficiencies. In some cases, funds will have to be secured to improve the current infrastructure and might require several years before the BMP can be fully implemented.	MDT's goal for the street sweeping program is to sweep 100% of the facilities and MDT maintained roads that are within our permitted Small MS4s a minimum of one time per year.	MDT will evaluate current practices used during maintenance and operational activities to determine if modifications to these practices are warranted to minimize storm water pollutants reaching water ways. The evaluation of BMPs and procedures as well as suggestions will be documented to determine the best course of action to implement improvements as the measurable goal for this BMP. Cost, ease of implementation, and risk and benefit analysis will be taken into account to make recommendations to MDT management.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Winter Maintenance Program BMP-PPGH-05	Recycling Activities BMP-PPGH-06	Vehicle Washing BMP-PPGH-07
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	MDT will evaluate the Winter Maintenance Program for feasible ways to transition to more environmental friendly methods.	MDT has several recycling programs in place at the maintenance facilities within the Small MS4s. These programs will continue to be offered.	To evaluate the vehicle wash areas and procedures to minimize discharge of pollutants into surface water.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, and Maintenance Chiefs.	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	MDT will evaluate the current procedures described in the Winter Maintenance Program and if necessary revise the existing manuals to reduce the potential of pollutants being discharged into the environment and consequently into waterways. The evaluation will be performed during the permit period, and revisions to the manuals will be posted on the MDT intranet.	MDT will continue to recycle and burn the used oil to heat select MDT facilities. MDT will also continue to recycle scrap and unused metal through the recycling companies throughout the permit period. MDT has created SWPPPs that provide guidelines to help make the storage of the recycled materials storm water runoff safe. MDT will be inspecting the facilities on a monthly basis to ensure the recycled materials are being stored in a manner that protects storm water runoff.	MDT will evaluate each maintenance facility for short term improvements (e.g., sweeping area at the end of the shift) and long term improvement (i.e. a new wash bay). The short term improvements will be implemented as soon as possible, while the long term improvements will require additional planning and funding. In 2013 MDT completed one long term goal of constructing an updated wash bay at the Missoula MDT maintenance facility capable of appropriately disposing of wash water. Others completed include: Butte in 2015, Bozeman in 2016, Great Falls in 2018. MDT currently plans to construct a new wash bay in Billings in State fiscal year 2019. Additional short term and long term improvements may be implemented and will be tracked for each facility as a measure of this goal during the permit period.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Hazardous Waste Handling BMP-PPGH-08	Material Management BMP-PPGH-09
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Limit the amount and type of hazardous materials on MDT sites, how and where they are stored, and who has access to them.	MDT will continue to stockpile and store materials, such as oils and deicing materials, in a manner to reduce the likelihood of accidental spills or release hazardous materials into the storm water system.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance Staff.	MDT, MS4 Coordinator, DEES, Hazmat section, and Maintenance Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	MDT will continue to ensure that its staff is following the proper procedures when handling and storing hazardous materials, and are well informed of the type and potential dangers associated with each chemical. Material Safety Data Sheets (MSDSs) are available at each facility within the MS4 areas and staff complies with the requirements of the SPCC Plans including monthly site inspections. MDT will evaluate the plans as revised by federal and state regulations. Staff will complete monthly inspection forms. The MS4 Coordinator working with the Hazmat Supervisor, DEES, and FSE will determine if items in the inspection process need to be amended based on data provided in inspection forms. The measurable goal for this BMP will be to maintain MDT’s status of conditionally exempt.	MDT will review existing storage procedures to ensure that they are current and effective. Revisions will be posted and employees will be made aware of the changes. This BMP will be measured by the number of spills that are reported within a permit period as required by the SWPPP and SPCC Plans. The main goal is to eliminate spills and have zero reported spills during the permit period. If a spill is reported within a permit period, corrective actions will be taken to remedy the spill and preventive measures will be put into place to prevent the spills from reoccurring.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Storm Drain System Cleaning and Maintenance BMP-PPGH-010	Develop SWPPPs and Updates to SWPPPs BMP-PPGH-11
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Conduct routine system inspections, cleaning, and maintenance of MDT maintenance facilities, yards, and storm water infrastructure within the MDT right of way.	MDT has developed SWPPPs for MDT facilities within the Small MS4s. MDT will update FPPPs as needed.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Development of SWMP Item Completed and/or In Effect (Yes/No)	Yes.	Yes.
Measurable Goal or Performance Standard Utilized	MDT will continue the current maintenance program and track the number of inspections, cleanings, and repairs conducted at each maintenance facility as well as continue maintenance conducted on MDT’s right of way within the MS4 areas. MDT tracks hours and supplies in the Management System for each MS4 area. MDT will clean and provide maintenance to storm water structures as necessary. The need is determined from the inspections taking place as a regular part of the maintenance department employees’ job duties. Other forms of notification can be from the public, city or county employees.	MDT will continue to evaluate and update the SWPPPs as conditions change regarding design, construction, operation, or maintenance at the different facilities. The changes will be recorded in the Amendment Record Log included in each SWPPP. In addition, MDT will continue to train its staff to better understand the implications of contaminating storm water and procedures to reduce the potential of contamination. MDT staff will complete the monthly SWPPP inspection forms at the currently existing SWPPP locations. SWPPP inspections will be reviewed and analyzed by the MS4 Coordinator annually for the annual report. The forms, addendums, and training will be the measurable goal for this BMP.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

For MDT MS4 purposes, MDT’s Billings District Environmental Engineering Specialist (DEES) functions are the same for both Billings and Yellowstone County. Many of the activities MDT completes do not provide a distinction between Billings and Yellowstone County. Some activities may be identical between these two MS4s or listed as Billings/Yellowstone County MS4.

SWMP Activity or Component Name	Printed Media BMP-PEO-01
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1
Brief Description of Planned SWMP Action Taken	Make printed media available to the public.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, Public Info Officer, DEES.
Measurable Goal or Performance Standard Utilized	MDT will track, in a spreadsheet, the printed media types that were generated, the number of brochures, pamphlets, and other printed media distributed as well as the dates and locations where the printed media was handed out. At the end of the permit period, the MS4 Coordinator will compile the information recorded. MDT will distribute 5% more printed educational material than the prior year. A MS4 related article will post once a year in MDT’s Rail, Transit & Planning Division newsletter the ‘Newsline’.
Quantitative Indicators Used and Results	<p>As stated in Appendix P of the last four Annual Reports, MDT is focusing less on printed materials and more on Social Media interactions. Additionally, MDT has eliminated the annual MS4 ‘Newsline’ articles.</p> <p>Due to the pending permit renewal and the shift to focusing on social media, no new brochures or pamphlets were created or printed in 2018. Printed materials are available at the entrances to MDT Headquarters, the MDT Planning Building, and MDT District Main Offices as well as from MDT ESB staff. These materials are entitled IDDE, Prevent Storm Water Pollution, and Urban Storm Water Program. Copies of these materials were provided for Public Relations Meetings throughout the state of Montana. Since MDT attended different events when compared to 2017, we are unable to determine an accurate increase in distribution numbers. MDT hosted a booth or participated at the following events:</p> <ul style="list-style-type: none"> - Lewis and Clark Elementary School Presentation (Missoula): 1/9/18; 26 brochures/handouts distributed - Butte High School Career Day (Butte): 2/8/18, 19 brochures/handouts distributed - Bozeman Public Library outreach (Bozeman): 11/30/18, 50 brochures, 50 handouts and 50 crosswords distributed - GFPS STEAM Expo (Great Falls): 3/24/18, 62 stickers, 15 brochures and 12 bookmarks distributed - Knee Deep with MDT (Missoula): 8/30/18; 21 brochures/handouts distributed
Impact on SWMP Effectiveness	Provide positive public education with a unified statewide message.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Web Sites and Social Media Sites BMP-PEO-02
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1
Brief Description of Planned SWMP Action Taken	Post storm water specific information on MDT online sources including MDT Intranet (for MDT employees), MDT internet (for roadway users), and Facebook (for roadway users).
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, Environmental Engineering Section Supervisor.
Measurable Goal or Performance Standard Utilized	This BMP will be measured by several means. First, the amount of feedback received from the Montana MS4 website, which has a link to allow comments to be emailed to MDT. The MDT MS4 Coordinator will post at least four status updates related to storm water, water quality, and other MS4 issues on the MDT social media site (Facebook) each year. This BMP will be measured by the number of subscribers to the MDT site and by the “likes” and “comments” associated with the posts. This BMP will also be measured by the development of the MDT internal MS4 website during the year 2014.
Quantitative Indicators Used and Results	MDT discontinued the MontanaMS4 website and utilizes MDT’s MS4-specific intranet site. This site is a “one-stop” source of information on the MS4 program for MDT employees and includes links to FPPPs, Annual Reports, educational and guidance material, MS4 maps, links to library material, and other websites that provide resources for MDT’s Storm Water program. Efforts in 2018 included updates to MDT’s Storm Water and MS4 websites, including monthly FPPP report uploads, an annual FPPP report upload, link maintenance, and changes to MDT staff contacts. In 2018, MDT posted 1 MS4-related post on MDT’s Facebook page. This post received 32 “likes” (down from 85 “likes” on 9 posts the previous year, which is a 62% decrease), 8 shares, and 6 comments. The MDT Facebook page currently has 28,482 followers up from 15,165 followers in the previous year, which is a 187% increase in followers.
Impact on SWMP Effectiveness	Allows sharing of a unified statewide message on storm water with a diverse and widespread audience.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Public Events BMP-PEO-03
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1
Brief Description of Planned SWMP Action Taken	To reach target audiences by providing or sponsoring presentations in schools and universities, conferences, retirement communities, civic clubs, libraries, businesses, and association meetings.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, Public Info Officer, DEES, Environmental Engineering Section Supervisor.
Measurable Goal or Performance Standard Utilized	MDT’s Statewide MS4 Coordinator will participate in at least one public event each year to promote the Statewide MDT MS4 Program. In addition, the DEES will attend at least one public event each year to promote the storm water management program efforts in each MS4 area. Events may include storm water conferences, Storm Water Awareness Week, Montana State Fair, local Science Fairs, Earth Day, educational booths and presentations at schools and universities. MDT will track the number of events attended by MDT personnel, the date and location of events, and if possible, the number of event participants. The information will be compiled at the end of the permit period to determine its effectiveness for educating the public.
Quantitative Indicators Used and Results	In 2016, the Statewide MS4 Coordinator’s continued participation in public outreach events was discontinued since it was essentially duplicative of the efforts completed by the DEES. MDT provided public presentation events in each of the MS4 areas in 2018. MDT hosted a booth or participated at the following events: <ul style="list-style-type: none"> - Lewis and Clark Elementary School Presentation (Missoula): 1/9/18; 75 students & 4 teachers - Butte High School Career Day (Butte): 2/8/18, unknown number of attendees - Bozeman Public Library outreach (Bozeman): 11/30/18, unknown number of attendees - GFPS STEAM Expo (Great Falls): 3/24/18, 200+ attendees - Knee Deep with MDT (Missoula): 8/30/18; 21 students and 4 adults
Impact on SWMP Effectiveness	Provide positive public education with a unified statewide message.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Guidance Manuals and Educational Materials BMP-PEO-04.1
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1
Brief Description of Planned SWMP Action Taken	Make a variety of guidance manuals and educational materials accessible through the MDT website.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	In 2014 a link will be added to the MontanaMS4 website (http://montanaMS4.com) to take the user to MDT’s guidance and educational manuals. The first measurable goal will be to perform an annual review by the MS4 Coordinator of the internal and external MDT websites to verify that the links to the reference materials are accurate and up to date.
Quantitative Indicators Used and Results	<p>MDT discontinued the MontanaMS4 website and utilizes MDT’s MS4-specific intranet and storm water internet site. The intranet site is a “one-stop” source of information on MDT’s MS4 program for MDT employees and includes links to FPPPs, MS4 maps, MDT’s SWMP, Annual Reports, educational and guidance material, MDT library material, and other websites that provide resources for MDT’s MS4 program.</p> <p>Both the internal MS4 and Environmental Services Bureau pages provide links to MDT’s external internet site (http://www.mdt.mt.gov/pubinvolve/stormwater/) where MDT’s Storm Water guidance and educational manuals are available.</p> <p>The internet site also provides general storm water information and education on MDT’s MS4 program as well as links to MDT staff contacts, MDT’s SWMP, MS4 maps, and other websites that provide resources for MDT’s MS4 program (e.g. DEQ, EPA, DNRC, CICA).</p> <p>The links on these pages have been checked for accuracy and updated.</p>
Impact on SWMP Effectiveness	Provide consistent preventative measures to ensure that construction and maintenance activities are conducted in compliance with the law and in such a manner that reduces the amount of pollutants discharged to surface water to the maximum extent practicable.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Guidance Manuals and Educational Materials BMP-PEO-04.2	Public Forums BMP-PPI-01
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts	Public Involvement/ Participation
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.2
Brief Description of Planned SWMP Action Taken	Work with the MDT Librarian to create a collection of storm water materials available for education and training.	Provide the public the opportunity to comment on storm water concerns through project public meetings, public notices, NEPA/MEPA process, and corridor study process.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator.	MDT, MS4 Coordinator, Project Development Engineers, public information personnel.
Measurable Goal or Performance Standard Utilized	Work with the MDT librarian once per year to review MDT’s educational materials related to storm water. This review will consist of verifying that the materials available at the MDT library are accurate, adequate, and up to date. New materials will then be acquired as needed and allowed by budgetary constraints.	Compliance with NEPA and MEPA is confirmed through audits. The results of these audits will be used to track this BMP throughout the permit period.
Quantitative Indicators Used and Results	MS4 Coordinator and MDT Librarian completed an annual review of storm water material available. The database of available material currently in place at MDT library and available for checkout by employees is at the following link: http://mdtinfo.mdt.mt.gov/mdt/library/ In addition, the “Education Resources” link on the MDT internal MS4 page takes the viewer to the currently available library resources for storm water management as well as other MS4 education resources.	No FHWA audits were conducted this year for projects in MS4 areas. Public involvement requirements are confirmed with the production of Environmental Certification Memos. MDT produces these prior to federal funding as a self-check that required environmental reviews (including public involvement) have been conducted.
Impact on SWMP Effectiveness	Provide consistent preventative measures to ensure that construction and maintenance activities are conducted in compliance with the law and in such a manner that reduces the amount of pollutants discharged to surface water to the maximum extent practicable.	Provide opportunities for the public to get involved and voice concerns early in the process.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Clean-up and Volunteer Events BMP-PPI-02	Feedback BMP-PPI-03
Minimum Control Measure Name (If Applicable)	Public Involvement/ Participation	Public Involvement/ Participation
General Permit Condition Item Number (If Applicable)	II.B.2	II.B.2
Brief Description of Planned SWMP Action Taken	Adopt-A-Highway is statewide program administered by MDT where volunteers sign a contract to provide clean up services for a section of highway.	The public can provide feedback using several different methods. MDT will address this feedback and incorporate the feedback where appropriate.
Responsible Agency, Department, or Organization; and Person or Position	MDT, Adopt-A-Highway program manager, MS4 Coordinator.	MDT, MS4 Coordinator, and other MDT Staff as applicable.
Measurable Goal or Performance Standard Utilized	MDT will continue to offer the Adopt-a-Highway (AAH) program. MDT’s current goal for this BMP is to work with the AAH program manager to assist in creating the ability for statewide consistent compliance tracking by the end of the 2015 permit cycle. The compliance tracking will be able to keep track of which sections of roadways by reference posts are adopted, who has adopted them, and how often trash pickup is occurring.	On MDT’s social media sites, the MS4 Coordinator will make at least four announcements per year. MDT will continue to solicit feedback through work group discussions, website comments, phone calls, written e-mails or letters, training evaluations, surveys, public comment periods, and personal interactions. The MS4 Coordinator will use a spreadsheet to keep track of the amount, and type of feedback received. The MS4 Coordinator will evaluate the BMPs progress based on the amount and type of feedback received via available sources. The MS4 Coordinator will use the feedback received to create updates and revisions to the storm water program on an as needed basis to increase the amount of feedback and public interaction received.
Quantitative Indicators Used and Results	MDT’s AAH program is available and active. Organizations that adopt MDT’s roadways agree to pick up trash two times per year. Adoptions per MS4 area for 2018 are as follows: Billings/Yellowstone County: (7 organizations – 22 miles) Bozeman: (4 organizations – 6 miles) Butte: (3 organizations – 8 miles) Helena: (3 organizations – 6 miles) Great Falls: (7 organizations – 14 miles) Missoula: (16 organizations – 32 miles) Kalispell: (4 organizations – 8 miles) Note: The Kalispell MS4 area does not offer the AAH program within Kalispell city limits due to safety concerns.	In 2018, MDT posted 1 MS4-related post on MDT’s Facebook page. MDT did not receive any MS4 specific comments or feedback.
Impact on SWMP Effectiveness	Clean-up events offer the community an opportunity to participate in organized and formal activities to promote storm water awareness.	Feedback ensures that MDT is developing an effective program that responds to the needs of its MS4 users.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Storm Water System Mapping BMP-IDDE-01
Minimum Control Measure Name (If Applicable)	Illicit Discharge Detection and Elimination (IDDE)
General Permit Condition Item Number (If Applicable)	II.B.3
Brief Description of Planned SWMP Action Taken	A statewide effort to map MDT’s storm water system in MS4 areas.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	The statewide MS4 Coordinator will continue to update each Small MS4 storm water system map on an annual basis and will make the updated maps available in electronic format upon request. These Small MS4 maps will be available online in 2014. MDT will solicit information from cities and counties to ensure that the information is as accurate as possible. MDT will also share new project information with co-permittees upon request. Updates include areas of new development or infrastructure improvements, as well as those areas where new information becomes available during maintenance activities. In addition, MDT will revise the Small MS4 boundaries based on city limit changes and census information on a yearly basis if these two items have changed. This BMP’s success will be based on the Small MS4 maps being updated with new information, and 25% of inlets being mapped in 2014. Over the permit cycle, starting in 2015, MDT will collect and map our inlets, open channels, subsurface conduits/pipes, dry wells, and other similar storm water conveyances.
Quantitative Indicators Used and Results	MS4 maps are available from MDT’s internet webpage at the following location: http://www.mdt.mt.gov/publications/maps.shtml#env . The MS4 maps were last updated January 2014 per the UA 2010 Census Tiger Files. Updated boundary information has been obtained and will be incorporated into these MS4 maps. MDT has a term contract in place to update MDT MS4 outfalls throughout the state; this project started within the Helena MS4 boundary but was on hold in 2018 waiting on a decision on MDT’s pending Individual MS4 Permit. Mapping updates of inlets, open channels, subsurface conduits/pipes, dry wells, and other similar storm water conveyances have been postponed until the outfall mapping updates are complete. MDT did not receive any formal requests for information from other MS4s independent of the routine collaboration on MDT’s design projects and maintenance activities.
Impact on SWMP Effectiveness	A better understanding of the storm water infrastructure and the locations of each outfall that discharges into state water bodies allows MDT staff to target our storm water program toward areas that have the highest risk of affecting water quality.

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SWMP Activity or Component Name	Dry Weather Screening BMP-IDDE-02
Minimum Control Measure Name (If Applicable)	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3
Brief Description of Planned SWMP Action Taken	Monitoring of outfalls within the MDT jurisdiction by use of dry weather screening and visual observation.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, FSE, and Maintenance Staff.
Measurable Goal or Performance Standard Utilized	The DEES is responsible for performing the dry weather screening at each outfall once per permit cycle. The information they gather will be used to update both the dry weather screening form along with the tracking spreadsheet. The IDDE Program protocols will be made available on the MDT website. The number of illicit or illegal discharges reported to the MS4 Coordinator will be analyzed and compared to previous years. MDT will also track the date, the outfall location, the response action, and the outcome of the implementation of such actions. Success of this BMP will be to eliminate 100% of illicit or illegal discharges from MDT operations.
Quantitative Indicators Used and Results	<p>The 2018 dry weather screening campaign evaluated approximately 31% of all currently listed MDT outfalls. The number of outfalls screened in 2018 by MS4 area are as follows:</p> <p>Billings: 8 of 17 (47%) Bozeman: 4 of 22 (18%) Great Falls: 7 of 25 (28%) Kalispell: 7 of 19 (37%) Butte: 3 of 21 (14%) Missoula: 10 of 35 (29%) Helena: 11 of 16 (69%) Yellowstone County: 4 of 18 (22%)</p> <p>The IDDE protocols are available on the MDT intranet site. As documented in the dry weather screening forms, no illicit discharges were detected at the outfalls identified above. MDT did receive notification of three incidents on public streets in the Great Falls MS4 area. They included:</p> <ul style="list-style-type: none"> - 6/29/18 Unknown blue substance spilled at the intersection of 57th and 2nd Ave. N. DEQ said that it was likely “Hi-Light WSP (Water soluble packet) Spray indicator.” Similar to what “the BLM’s weed crews use.” Small amount dissipated quickly into the vegetated roadside ditch. - 7/16/18 - Spill on 15th street and 12 Ave N. on Monday afternoon of about 2-5 gallons of petroleum based, concrete form release agent. Cleaned up with absorbent material and a street sweeper. - 12/12/18 - Spill at intersection of 6th St NW and Central Ave. West. About 4 cubic yards of waste from a car wash sump leaked out of a vac truck and spilled onto the road. This was scraped up with a skid steer and the remainder swept up with broom trucks. <p>The tracking spreadsheet is continuously updated as needed.</p>
Impact on SWMP Effectiveness	Identifies illicit or illegal discharges that need eliminated.

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SWMP Activity or Component Name	Storm Water Ordinances BMP-IDDE-03
Minimum Control Measure Name (If Applicable)	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3
Brief Description of Planned SWMP Action Taken	MDT will follow local ordinances, statutes, and regulations within the Small MS4s. MDT will notify the proper enforcement authority available in the select Small MS4 that has an existing storm water ordinance in place.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, and construction inspectors.
Measurable Goal or Performance Standard Utilized	MDT does not have legal authority to establish ordinances. As a result, it will rely on other governmental bodies to add ordinances and regulation to the existing standards that help eliminate illicit or illegal discharges into state water bodies. For applications within the Small MS4, MDT will continue to list in right of way approach and encroachment permits that applicants are expected to follow local ordinances, which include the city MS4 ordinances. As part of this measurable goal, MDT will follow applicable ordinances, and report non-compliance to the appropriate authorities. MDT will evaluate the local agreements with co-permittees at the end of this permit cycle. In addition, MDT will continue to follow the <i>Escalation Plan</i> spelled out in Management memo 03-01 that will be made available in electronic format on the MDT website in the year 2014.
Quantitative Indicators Used and Results	Local agreements were not renewed at the end of 2015 due to MDT’s application for an individual MS4 permit. Of the incidents of illicit discharges identified above, MDT conducted non-compliance reporting if not already conducted by another party. Management memo 03-01 is available on MDT’s website at the following location: http://mdtinfo.mdt.mt.gov/policies/docs/mgmtmem/03-01.pdf MDT’s environmental checklist that is part of approach and encroachment applications includes a question of whether the activity is in an MS4 boundary. All applications for projects located within MS4 boundaries are reviewed by the Environmental Service Bureau. In 2018, MDT notified 122 approach and encroachment permit applicants of MS4 responsibilities.
Impact on SWMP Effectiveness	Provide statewide consistency for reporting illicit discharges.

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SWMP Activity or Component Name	Public Education on IDDE BMP-IDDE-04
Minimum Control Measure Name (If Applicable)	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3
Brief Description of Planned SWMP Action Taken	MDT currently provides information on possible illicit and illegal discharges in our printed education material and on our website. MDT will continue to provide this information.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, and other MDT staff.
Measurable Goal or Performance Standard Utilized	MDT will track, when possible, the number of calls, emails, or postings on MDT’s social media sites. A reporting spreadsheet will be generated in 2014 by the MS4 Coordinator. Information provided during the reporting will be entered in the spreadsheet. The action taken by MDT to resolve the problem will also be included in the spreadsheet. When available MDT will record how the information was acquired. MDT will use this information to evaluate the highest used method of reporting. Reporting methods not being used will be evaluated to determine if changes can be made to improve its effectiveness. The number of reports will determine if having a public reporting system is effective. The results will be presented in each Annual Report. As stated in BMP 3.3.1.2, the MS4 Coordinator will be posting status updates on MDT’s social media (Facebook) page. One of these posts will be related to IDDE.
Quantitative Indicators Used and Results	MDT tracks the number of likes, shares, and comments on MDT’s Facebook page. MDT’s internet site provides information specific to IDDE and includes a link to contact the Department. The current tracking spreadsheet has a tab for IDDE. There was not an IDDE-specific post on MDT’s Facebook page in 2018.
Impact on SWMP Effectiveness	Provides information on reporting illicit discharges and the process for escalation.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Training BMP-IDDE-05	Construction SWPPP BMP-CSRC-01
Minimum Control Measure Name (If Applicable)	IDDE	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.3	II.B.4
Brief Description of Planned SWMP Action Taken	Provide district personnel with IDDE training specific to their job duties.	At construction sites that are required to obtain an MPDES General Permit for Storm Water Discharges associated with Construction Activity, the contractors must prepare a SWPPP.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, PDE.
Measurable Goal or Performance Standard Utilized	This training will be part of the IDDE Training Program and will be performed annually for key personnel. MDT will track the date, location and employees trained each year as part of the IDDE Training Program at each Small MS4. Success will be determined by ensuring up to date training material and employees requesting the training receive the training.	MDT continues to place the special provision in project contracts that require contractors on construction sites, greater than or equal to one acre of disturbance or have potential to discharge into state waterways, to adhere to the MPDES General Permit for Storm Water Discharges associated with Construction Activity. The measurable goal for the BMP is that project contracts have the MPDES Special Provision.
Quantitative Indicators Used and Results	IDDE training was provided to MDT maintenance personnel at following locations and dates: Butte – 4/25/18; (Other training was provided to maintenance personnel however, whether or not IDDE training was included was not reported.)	In 2018 there were 8 construction projects let within the MS4s and 7 pre-construction meetings were held for projects greater than or equal to one acre. All necessary projects received the special provision. It is standard operating procedures to include the MPDES & MS4 special provisions in all contracts within an MS4.
Impact on SWMP Effectiveness	Provide a knowledgeable staff capable of detecting and handling an illicit discharge.	Uniform inclusion of the MPDES special provision in MDT contracts meeting requirements.

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SWMP Activity or Component Name	MDT Environmental and Construction Oversight BMP-CSRC-02.1
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4
Brief Description of Planned SWMP Action Taken	To provide environmental and construction oversight on MDT projects. To ensure compliance with federal, tribal, state, and local laws.
Responsible Agency, Department, or Organization; and Person or Position	MDT, DEES, and project personnel.
Measurable Goal or Performance Standard Utilized	This BMP will be measured by the number of inspections conducted during the permit period. In addition, deficiencies will be tracked by project, as well as the actions taken to remedy the issues. The deficiencies and actions will be used as training tools to improve inspection procedures and to train DEES and inspection personnel for future MDT projects. MDT will track the size of project and compliance record of the contractors and subcontractors to evaluate if the environmental plans and specifications are meeting the requirements of the Construction General Permit and protecting the state’s water quality. MDT staff will inspect 100% of projects within the Small MS4.
Quantitative Indicators Used and Results	The DEES inspected MDT projects within each MS4 in accordance with the February 2016 ‘MS4 Construction and Post-Construction DEES Inspection Procedures.’ Targeted inspection frequencies were used based on risk to water quality. The number of DEES’ construction inspections that occurred in each MS4 area during 2018 are as follows: Kalispell: 2 inspection; Missoula: 26 inspections; Butte: 8 inspections; Bozeman: 10 inspections; Great Falls: 0 inspections; Helena: 0 inspections; and Billings/Yellowstone County: 1 inspections. The formalized inspection form, updated and implemented in 2016, was used in 2018. Tracking will continue through the use of the tracking spreadsheet.
Impact on SWMP Effectiveness	Environmental and construction oversight allows MDT to monitor a contractor’s performance and helps ensure that federal, tribal, state, and local laws and regulations controlling pollution of the environment are followed.

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SWMP Activity or Component Name	MDT Environmental and Construction Oversight BMP-CSRC-02.2
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4
Brief Description of Planned SWMP Action Taken	To provide environmental and construction oversight on MDT projects. To ensure compliance with federal, tribal, state, and local laws.
Responsible Agency, Department, or Organization; and Person or Position	MDT, DEES, and project personnel.
Measurable Goal or Performance Standard Utilized	The DEES attend, send a designee, or communicate directly with the project manager prior to 100% of the Pre-Construction conferences for construction projects within the Small MS4s.
Quantitative Indicators Used and Results	In 2018, the following Pre-Construction conferences for projects in MS4 areas occurred and were either attended by the DEES/FSE or comments were provided by the DEES to the Project Manager: Missoula: Missoula ADA Upgrades D-B, 2/13/18; Missoula: MBTA JOC – Missoula District, 3/6/18; Missoula: MSLA E&W – Van Buren ST Interchange, 4/11/18; Billings/Yellowstone County: 6 th Avenue North / Division St.- Billings 4/26/18; Billings/Yellowstone County: SF 149 – King Interchange Safety Improvement, 5/11/18; Billings/Yellowstone County: Zimmerman Trail-MT 3, 6/21/18; Billings/Yellowstone County: W. Billings – King Ave. to Pinehills, 8/8/18; Great Falls: Overlook Drive Path, 11/7/17;
Impact On SWMP Effectiveness	Environmental and construction oversight allows MDT to monitor contractor’s performance and helps ensure that federal, tribal, state, and local laws and regulations controlling pollution of the environment are followed.

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SWMP Activity or Component Name	MDT Information Analysis BMP-CRSC-03
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4
Brief Description of Planned SWMP Action Taken	Evaluate information gathered to improve awareness, and enhance current programs.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	The MS4 Coordinator will attend five workgroup meetings per year. These meetings may be with co-permittees, other water quality groups, or MDT staff to discuss beneficial ways to improve storm water quality. The DEES will attend at least one MDT maintenance section meeting per year for each Small MS4.
Quantitative Indicators Used and Results	<p>The MS4 Coordinator (SEES) attended 1 informal meeting with the DEQ on the MS4 general permit and application for an Individual Permit.</p> <p>The ESS and SEES attended a Montana MS4 administrators meeting on 5/03/18 at the State Stormwater Conference to discuss issues facing MS4 administrators.</p> <p>MDT maintenance staff meetings attended by the DEES were held in each District on the following dates: Butte/Helena/Bozeman MS4 Sectionman Meeting: 4/25/18, 10/22/18; Butte DEES attended Missoula & Kalispell MS4 Sectionman Meeting: 10/24/18; Missoula DEES attended Billings/Yellowstone Co. MS4 Sectionman Meeting: 4/18/18; Billings DEES did not attend Great Falls MS4 Sectionman Meeting: 4/25/18; Great Falls DEES attended</p>
Impact On SWMP Effectiveness	The information will be used to improve awareness and enhance current programs by revising existing procedures.

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SWMP Activity or Component Name	MDT Training BMP-CSRC-04	Internal Project Administration BMP-CSRC-05
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4	II.B.4
Brief Description of Planned SWMP Action Taken	Provide trained staff responsible for the implementation, maintenance, and inspection of the storm water program. MDT personnel will be trained in the selection, implementation, inspection and maintenance of storm water BMPs.	MDT will use contractual agreements to ensure that projects are constructed in a manner that complies with the Clean Water Act.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, PDEs.
Measurable Goal or Performance Standard Utilized	The MS4 Coordinator will maintain a log with the dates of MDT training sessions, including the online SWPPP administrator certification. Names of attendees, their departments and their responsibilities will be included on the logs. Feedback provided during the training sessions will also be tracked to improve procedures and guidelines. Data for this log will be provided to the MS4 Coordinator through the DEES at each Small MS4. The DEES will present during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and will provide an opportunity for storm water questions related to design and construction activities.	MDT will include the MS4 special provision in 100% of contracts taking place in a Small MS4. In 100% of the contracts in a Small MS4, MDT will include standard and/or special provisions requiring appropriate storm water pollution prevention and acquisition of necessary permits prior to the commencement of construction activities. The MS4 Coordinator will track projects let to contract each year in Small MS4s, and will ensure appropriate standard and special provisions are included in each of the contract documents.
Quantitative Indicators Used and Results	<p>MDT issued fifty-three SWPPP Administrator Certificates to MDT maintenance or planning personnel in 2018.</p> <p>The FSE completed BMP 201 training in 2018.</p> <p>The DEES attended their respective district EPM meetings on the following dates: Missoula District (Missoula, Kalispell MS4s) – 9/13/18 Butte District (Bozeman, Butte MS4s) – 3/26/18, 9/12/18 Billings District (Billings, Yellowstone Co. MS4s) – N/A Great Falls District EPM Meeting (Helena, Great Falls MS4s) – 4/25/18</p> <p>MDT’s consultant updated its online SWPPP Administrator training for MDT maintenance personnel and an online construction-related BMP training.</p>	<p>In 2018 there were 8 construction projects let within the MS4s. All of these included MS4 special provisions in the contract.</p>
Impact On SWMP Effectiveness	MDT personnel will be trained in the selection, implementation, inspection and maintenance of storm water BMPs.	Project will be constructed in a manner that complies with the Clean Water Act.

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SWMP Activity or Component Name	Plan Reviews BMP-PCRC-01
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5
Brief Description of Planned SWMP Action Taken	MDT reviewers will verify that applicable federal, tribal, state and local laws and regulations are followed as required by the Small MS4 Program.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs.
Measurable Goal or Performance Standard Utilized	The measurable goal for this BMP will be for PDEs to review 100% of the plans within the Small MS4s. When applicable the PDEs will recommend to the design team incorporation of PESC/LID structures.
Quantitative Indicators Used and Results	<p>To ensure 100% of the plans within Small MS4s consider incorporation of PESC measures, MDT’s design milestone report templates have been modified to include a specific section documenting PESC measures considered during design. These milestone reports are required to be completed for MDT federal aid projects. Additionally, a LID Practices Analysis process and form was created for statewide use by the PDEs. The form provides uniformity of the LID analyses to ensure statewide consistent determinations of and documentation of “development,” “redevelopment,” and “practicability.” This form is available on the MDT website at: http://www.mdt.mt.gov/other/webdata/external/planning/forms/MDT-ENV-007-Low_Impact_Development_Practice_Analysis.pdf</p> <p>In 2018, seventeen MDT design projects within MS4 areas at various levels of project development received LID Analysis review. The process is being refined to better determine 100% compliance.</p>
Impact On SWMP Effectiveness	Verify that applicable federal, tribal, state and local laws and regulations are followed as required by the Small MS4 Program.

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SWMP Activity or Component Name	Construction and Post-Construction Site Inspections BMP-PCRC-02
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5
Brief Description of Planned SWMP Action Taken	MDT construction personnel inspect the features as they are being constructed to ensure that they are constructed according to the contract documents including the plans and specifications.
Responsible Agency, Department, or Organization; and Person or Position	MDT, DEES, Maintenance and Construction personnel.
Measurable Goal or Performance Standard Utilized	MDT construction personnel will inspect structural (permanent) BMPs on 100% of projects in a Small MS4. Before MDT assumes responsibility for a storm water permit from the Contractor, MDT personnel including the DEES, maintenance personnel, and construction personnel, complete a final project closeout inspection to ensure project BMPs (temporary and permanent) are correctly installed and functioning properly. After the project closeout is complete, the BMP maintenance becomes MDT’s responsibility. MDT maintenance personnel perform maintenance on the temporary and permanent BMPs as needed. Items that could be improved during the construction phase will be passed on to construction for consideration in future projects.
Quantitative Indicators Used and Results	In 2018, the DEES performed three final walkthroughs on projects in MS4 areas prior to transferring permit responsibilities from the contractor to MDT. In 2018, the DEES performed three final stabilization inspections for projects in MS4 areas prior to the termination of permit coverage held by MDT.
Impact On SWMP Effectiveness	Ensures that features of projects are constructed according to the contract documents including the plans and specifications.

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SWMP Activity or Component Name	Operation and Maintenance of BMPs BMP-PCRC-03	Reviewers and Inspectors Training BMP-PCRC-04
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	Evaluate MDT Operation and Maintenance Program to ensure being conducted in an effective manner.	MDT will provide training and guidance material to its employees on environmental compliance and storm water BMPs.
Responsible Agency, Department, or Organization; and Person or Position	MDT, DEES, Maintenance personnel.	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	Records of the current MDT Operation and Maintenance Program will be reviewed and evaluated to ensure that the O&M of BMPs is being conducted in an effective manner. The evaluation of the Program will be tailored to each MS4 area. Facilities managed by other entities (i.e., county or city) will be their sole responsibility.	MDT will continue to provide training to its employees on environmental compliance and storm water BMPs. Continued educational programs and specialized training will continue to be made available for individuals involved in the plan review process and for inspection personnel. The MDT-provided training and education programs attended by MDT personnel will be tracked as part of this BMP. Pertinent staff members will attend at least one relevant training session per permit period to develop and expand their skills pertaining to storm water pollution prevention techniques. This training will be available as an online self-review of the PESC guidelines. MDT conducts periodic training on and updates of the PESC Manual as necessary.
Quantitative Indicators Used and Results	No formal recommendations were created for the O&M program. It has been determined that records for O&M program are not specifically broke out in the maintenance management system. This BMP is difficult to implement and will continue to be evaluated in 2019 for process improvements.	MDT's consultant updated its online SWPPP Administrator training for MDT maintenance personnel. Fifty-three MDT maintenance personnel became certified SWPPP Administrators in 2018.
Impact On SWMP Effectiveness	Opportunity to ensure an accurate BMP installation and to use the information gathered in evaluating improvements in future BMP installations or maintenance activities.	Provide educated staff.

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SWMP Activity or Component Name	Low Impact Development Approach BMP-PCRC-05
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5
Brief Description of Planned SWMP Action Taken	MDT will attempt to incorporate LID techniques where practicable in MDT projects and at its facilities within the MS4 areas when upgrades to the facilities are implemented and new or redevelopment takes place.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs.
Measurable Goal or Performance Standard Utilized	<p>For road construction projects in MS4 areas, MDT will evaluate 100% of designs for the potential of incorporating LID techniques. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p> <p>For “state actions” at MDT facilities within Small MS4 areas, MDT will evaluate 100% of designs for appropriateness of incorporating LID techniques. Each proposed project will be reviewed for triggering the requirements for incorporating LID, as practicable. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p> <p>For encroachment and approach permit applications within Small MS4 areas, MDT will evaluate 100% of applications for appropriateness of incorporating LID techniques. Appropriate MS4-related information will be included in the permit issuance correspondence. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.</p>
Quantitative Indicators Used and Results	<p>For road construction projects in MS4 areas, the LID Practices Analysis process and form was created for statewide use by the PDEs. The form provides uniformity of the LID analyses to ensure statewide consistent determinations of and documentation of “development,” “redevelopment,” and “practicability.” This form is available on the MDT website at: http://www.mdt.mt.gov/other/webdata/external/planning/forms/MDT-ENV-007-Low_Impact_Development_Practice_Analysis.pdf.</p> <p>In 2018, seventeen MDT design projects within MS4 areas at various levels of project development received LID Analysis review.</p> <p>For “state actions” at MDT facilities within Small MS4 areas, there were not any “state actions” at MDT facilities that triggered a redevelopment LID review in 2018.</p> <p>For encroachment and approach permit applications within Small MS4 areas, after the development of the SWMP and this commitment, it was determined that it is inappropriate for MDT to evaluate the proposed developer actions in encroachment and approach permit applications for appropriateness of incorporating LID. Instead, PDEs include a stipulation in the permit application evaluation that applicable MS4 requirements must be met, effectively placing the responsibility for the LID applicability analysis on the project proponent.</p>
Impact On SWMP Effectiveness	Incorporation of PESC/LID measures where practicable.

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SWMP Activity or Component Name	Ordinances and Storm Water Design Criteria BMP-PCRC-06	Vegetation Management Program BMP-PCRC-07
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT does not have the authority to write ordinances or requirements for storm water design criteria on non-MDT proposed projects. MDT can and does enforce MDT standards on MDT projects. MDT follows applicable federal, tribal, state and local laws and regulations within the Small MS4s.	Evaluate projects within Small MS4s that have open SWPPP permits for use of federal funds to conduct further revegetation that promotes closure of the SWPPP plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs, DEES.	MDT, DEES, Botanist.
Measurable Goal or Performance Standard Utilized	MDT will continue to follow federal, tribal, state and local laws and regulation and design standards. MDT will maintain and follow its design criteria for PESC and LID measures or seek formalized design exceptions for 100% of our projects within Small MS4s.	This BMP will be measured by comparing projects within the Small MS4s with open SWPPP permits. A determination will be made if improvement to the control of storm water run-off, and infiltration can be improved with further re-vegetation. The open permit projects and the projects that are closed will be tracked as well as the projects where funding was allocated within the Small MS4s.
Quantitative Indicators Used and Results	MDT projects currently being designed within the MS4 Area are undergoing continuous PESC/LID evaluation in accordance with the MS4 permit. In 2018, 17 MDT design projects within MS4 areas at various levels of project development received LID Analysis review.	In 2018, no projects were identified within MS4 Areas as needing vegetation improvement with the Federal Revegetation Management Program.
Impact On SWMP Effectiveness	Ensures compliance with all applicable laws, regulations and design standards.	Promotes effective stabilization and closure of SWPPP plans.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Training BMP-PPGH-01.1
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	<p>a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance staff performing SWPPP inspections in Small MS4s are in compliance with the CGP and will have Certified SWPPP Administrator training/certification. Records will be kept of personnel who have taken the SWPPP Administrator training and passed the test to become a MDT Certified SWPPP Administrator.</p> <p>b) This BMP will be measured by ensuring that 100% of the Maintenance staff performing site-specific facility SWPPP (FPPP) inspections in Small MS4s has site specific FPPP training. Records will be kept of personnel who have received training on the site-specific FPPP Administrator and inspection procedures.</p> <p>c) The DEES will provide a presentation regarding storm water issues during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and an opportunity for questions regarding storm water issues related to design and construction activities.</p> <p>d) The DEES will provide a presentation during at least one MDT maintenance sectionman meeting per year. The presentation will include a discussion of current storm water control issues and an opportunity for questions regarding storm water control related to maintenance activities and facilities.</p>
Quantitative Indicators Used and Results	<p>a) MDT staff performing SWPPP inspections have completed MDT’s online SWPPP administrator training. This training is available online at the following web page: http://mdtinfo.mdt.mt.gov/training/courses/targeted/envir.shtml. The FSE completed BMP 201 training in 2018.</p> <p>b) Informal training was conducted by DEES for MS4 maintenance facilities.</p> <p>c and d) The following MDT construction and maintenance staff meetings took place, during which the DEES discussed storm water issues such as FPPPs, MS4 processes, and SWPPP issues. Missoula District EPM Meeting (Missoula, Kalispell MS4s) – 9/13/18 Butte District EPM Meeting (Bozeman, Butte MS4s) – 3/26/18, 6/26/18, 9/13/18 Billings District EPM Meeting (Billings, Yellowstone Co. MS4s) – N/A Great Falls District EPM Meeting (Helena, Great Falls MS4s) – N/A Missoula & Kalispell MS4s Sectionman Meeting: 10/24/18; Missoula DEES attended Billings Sectionman Meeting (Billings, Yellowstone County MS4s): 4/18/18; Billings DEES did not attend Butte, Bozeman & Helena MS4s Sectionman Meeting: 4/25/18, 10/22/18; Butte DEES attended Great Falls MS4 Sectionman Meeting: 4/25/18; Great Falls DEES attended</p>
Impact On SWMP Effectiveness	To have educated staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Facility Pollution Prevention Plans (FPPPs), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Training BMP-PPGH-01.2
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	<p>a) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly DCE meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>b) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly Maintenance Chiefs meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>c) As shown in Table 2-1, found in chapter 2, several MDT facilities in MS4 areas fall under the Spill Prevention, Control, and Countermeasure (SPCC) Rule and have SPCC Plans. SPCC training, which includes information related to the MS4 Program, will be offered annually or according to SPCC requirements.</p> <p>d) As shown in Table 2-1 found in chapter 2, MDT is working to develop site-specific Storm Water Pollution Prevention Plans (SWPPP) for MDT facilities within MS4 areas that currently do not have SWPPPs. Training is offered on each site specific SWPPP upon completion of the plan. Additional training will be offered when the plan is amended or on an as needed basis, as necessary. Dates, name, and responsibility of staff members, as well as topics discussed, will be tracked on a spreadsheet as part of this measurable goal.</p>
Quantitative Indicators Used and Results	<p>a) The FSE attended the February 1, 2018 DCE meeting and discussed materials control (chips & millings) and permitting issues.</p> <p>b) The FSE did not attend a Maintenance Chiefs meeting in 2018 (due to staff changes).</p> <p>c) Training and review of the SPCC plans at MDT facilities occurred per SPCC requirements.</p> <p>d) All MDT facilities listed in Table 2-1 of the SWMP have FPPPs implemented that address storm water controls.</p>
Impact On SWMP Effectiveness	To have educated staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, SWPPPs, and SPCCs.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Periodic SWPPP and SPCC Plan Inspections BMP-PPGH-02
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	MDT will perform site inspections for MDT facilities within the Small MS4s with FPPP and SPCC plans on the time basis documented in the SWMP.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.
Measurable Goal or Performance Standard Utilized	The DEES and MS4 Coordinator will analyze the SWPPP inspection forms on a yearly basis to evaluate opportunities to improve and deal with identified deficiencies. In some cases, funds will have to be secured to improve the current infrastructure and might require several years before the BMP can be fully implemented.
Quantitative Indicators Used and Results	<p>The FPPP inspections from the MDT facilities located in MS4s are compiled in an annual summary reporting form. An initial review of this form takes place in January of each year and is used to determine if there are opportunities for improvement or deficiencies.</p> <p>In 2018, MDT made the following capital investments to improve storm water under MDT jurisdiction:</p> <ul style="list-style-type: none"> • Completed storm drain grading at the Kalispell Maintenance Facility; • Completed the wash bay at the Great Falls Maintenance Facility; • Ongoing consultant development of a formal MS4 outfall designation procedure and MS4 outfall mapping updates; and • Consultant completed the update to MDT’s Online SWPPP Administrator training.
Impact On SWMP Effectiveness	Identify potential opportunities for improvements and small procedural changes that could positively impact potential storm water contamination.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Road and Parking Sweeping BMP-PPGH-03
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Implement a Street Sweeping Program that encompasses the streets and roadways, the maintenance yards and parking areas within its facilities. The street sweeping frequency depends on need and travel volumes. Sweepers also respond to certain types of spills that require clean-up work.
Responsible Agency, Department, or Organization; and Person or Position	MDT, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT’s goal for the street sweeping program is to sweep 100% of the facilities and MDT maintained roads that are within our permitted Small MS4s a minimum of one time per year.
Quantitative Indicators Used and Results	MDT swept 100% of the MDT facilities and MDT maintained roads within the Small MS4s a minimum of once in 2018. The mileage and cost breakdown per MS4 is as follows: Missoula: 477.2 miles, \$32,397.16 Kalispell: 842.0 miles, \$57,785.45 Butte: 433.6 miles, \$35,895.06 Bozeman: 176.8 miles, \$14,923.46 Great Falls: 832.4 miles, \$61,141.56 Helena: 2,057.8 miles, \$120,923.19 Billings and Yellowstone County: 448.2 miles, \$31,916.15
Impact On SWMP Effectiveness	Remove pollutants from entering water ways.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Road and Parking Area Maintenance BMP-PPGH-04	Winter Maintenance Program BMP-PPGH-05
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	MDT will follow its Roadway / Roadside Maintenance Program to maintain roadways / roadsides for safety, to protect the environment, and to maintain a pleasing aesthetics in a functional manner.	MDT will evaluate the Winter Maintenance Program for feasible ways to transition to more environmental friendly methods.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance Staff.	MDT, MS4 Coordinator, Maintenance Chiefs.
Measurable Goal or Performance Standard Utilized	MDT will evaluate current practices used during maintenance and operational activities to determine if modifications to these practices are warranted to minimize storm water pollutants reaching water ways. The evaluation of BMPs and procedures as well as suggestions will be documented to determine the best course of action to implement improvements as the measurable goal for this BMP. Cost, ease of implementation, and risk and benefit analysis will be taken into account to make recommendations to MDT management.	MDT will evaluate the current procedures described in the Winter Maintenance Program and if necessary revise the existing manuals to reduce the potential of pollutants being discharged into the environment and consequently into waterways. The evaluation will be performed during the permit period, and revisions to the manuals will be posted on the MDT intranet. In addition, please see section 3.3.6.7 BMP on vehicle washing that describes MDT’s current progress on constructing vehicle wash bays, which correlate with achieving the winter maintenance BMP.
Quantitative Indicators Used and Results	MDT continued to maintain roadways throughout 2018 to ensure safe passage while protecting the environment. MDT will evaluate the BMP to identify a systematic approach to gathering and reviewing the maintenance information.	MDT Maintenance Division is currently in the process of updating the Maintenance Manual. ESB Management has contributed information to this update. The updates were not finalized in 2018. In 2016, MDT Environmental budgeted funds for use in building wash bays at the Great Falls and Billings maintenance facilities. The Great Falls wash bay was completed in 2018. Construction of the Billings facility is expected to take place in 2019. Facility improvement recommendations gathered throughout 2018 will be evaluated in 2019 to minimize the potential discharge of pollutants through vehicle washing.
Impact On SWMP Effectiveness	Allow for improvements in the program where practicable.	Small changes to these activities will have positive impacts in reducing potential contaminants that could be transported into state waterways.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Recycling Activities BMP-PPGH-06	Vehicle Washing BMP-PPGH-07
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	MDT has several recycling programs in place at the maintenance facilities within the Small MS4s. These programs will continue to be offered.	To evaluate the vehicle wash areas and procedures to minimize discharge of pollutants into surface water.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will continue to recycle and burn the used oil to heat select MDT facilities. MDT will also continue to recycle scrap and unused metal through the recycling companies throughout the permit period. MDT has created SWPPPs that provide guidelines to help make the storage of the recycled materials storm water runoff safe. MDT will be inspecting the facilities on a monthly basis to ensure the recycled materials are being stored in a manner that protects storm water runoff.	MDT will evaluate each maintenance facility for short term improvements (.e.g., sweeping area at the end of the shift) and long term improvement (i.e. a new wash bay). The short term improvements will be implemented as soon as possible, while the long term improvements will require additional planning and funding. In 2013 MDT completed one long term goal of constructing an updated wash bay at the Missoula MDT maintenance facility capable of appropriately disposing of wash water. MDT currently has funding available to hire a consultant in 2014 to design new wash bays for MDT Maintenance facilities in Butte, Great Falls, Billings, and Bozeman. MDT currently plans to construct the new wash bays in Butte in State fiscal year 2014 and in Great Falls and Bozeman in State fiscal year 2015. Additional short term and long term improvements may be implemented and will be tracked for each facility as a measure of this goal during the permit period.
Quantitative Indicators Used and Results	MDT facilities recycled metals and used oils in 2018. FPPP updates, training, and inspections include storage areas for both recycled materials and used oil. MDT facilities were inspected monthly in 2018 with one exception: The September FPPP inspection for Aeronautics was not completed due to staff turn-over.	In 2016, MDT Environmental budgeted funds for use in building wash bays at the Great Falls and Billings maintenance facilities. The Great Falls wash bay was completed in 2018. Construction of the Billings facility is expected to take place in 2019. Short-term and long-term facility improvement recommendations have been documented in an annual FPPP review form and shared with maintenance.
Impact On SWMP Effectiveness	Recycling of motor oil as well as unusable or scrap metal reduces potential pollutant discharges while encouraging the proper disposal of these materials.	Minimizes the potential discharge of pollutants into surface waters.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Hazardous Waste Handling BMP-PPGH-08	Material Management BMP-PPGH-09
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Limit the amount and type of hazardous materials on MDT sites, how and where they are stored, and who has access to them.	MDT will continue to stockpile and store materials, such as oils and deicing materials, in a manner to reduce the likelihood of accidental spills or release hazardous materials into the storm water system.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance Staff.	MDT, MS4 Coordinator, DEES, Hazmat section, and Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will continue to ensure that its staff is following the proper procedures when handling and storing hazardous materials, and are well informed of the type and potential dangers associated with each chemical. Material Safety Data Sheets (MSDSs) are available at each facility within the MS4 areas and staff complies with the requirements of the SPCC Plans including monthly site inspections. MDT will evaluate the plans as revised by federal and state regulations. Staff will complete monthly inspection forms. The MS4 Coordinator working with the Hazmat Supervisor, DEES, and FSE will determine if items in the inspection process need to be amended based on data provided in inspection forms. The measurable goal for this BMP will be to maintain MDT’s status of conditionally exempt.	MDT will review existing storage procedures to ensure that they are current and effective. Revisions will be posted and employees will be made aware of the changes. This BMP will be measured by the number of spills that are reported within a permit period as required by the SWPPP and SPCC Plans. The main goal is to eliminate spills and have zero reported spills during the permit period. If a spill is reported within a permit period, corrective actions will be taken to remedy the spill and preventive measures will be put into place to prevent the spills from reoccurring.
Quantitative Indicators Used and Results	In 2018, MDT retained the status of conditionally exempt at MDT facilities in MS4 areas.	In 2018, no spills at MDT facilities in MS4 areas triggered the reporting requirements as outlined in either the FPPP or SPCC.
Impact On SWMP Effectiveness	Limits types and amounts of hazardous materials located at MDT facilities.	These practices are measures that help prevent contaminants from entering the storm water system and consequently pollute surface water.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Storm Drain System Cleaning and Maintenance BMP-PPGH-010	Develop SWPPPs and Updates to SWPPPs BMP-PPGH-11
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Conduct routine system inspections, cleaning, and maintenance of MDT maintenance facilities, yards, and storm water infrastructure within the MDT right of way.	MDT has developed SWPPPs (FPPPs) for MDT facilities within the Small MS4s. MDT will update with necessary amendments.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will continue the current maintenance program and track the number of inspections, cleanings, and repairs conducted at each maintenance facility as well as continue maintenance conducted on MDT's right of way within the MS4 areas. MDT tracks hours and supplies in the Management System for each MS4 area. MDT will clean and provide maintenance to storm water structures as necessary. The need is determined from the inspections taking place as a regular part of the maintenance department employees' job duties. Other forms of notification can be from the public, city or county employees.	MDT will continue to evaluate and update the SWPPPs as conditions change regarding design, construction, operation, or maintenance at the different facilities. The changes will be recorded in the Amendment Record Log included in each SWPPP. In addition, MDT will continue to train its staff to better understand the implications of contaminating storm water and procedures to reduce the potential of contamination. In 2014 MDT will create SWPPPs, implement, and begin monthly inspections for the following locations: MDT Rest Area, Bozeman, Desmet, Missoula, and Aeronautics Division (York Wye), Helena. In addition, MDT staff will complete the monthly SWPPP inspection forms at the currently existing SWPPP locations. SWPPP inspections will be reviewed and analyzed by the MS4 Coordinator annually for the annual report. The forms, addendums, and training will be the measurable goal for this BMP.
Quantitative Indicators Used and Results	MDT conducted FPPP inspections at MDT facilities within MS4 areas throughout the state This BMP will continue to be evaluated in 2019 to determine a better systematic approach to gather and review information.	All MDT facilities within MS4 boundaries have a FPPP, including the new Bozeman Facility that came online in 2016. These facilities were inspected monthly in 2018 with one exception: The September FPPP inspection for Aeronautics, was not completed due to staff turn-over. Additionally, the DEES conducted annual FPPP reviews at facilities located in MS4s. These annual FPPP reviews include a catalog of needed FPPP updates, as well as recommendations for short- and long-term BMP improvements.
Impact On SWMP Effectiveness	Maintain existing MDT system capacity and improve water quality.	Ensure uniform inspections of all MDT facilities within MS4 areas.

Appendix P

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Individual Permit Authorization: MT0031844

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

Appendix P – Planned Activities and Changes During Next Year

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

MDT applied for an MPDES individual MS4 permit in November 2014. To date, this permit has not been issued. Accordingly, one of the main focuses of MDT’s MS4 program is to coordinate with DEQ for issuance of a mutually-acceptable individual MS4 permit. Once this permit is issued, MDT will amend the SWMP and associated BMPs to facilitate compliance with any new permit conditions in the MPDES permit and to further aid in MDT’s continued improvement in environmental performance specifically related to water quality. Opportunities for improvement that are identified below may be further adjusted once the MPDES permit is issued.

SWMP Activity or Component Name	Printed Media BMP-PEO-01	Web Sites and Social Media Sites BMP-PEO-02	Public Events BMP-PEO-03
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.1	II.B.1
Brief Description of Planned SWMP Action Taken	Make printed media available to the public.	Post storm water specific information on MDT online sources including MDT Intranet (for MDT employees), MDT internet (for roadway users), and Facebook (for roadway users).	To reach target audiences by providing or sponsoring presentations in schools and universities, conferences, retirement communities, civic clubs, libraries, businesses, and association meetings.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, Public Info Officer, DEES.	MDT, MS4 Coordinator.	MDT, MS4 Coordinator, Public Info Officer, DEES.
Measurable Goal or Performance Standard Utilized	MDT will track, in a spreadsheet, the printed media types that were generated, the number of brochures, pamphlets, and other printed media distributed as well as the dates and locations where the printed media was handed out. At the end of the permit period, the MS4 Coordinator will compile the information recorded. MDT will distribute 5% more printed educational material than the prior year. A MS4 related article will post once a year in MDT’s Rail, Transit & Planning Division newsletter the ‘Newsline’.	This BMP will be measured by several means. First, the amount of feedback received from the Montana MS4 website, which has a link to allow comments to be emailed to MDT. The MDT MS4 Coordinator will post at least four status updates related to storm water, water quality, and other MS4 issues on the MDT social media site (Facebook) each year. This BMP will be measured by the number of subscribers to the MDT site and by the “likes” and “comments” associated with the posts. This BMP will also be measured by the continued development of the MDT internal MS4 website during the year 2014.	MDT’s Statewide MS4 Coordinator will participate in at least one public event each year to promote the Statewide MDT MS4 Program. In addition, the DEES will attend at least one public event each year to promote the storm water management program efforts in each MS4 area. Events may include storm water conferences, Storm Water Awareness Week, Montana State Fair, local Science Fairs, Earth Day, educational booths and presentations at schools and universities. MDT will track the number of events attended by MDT personnel, the date and location of events, and if possible, the number of event participants. The information will be compiled at the end of the permit period to determine its effectiveness for educating the public.
Opportunity for Improvement	- As noted in previous annual reports and continuing in 2019, MDT is focusing less on printed material and more on social media interactions. MDT is also eliminating the annual ‘Newsline’ articles. -Printed materials are available at MDT headquarters and District Offices throughout the state as well as from the DEES.	-Additional Facebook posts will be developed specific to IDDE and winter maintenance practices. -The intranet page will be updated to include additional storm water resources, including training presentations, results of previous audit reports, catalog of previous Facebook posts, etc.	-MDT is striving for higher efficiency in MS4 outreach and education efforts by streamlining MS4-related messages to audiences that have an impact on MDT stormwater quality in MS4 areas, such MDT staff, contractors, developers, and transient roadway users.

Appendix P – Planned Activities and Changes During Next Year

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Guidance Manuals and Educational Materials BMP-PEO-04.1	Guidance Manuals and Educational Materials BMP-PEO-04.2	Public Forums BMP-PPI-01
Minimum Control Measure Name (If Applicable)	Public Education and Outreach on Storm Water Impacts	Public Education and Outreach on Storm Water Impacts	Public Involvement/ Participation
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.1	II.B.2
Brief Description of Planned SWMP Action Taken	Make a variety of guidance manuals and educational materials accessible through the MDT website.	Work with the MDT Librarian to create a collection of stormwater materials available for education and training.	Provide the public the opportunity to comment on storm water concerns through project public meetings, public notices, NEPA/MEPA process, and corridor study process.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator.	MDT, MS4 Coordinator, DEES, public information personnel.
Measurable Goal or Performance Standard Utilized	In 2014 a link will be added to the Montana MS4 website (http://montanaMS4.com) to take the user to MDT’s guidance and educational manuals. The first measurable goal will be to perform an annual review by the MS4 Coordinator of the internal and external MDT websites to verify that the links to the reference materials are accurate and up to date.	The second measurable goal will be completed by the MS4 Coordinator. This measurable goal is to work with the MDT librarian once per year to review MDT’s educational materials related to storm water. This review will consist of verifying that the materials available at the MDT library are accurate, adequate, and up to date. New materials will then be acquired as needed and allowed by budgetary constraints.	Compliance with NEPA and MEPA is confirmed through audits. The results of these audits will be used to track this BMP throughout the permit period.
Opportunity for Improvement	-MDT will focus efforts on maintaining and updating the MDT MS4 Intranet page, Stormwater Internet page, and Facebook presence.	-MDT will continue progress on this control measure.	- MDT will continue progress on this control measure and will focus on communication through existing electronic media such as the MDT Facebook page.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Clean-up and Volunteer Events BMP-PPI-02	Feedback BMP-PPI-03	Storm Water System Mapping BMP-IDDE-01
Minimum Control Measure Name (If Applicable)	Public Involvement/ Participation	Public Involvement/ Participation	Illicit Discharge Detection and Elimination (IDDE)
General Permit Condition Item Number (If Applicable)	II.B.2	II.B.2	II.B.3
Brief Description of Planned SWMP Action Taken	Adopt-A-Highway is statewide program administered by MDT where volunteers sign a contract to provide clean up services for a section of highway.	The public can provide feedback using several different methods. MDT will address this feedback and incorporate the feedback where appropriate.	A statewide effort to map MDT’s storm water system.
Responsible Agency, Department, or Organization; and Person or Position	MDT, Adopt-A-Highway program manager, MS4 Coordinator.	MDT, MS4 Coordinator, and other MDT Staff as applicable.	MDT, MS4 Coordinator, DEES.
Measurable Goal or Performance Standard Utilized	MDT will continue to offer the Adopt-a-Highway (AAH) program. MDT’s current goal for this BMP is to work with the Adopt-a-Highway program manager to assist in the 2016 launching of new interactive online webpage that allows user to click on an adopted road section to see who adoptee is and how many miles adopted. The AAH compliance tracking will be able to keep track of which sections of roadways by reference posts are adopted, who has adopted them, and how often trash pickup is occurring.	On MDT’s social media sites, the MS4 Coordinator will make at least four announcements per year. MDT will continue to solicit feedback through work group discussions, website comments, phone calls, written e-mails or letters, training evaluations, surveys, public comment periods, and personal interactions. The MS4 Coordinator will use a spreadsheet to keep track of the amount, and type of feedback received. The MS4 Coordinator will evaluate the BMPs progress based on the amount and type of feedback received via available sources. The MS4 Coordinator will use the feedback received to create updates and revisions to the storm water program on an as needed basis to increase the amount of feedback and public interaction received.	The statewide MS4 Coordinator will continue to update each Small MS4 storm water system map on an annual basis and will make the updated maps available in electronic format upon request. These Small MS4 maps will be available online in 2014. MDT will solicit information from cities and counties to ensure that the information is as accurate as possible. MDT will also share new project information with co-permittees upon request. Updates include areas of new development or infrastructure improvements, as well as those areas where new information becomes available during maintenance activities. In addition, MDT will revise the Small MS4 boundaries based on city limit changes and census information on a yearly basis if these two items have changed. This BMP’s success will be based on the Small MS4 maps being updated with new information, and 25% of inlets being mapped in 2014. Over the permit cycle starting in 2015 MDT will collect and map our inlets, open channels, and subsurface conduits/pipes, dry wells, and other similar storm water conveyances.
Opportunity for Improvement	-MDT will review the current AAH tracking to identify any improvements.	-MDT will continue progress on this control measure.	- MDT will continue progress on this control measure. -MDT is focusing on identifying inlets, outlets and other system constituents under MDT control through a term contract begun in 2016 to map all MDT outfalls within each MS4 statewide.

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SWMP Activity or Component Name	Dry Weather Screening BMP-IDDE-02	Storm Water Ordinances BMP-IDDE-03	Public Education on IDDE BMP-IDDE-04
Minimum Control Measure Name (If Applicable)	IDDE	IDDE	IDDE
General Permit Condition Item Number (If Applicable)	II.B.3	II.B.3	II.B.3
Brief Description of Planned SWMP Action Taken	Monitoring of outfalls within the MDT jurisdiction by use of both dry weather screening and visual observation.	MDT will follow local ordinances, statutes, and regulations within the Small MS4s. MDT will notify the proper enforcement authority available in the select Small MS4 that has an existing storm water ordinance in place.	MDT currently provides information on possible illicit and illegal discharges in our printed education material. MDT will continue to provide this information.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, FSE, and Maintenance Staff.	MDT, MS4 Coordinator, DEES, and construction inspectors.	MDT, MS4 Coordinator, and other MDT staff.
Measurable Goal or Performance Standard Utilized	The DEES is responsible for performing the dry weather screening at each outfall once per permit cycle. The information they gather will be used to update both the dry weather screening form along with the tracking spreadsheet in 2014. The IDDE Program protocols will be made available on the MDT website. The number of illicit or illegal discharges reported to the MS4 Coordinator will be analyzed and compared to previous years. MDT will also track the date, the outfall location, the response action, and the outcome of the implementation of such actions. Success of this BMP will be to eliminate 100% of illicit or illegal discharges from MDT operations.	Because MDT does not have legal authority to establish ordinances, it will rely on other governmental bodies to add ordinances and regulation to the existing standards that help eliminate illicit or illegal discharges into state water bodies. For applications within the Small MS4, MDT will continue to list in right of way approach and encroachment permits that applicants are expected to follow local ordinances, which include the city MS4 ordinances. As part of this measurable goal, MDT will follow applicable ordinances, and report non-compliance to the appropriate authorities. MDT will evaluate the local agreements with co-permittees at the end of this permit cycle. In addition, MDT will continue to follow the <i>Escalation Plan</i> spelled out in Management memo 03-01 that will be made available in electronic format on the MDT website in the year 2014.	MDT will track, when possible, the number of calls, emails, or postings on MDT’s social media sites. A reporting spreadsheet will be generated in 2014 by the MS4 Coordinator. Information provided during the reporting will be entered into the spreadsheet. The action taken by MDT resolve the problem will also be included in the spreadsheet. When available MDT will record how the information was acquired. MDT will use this information to evaluate the highest used method of reporting. Reporting methods not being used will be evaluated to determine if changes can be made to improve its effectiveness. The number of reports will determine if having a public reporting system is effective. The results will be presented in each Annual Report. As stated in BMP 3.3.1.2, the MS4 Coordinator will be posting status updates on MDT’s social media (Facebook) page. One of these posts will be related to IDDE.
Opportunity for Improvement	-MDT will update its MS4 dry weather screening form in accordance with the recently issued MS4 general permit requirements.	-MDT will create an Enforcement Response Plan and IDDE Corrective Action Plan in accordance with the recently issued MS4 general permit requirements.	-MDT is striving for higher efficiency in IDDE education efforts by streamlining messages to audiences that have an impact on MDT storm water quality in MS4 areas, such MDT staff, contractors, developers, and transient roadway users.

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SWMP Activity or Component Name	Training BMP-IDDE-05	Construction SWPPP BMP-CSRC-01	MDT Environmental and Construction Oversight BMP-CSRC-02
Minimum Control Measure Name (If Applicable)	IDDE	Construction Site Runoff Control	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.3	II.B.4	II.B.4
Brief Description of Planned SWMP Action Taken	Provide district personnel with IDDE training specific to their job duties.	At construction sites that are required to obtain an MPDES General Permit for Storm Water Discharges associated with Construction Activity, the contractors must prepare a SWPPP.	To provide environmental and construction oversight on MDT projects. To ensure compliance with federal, tribal, state, and local laws.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, PDE.	MDT, DEES, and project personnel.
Measurable Goal or Performance Standard Utilized	This training will be part of the IDDE Training Program and will be performed annually for key personnel. MDT will track the date, location and employees trained each year as part of the IDDE Training Program at each Small MS4. Success will be determined by ensuring up to date training material and employees requesting the training receive the training.	MDT continues to place the special provision in project contracts that require contractors on construction sites equal to or larger than one acre of disturbance, or have potential to discharge into state waterways to adhere to the MPDES General Permit for Storm Water Discharges associated with Construction Activity. The measurable goal for the BMP is that project contracts have the MPDES Special Provision.	This BMP will be measured by the number of inspections conducted during the permit period. In addition, deficiencies will be tracked by project, as well as the actions taken to remedy the issues. The deficiencies and actions will be used as training tools to improve inspection procedures and to train DEES and inspection personnel for future MDT projects. MDT will track the size of project and compliance record of the contractors and subcontractors to evaluate if the environmental plans and specifications are meeting the requirements of the Construction General Permit and protecting the state's water quality. MDT staff will inspect 100% of projects within the Small MS4. The DEES attend, send a designee, or communicate directly with the project manager prior to 100% of the Pre-Construction conferences for construction projects within the Small MS4s.
Opportunity for Improvement	-MDT will provide IDDE training, report and record in the tracking spreadsheet for this control measure.	-MDT has updated the MPDES Special Provision to incorporate the December 2016 BMP Manual into all federal-aid projects. This special provision was included on projects starting in the March 2017 letting.	-MDT will continue progress on this control measure.

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SWMP Activity or Component Name	MDT Information Analysis BMP-CRSC-03	MDT Training BMP-CSRC-04	Internal Project Administration BMP-CSRC-05
Minimum Control Measure Name (If Applicable)	Construction Site Runoff Control	Construction Site Runoff Control	Construction Site Runoff Control
General Permit Condition Item Number (If Applicable)	II.B.4	II.B.4	II.B.4
Brief Description of Planned SWMP Action Taken	Evaluate information gathered to improve awareness, and enhance current programs.	Provide trained staff responsible for the implementation, maintenance, and inspection of the storm water program. MDT personnel will be trained in the selection, implementation, inspection and maintenance of storm water BMPs.	MDT will use contractual agreements to ensure that projects are constructed in a manner that complies with the Clean Water Act.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, PDEs.
Measurable Goal or Performance Standard Utilized	The MS4 Coordinator will attend five workgroup meetings per year. These meetings may be with co-permittees, other water quality groups, or MDT staff to discuss beneficial ways to improve storm water quality. The DEES will attend at least one MDT maintenance section meeting per year for each Small MS4.	The MS4 Coordinator will maintain a log with the dates of MDT training sessions, including the online SWPPP administrator certification. Names of attendees, their departments and their responsibilities will be included on the logs. Feedback provided during the training sessions will also be tracked to improve procedures and guidelines. Data for this log will be provided to the MS4 Coordinator through the DEES at each Small MS4. The DEES will present during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and will provide an opportunity for storm water questions related to design and construction activities.	MDT will include the MS4 special provision in 100% of contracts taking place in a Small MS4. In 100% of the contracts in a Small MS4, MDT will include standard and/or special provisions requiring appropriate storm water pollution prevention and acquisition of necessary permits prior to the commencement of construction activities. The MS4 Coordinator will track projects let to contract each year in Small MS4s, and will ensure appropriate standard and special provisions are included in each of the contract documents.
Opportunity for Improvement	-MDT is no longer a co-permittee. -MDT will evaluate DEES and maintenance staff interactions in each area and identify systematic approach to improvement.	-MDT will discontinue tracking of online SWPPP Administrator certification training for this Minimum Control Measures since it is specific to post-construction only. Instead, an on-line construction-related BMP training was developed in 2018 and will be made available to construction personnel on their new MDTClassrooms website in 2019.	-MDT will evaluate the appropriateness of the above goal and identify ways to make it more meaningful to program performance and improvement.

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SWMP Activity or Component Name	Plan Reviews BMP-PCRC-01	Construction and Post-Construction Site Inspections BMP-PCRC-02	Operation and Maintenance of BMPs BMP-PCRC-03
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT reviewers will verify that applicable federal, tribal, state and local laws and regulations are followed as required by the Small MS4 Program.	MDT construction personnel inspect the features as they are being constructed to ensure that they are constructed according to the contract documents including the plans and specifications.	Evaluate MDT Operation and Maintenance Program to ensure being conducted in an effective manner.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs.	MDT, DEES, Maintenance and construction personnel.	MDT, DEES, Maintenance personnel.
Measurable Goal or Performance Standard Utilized	The measurable goal for this BMP will be for PDEs to review 100% of the plans within the Small MS4s. When applicable the PDEs will recommend to the design team incorporation of PESC/LID structures.	MDT construction personnel will inspect structural (permanent) BMPs on 100% of projects in a Small MS4. Before MDT assumes responsibility for a storm water permit from the Contractor, MDT personnel including the DEES, maintenance personnel, and construction personnel, complete a final project closeout inspection to ensure project BMPs (temporary and permanent) are correctly installed and functioning properly. After the project closeout is complete, the BMP maintenance becomes MDT's responsibility. MDT maintenance personnel perform maintenance on the temporary and permanent BMPs as needed. Items that could be improved during the construction phase will be passed on to construction for consideration in future projects.	Records of the current MDT Operation and Maintenance Program will be reviewed and evaluated to ensure that the O&M of BMPs is being conducted in an effective manner. The evaluation of the Program will be tailored to each MS4 area. Facilities managed by other entities (i.e., county or city) will be their sole responsibility.
Opportunity for Improvement	-MDT will monitor the use of the LID Analysis Process and Form to identify ways to improve it and to promote communication with other MS4s. - When an Individual Permit is issued, MDT will identify changes required to and update the LID form. and PESC Manual.	-MDT will continue to implement its finalization process and document BMP issues in the final walk-through form.	-MDT will continue progress on this control measure. Further refinement and formalization of the Permanent BMP O&M program implementation process will be evaluated. -MDT Environmental will meet with Maintenance to discuss options.

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SWMP Activity or Component Name	Reviewers and Inspectors Training BMP-PCRC-04	Low Impact Development Approach BMP-PCRC-05
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT will provide training and guidance material to its employees on environmental compliance and storm water BMPs.	MDT will attempt to incorporate LID techniques where practicable in MDT projects and at its facilities within the MS4 areas when upgrades to the facilities are implemented and new or redevelopment takes place.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES.	MDT, MS4 Coordinator, PDEs.
Measurable Goal or Performance Standard Utilized	MDT will continue to provide training to its employees on environmental compliance and storm water BMPs. Continued educational programs and specialized training will continue to be made available for individuals involved in the plan review process and for inspection personnel. The MDT-provided training and education programs attended by MDT personnel will be tracked as part of this BMP. Pertinent staff members will attend at least one relevant training session per permit period to develop and expand their skills pertaining to storm water pollution prevention techniques. This training will be available as an online self-review of the PESC guidelines. MDT conducts periodic training on and updates of the PESC Manual as necessary.	For road construction projects in MS4 areas, MDT will evaluate 100% of designs for the potential of incorporating LID techniques. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking. For “state actions” at MDT facilities within Small MS4 areas, MDT will evaluate 100% of designs for appropriateness of incorporating LID techniques. Each proposed project will be reviewed for triggering the requirements for incorporating LID, as practicable. When the requirements are triggered, i.e., a new development or redevelopment project with disturbance greater than or equal to one acre, LID opportunities will be explored. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking. For encroachment and approach permit applications within Small MS4 areas, MDT will evaluate 100% of applications for appropriateness of incorporating LID techniques. Appropriate MS4-related information will be included in the permit issuance correspondence. PDEs will be the lead on this effort and will provide data to the MS4 Coordinator for tracking.
Opportunity for Improvement	- MDT will continue progress on this control measure.	-Continue to enforce the stipulation included in the permit that applicable MS4 requirements must be met, effectively placing the responsibility for the LID applicability analysis on the project proponent

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SWMP Activity or Component Name	Ordinances and Storm Water Design Criteria BMP-PCRC-06	Vegetation Management Program BMP-PCRC-07
Minimum Control Measure Name (If Applicable)	Post-Construction Runoff in New Development and Redevelopment	Post-Construction Runoff in New Development and Redevelopment
General Permit Condition Item Number (If Applicable)	II.B.5	II.B.5
Brief Description of Planned SWMP Action Taken	MDT does not have the authority to write ordinances or requirements for storm water design criteria on non-MDT proposed projects. MDT can and does enforce MDT standards on MDT projects. MDT follows applicable federal, tribal, state and local laws and regulations within the Small MS4s.	Evaluate projects within Small MS4s that have open SWPPP permits for use of federal funds to conduct further revegetation that promotes closure of the SWPPP plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, PDEs, DEES.	MDT, DEES, Botanist.
Measurable Goal or Performance Standard Utilized	MDT will continue to follow federal, tribal, state and local laws and regulation and design standards. MDT will maintain and follow its design criteria for PESC and LID measures or seek formalized design exceptions for 100% of our projects within Small MS4s.	This BMP will be measured by comparing projects within the Small MS4s with open SWPPP permits. A determination will be made if improvement to the control of storm water run-off, and infiltration can be improved with further re-vegetation. The open permit projects and the projects that are closed will be tracked as well as the projects where funding was allocated within the Small MS4s.
Opportunity for Improvement	<ul style="list-style-type: none"> -MDT will continue progress on this control measure. - MDT will monitor the use of the LID Analysis Process and Form to identify any necessary areas of improvement and to promote communication with other MS4s. -When an Individual Permit is issued, MDT will identify changes required to and update the LID form. and PESC Manual. 	-MDT will continue progress on this control measure.

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SWMP Activity or Component Name	Training BMP-PPGH-01.1
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES and possible other Environmental Staff.
Measurable Goal or Performance Standard Utilized	<p>a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance staff performing SWPPP inspections in Small MS4s are in compliance with the CGP and will have Certified SWPPP Administrator training/certification. Records will be kept of personnel who have taken the SWPPP Administrator training and passed the test to become a MDT Certified SWPPP Administrator.</p> <p>b) This BMP will be measured by ensuring that 100% of the Maintenance staff performing site-specific facility SWPPP (FPPP) inspections in Small MS4s has site specific FPPP training. Records will be kept of personnel who have received training on the site-specific FPPP Administrator and inspection procedures.</p> <p>c) The DEES will provide a presentation regarding storm water issues during at least one EPM meeting per year. The presentation will be a discussion of current storm water issues and an opportunity for questions regarding storm water issues related to design and construction activities.</p> <p>d) The DEES will provide a presentation during at least one MDT maintenance section man meeting per year. The presentation will include a discussion of current storm water control issues and an opportunity for questions regarding storm water control related to maintenance activities and facilities.</p>
Opportunity for Improvement	<p>-MDT’s consultant has updated our online SWPPP Administrator training. These updates include changes to the CGP and include a module to address construction requirements, instead of just post-construction. MDT will place both modules on their new MDTClassrooms website for easier accessibility and tracking in 2019.</p> <p>-MDT will continue progress on this control measure.</p>

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SWMP Activity or Component Name	Training BMP-PPGH-01.2	Periodic SWPPP and SPCC Plan Inspections BMP-PPGH-02
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities regarding the implementation of the Statewide SWMP, the Storm Water Pollution Prevention Plans (SWPPP), and the Spill Prevention, Control, and Countermeasure (SPCC) Plans.	MDT will perform site inspections for MDT facilities within the Small MS4s with FPPP and SPCC plans on the time basis documented in the SWMP.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, and possible other Environmental Staff.	MDT, MS4 Coordinator, DEES, Maintenance staff.
Measurable Goal or Performance Standard Utilized	<p>a) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly DCE meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>b) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend at least one quarterly Maintenance Chiefs meeting per year and provide information related to MDT’s overall storm water management program, including MS4 issues.</p> <p>c) As shown in Table 2-1, found in chapter 2, several MDT facilities in MS4 areas fall under the Spill Prevention, Control, and Countermeasure (SPCC) Rule and have SPCC Plans. SPCC training, which includes information related to the MS4 Program, will be offered annually or according to SPCC requirements.</p> <p>d) As shown in Table 2-1 found in chapter 2, MDT is working to develop site-specific Storm Water Pollution Prevention Plans (SWPPP) for MDT facilities within MS4 areas that currently do not have SWPPPs. Training is offered on each site specific SWPPP upon completion of the plan. Additional training will be offered when the plan is amended or on an as needed basis, as necessary. Dates, name, and responsibility of staff members, as well as topics discussed, will be tracked on a spreadsheet as part of this measurable goal.</p>	The DEES and MS4 Coordinator will analyze the FPPP inspection forms on a yearly basis to evaluate opportunities to improve and deal with identified deficiencies. In some cases, funds will have to be secured to improve the current infrastructure and might require several years before the BMP can be fully implemented.
Opportunity for Improvement	<p>-MDT will continue progress on this control measure.</p> <p>-MDT will continue to evaluate the FPPP inspection process as necessary to improve the consistency of inspections and to identify processes and/or structural improvements that will enhance overall environmental performance.</p> <p>-MDT will identify and prioritize structural improvements at MDT facilities.</p> <p>-Tracking will be improved.</p>	<p>-MDT will evaluate the FPPP and SPCC inspection process to improve the consistency of inspections and to identify processes and/or other improvements that will enhance overall environmental performance.</p> <p>-MDT will identify and prioritize structural improvements at MDT facilities.</p>

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SWMP Activity or Component Name	Road and Parking Sweeping BMP-PPGH-03	Road and Parking Area Maintenance BMP-PPGH-04
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Implement a Street Sweeping Program that encompasses the streets and roadways, the maintenance yards and parking areas within its facilities. The street sweeping frequency depends on need and travel volumes. Sweepers also respond to certain types of spills that require clean-up work.	MDT will follow its Roadway / Roadside Maintenance Program to maintain roadways / roadsides for safety, to protect the environment, and to maintain a pleasing aesthetics in a functional manner.
Responsible Agency, Department, or Organization; and Person or Position	MDT, Maintenance Staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT’s goal for the street sweeping program is to sweep 100% of the facilities and MDT maintained roads that are within our permitted Small MS4s a minimum of one time per year.	MDT will evaluate current practices used during maintenance and operational activities to determine if modifications to these practices are warranted to minimize storm water pollutants reaching water ways. The evaluation of BMPs and procedures as well as suggestions will be documented to determine the best course of action to implement improvements as the measurable goal for this BMP. Cost, ease of implementation, and risk and benefit analysis will be taken into account to make recommendations to MDT management.
Opportunity for Improvement	-MDT will continue progress on this control measure. -MDT will evaluate this BMP to identify a systematic approach to gathering and reviewing maintenance information.	-MDT will continue progress on this control measure. -MDT will evaluate this BMP to identify a systematic approach to gathering and reviewing maintenance information. -Meet with Maintenance to discuss BMP options.

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MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Winter Maintenance Program BMP-PPGH-05	Recycling Activities BMP-PPGH-06	Vehicle Washing BMP-PPGH-07
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	MDT will evaluate the Winter Maintenance Program for feasible ways to transition to more environmental friendly methods.	MDT has several recycling programs in place at the maintenance facilities within the Small MS4s. These programs will continue to be offered.	To evaluate the vehicle wash areas and procedures to minimize discharge of pollutants into surface water.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, and Maintenance Chiefs.	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will evaluate the current procedures described in the Winter Maintenance Program and if necessary revise the existing manuals to reduce the potential of pollutants being discharged into the environment and consequently into waterways. The evaluation will be performed during the permit period, and revisions to the manuals will be posted on the MDT intranet. In addition please see section 3.3.6.7 BMP on vehicle washing that describes MDT's current progress on constructing vehicle wash bays, which correlate with achieving the winter maintenance BMP.	MDT will continue to recycle and burn the used oil to heat select MDT facilities. MDT will also continue to recycle scrap and unused metal through the recycling companies throughout the permit period. MDT has created SWPPPs that provide guidelines to help make the storage of the recycled materials storm water runoff safe. MDT will be inspecting the facilities on a monthly basis to ensure the recycled materials are being stored in a manner that protects storm water runoff.	MDT will evaluate each maintenance facility for short term improvements (.e.g., sweeping area at the end of the shift) and long term improvement (i.e. a new wash bay). The short term improvements will be implemented as soon as possible, while the long term improvements will require additional planning and funding. In 2013 MDT completed one long term goal of constructing an updated wash bay at the Missoula MDT maintenance facility capable of appropriately disposing of wash water. MDT currently has funding available to hire a consultant in 2014 to design new wash bays for MDT Maintenance facilities in Butte, Great Falls, Billings, and Bozeman. MDT currently plans to construct the new wash bays in Butte in State fiscal year 2014 and in Great Falls and Bozeman in State fiscal year 2015. Additional short term and long term improvements may be implemented and will be tracked for each facility as a measure of this goal during the permit period.
Opportunity for Improvement	-MDT will continue progress on this control measure.	-MDT will continue progress on this control measure.	-MDT will continue progress on this control measure. -Short-term and long-term facility improvement recommendations are documented in an annual FPPP review form and shared with. -MDT intends to build a washbay for the Billings facility in 2019.

Appendix P – Planned Activities and Changes During Next Year

Section P (page 11) – Additional Information

Individual Permit: MT 00318444 (Covers Administratively Extended Permit Authorizations: MTR040001, 40004, 40002, 40005, 40006, 40007, 40009, and 40010)

Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Hazardous Waste Handling BMP-PPGH-08	Material Management BMP-PPGH-09
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Limit the amount and type of hazardous materials on MDT sites, how and where they are stored, and who has access to them.	MDT will continue to stockpile and store materials, such as oils and deicing materials, in a manner to reduce the likelihood of accidental spills or release hazardous materials into the storm water system.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance Staff.	MDT, MS4 Coordinator, DEES, Hazmat section, and Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will continue to ensure that its staff is following the proper procedures when handling and storing hazardous materials, and are well informed of the type and potential dangers associated with each chemical. Material Safety Data Sheets (MSDSs) are available at each facility within the MS4 areas and staff complies with the requirements of the SPCC Plans including monthly site inspections. MDT will evaluate the plans as revised by federal and state regulations. Staff will complete monthly inspection forms. The MS4 Coordinator working with the Hazmat Supervisor, DEES, and FSE will determine if items in the inspection process need to be amended based on data provided in inspection forms. The measurable goal for this BMP will be to maintain MDT's status of conditionally exempt.	MDT will review existing storage procedures to ensure that they are current and effective. Revisions will be posted and employees will be made aware of the changes. This BMP will be measured by the number of spills that are reported within a permit period as required by the SWPPP and SPCC Plans. The main goal is to eliminate spills and have zero reported spills during the permit period. If a spill is reported within a permit period, corrective actions will be taken to remedy the spill and preventive measures will be put into place to prevent the spills from reoccurring.
Opportunity for Improvement	-MDT will continue progress on this control measure. -MDT will continue to evaluate the FPPP inspection process as necessary to improve the consistency of inspections and to identify processes and/or structural improvements that will enhance overall environmental performance.	-MDT will continue progress on this control measure. - MDT will continue to evaluate the FPPP inspection process as necessary to improve the consistency of inspections and to identify processes and/or structural improvements that will enhance overall environmental performance.

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Montana Department of Transportation

MS4 Areas: Billings, Bozeman, Great Falls, Kalispell, Butte, Missoula, Helena, and Yellowstone County

SWMP Activity or Component Name	Storm Drain System Cleaning and Maintenance BMP-PPGH-010	Develop SWPPPs and Updates to SWPPPs BMP-PPGH-11
Minimum Control Measure Name (If Applicable)	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
General Permit Condition Item Number (If Applicable)	II.B.6	II.B.6
Brief Description of Planned SWMP Action Taken	Conduct routine system inspections, cleaning, and maintenance of MDT maintenance facilities, yards, and storm water infrastructure within the MDT right of way.	MDT has developed SWPPPs for MDT facilities within the Small MS4s. MDT will update as necessary.
Responsible Agency, Department, or Organization; and Person or Position	MDT, MS4 Coordinator, DEES, Maintenance staff.	MDT, MS4 Coordinator, DEES, Maintenance Staff.
Measurable Goal or Performance Standard Utilized	MDT will continue the current maintenance program and track the number of inspections, cleanings, and repairs conducted at each maintenance facility as well as continue maintenance conducted on MDT’s right of way within the MS4 areas. MDT tracks hours and supplies in the Management System for each MS4 area. MDT will clean and provide maintenance to storm water structures as necessary. The need is determined from the inspections taking place as a regular part of the maintenance department employees’ job duties. Other forms of notification can be from the public, city or county employees.	MDT will continue to evaluate and update the SWPPPs as conditions change regarding design, construction, operation, or maintenance at the different facilities. The changes will be recorded in the Amendment Record Log included in each SWPPP. In addition, MDT will continue to train its staff to better understand the implications of contaminating storm water and procedures to reduce the potential of contamination. In 2014 MDT will create SWPPPs, implement, and begin monthly inspections for the following locations: MDT Rest Area, Bozeman, Desmet, Missoula, and Aeronautics Division (York Wye), Helena. In addition, MDT staff will complete the monthly SWPPP inspection forms at the currently existing SWPPP locations. SWPPP inspections will be reviewed and analyzed by the MS4 Coordinator annually for the annual report. The forms, addendums, and training will be the measurable goal for this BMP.
Opportunity for Improvement	-MDT will continue progress on this control measure. - MDT will continue to evaluate the FPPP inspection process as necessary to improve the consistency of inspections and to identify processes and/or structural improvements that will enhance overall environmental performance. -Meet with Maintenance to discuss BMP options.	-MDT will continue progress on this control measure. -MDT will continue to evaluate the FPPP inspection process as necessary to improve the consistency of inspections and to identify processes and/or structural improvements that will enhance overall environmental performance. -MDT will develop a formal FPPP update process, including updates to FPPP inspection templates.