

2701 Prospect PO Box 201001 Helena MT 59620-1001 Greg Gianforte, Governor

Malcolm "Mack" Long, Director

February 26, 2021

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

Subject: 2020 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 co-permittee status for each of the above permits except for MT040009 – Helena, which was 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 the Administrative Rules of Montana 17.30.1313 that our current permit authorizations would be administratively extended until such time your agency issues an 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 permit authorizations. For clarity and efficiency, MDT is submitting a single annual report. MDT's Storm Water Management Plan (SWMP) is applied uniformly statewide in all of Montana's small MS4s. 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.

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. Although MS4 several environmental staff vacancies occurred in 2020, ongoing improvements in support of the MS4 program continued. Of particular note, MDT would like to highlight the following major achievements accomplished this past year:

- Initiation of a formal MS4 Mapping Update Procedure addressing changes to MS4 boundaries and storm water infrastructure, as well as designation of MDT outfalls;
- Research of MDT storm drain, construction and maintenance agreements executed within each MS4;
- Completion of inlet and outfall mapping data collection efforts for the Helena MS4;
- Initiation of inlet mapping data collection efforts for the Butte MS4;

- Development of Plans, Specifications, & Estimate (PS&E) review guidance to ensure inclusion of storm water special provisions in contract documents;
- Development of a formal Facility Pollution Prevention Plan (FPPP) Update and Training procedure;
- Modification of tracking spreadsheets to help identify which projects are occurring in MS4s;
- Initiation of Illicit Discharge Detection and Elimination (IDDE) program improvements, including development of an Enforcement Response Plan and IDDE Corrective Action Plan, as well as updates to the dry weather screening process to better evaluate outcomes;
- Incorporation of IDDE-specific messages into construction and maintenance training presentations; and,
- Review and identification of needed SWMP revisions and updates.

Additionally, MDT is continuing to evaluate potential MS4 program improvements. For 2021, several initiatives have been identified. These initiatives are expected to include the following:

- Development of a Data Management Plan that describes the MS4-related data that is expected to be acquired or generated and how that data will be managed, described, analyzed, and stored;
- Continuation of mapping updates (e.g. outfalls, inlets, other storm water conveyances);
- Revisions to MDT's SWMP and measurable goals;
- Continued IDDE program improvements, including development of a spill reporting form;
- External and internal MS4 website updates;
- Investigation of Permanent Erosion and Sediment Control training opportunities in coordination with MDT Hydraulics and Road Design personnel;
- Coordination with MDT Maintenance personnel regarding potential improvements in tracking permanent BMP maintenance actions;
- Formal updates to existing FPPPs, inspection checklists, and training materials;
- Determination of whether geotechnical stability issues can be resolved for the proposed Billings Maintenance facility wash bay.

Please find attached an original signature copy of the 2020 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.

If you have any questions or concerns, please contact Tom Gocksch at 406.444.9412 or Walt Ludlow at 406.444.9227. 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
Bob Vosen, P.E.	Missoula District Administrator
William Fogarty	Butte District Administrator
Jim Wingerter, P.E.	Great Falls District Administrator
Rod Nelson, P.E.	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
John Schmidt, P.E.	Missoula District Construction Engineer
Geno Liva, P.E.	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
Vacant	Great Falls District Environmental Engineering Specialist
Terrence Callahan	Billings District Environmental Engineering Specialist
Andrew Fletcher	Glendive District Environmental Engineering Specialist
JD Buck	Statewide 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

copy w/ attachments ESB MS4 File

			Agency Use		
Permit No.:				Date Rec'd	Rec'd By
		WATER PRO	ana Department of IRONMENTAL	Quality Reau	
FORM MS4-AR	MPDI	ES Storm V	Vater Small M	[S4 Annual Repo	rt Form
This form is to be General Permit for (MS4). All author calendar year the (postmarked) no authorized under required to comp Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da rized permittees o facility is authoriz later than March 1 one permit author lete this form and gram (SWMP) with is form in order to es, you may inclu	ch permittee or of <i>ischarge Associa</i> r co-permittees zed as required i st following the ization and for of all items on it ex- thin your respect of help with the of ide attachment	co-permittee author ated with Small Mu are required to com in Part IV.I. of the C respective calendar co-permittees with r xclusively for your tive regulated Smal completion of item r s noting the section	ized to discharge storm v nicipal Separate Storm S plete this Annual Repor General Permit and to su year reporting period. I nultiple permit authoriza particular Small MS4 an 1 MS4 area. The Depart responses. If additional n and item number.	water under the Sewer System t Form for each bmit it For co-permittees ations, you are ad Storm Water ment has attached I space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio fort for Calendar Y tion does your MS	n Number for l Year 34 serve?	Facility 2 0 <u>2</u> 0 0 (No Residen	MTR04 0 0 0 1	
Section B - Fac Small MS4 Name Zip Code 59101 Latitude 45.787 Small MS4 Type	ility or Site Infor MDT MS4 - B -59108, 59111-5 7397 : Federal	mation <i>(See ins</i> illings 9112, 59114-5 State 🖌 (tructions.): 5911 County Ye Longitude -1 County City/	ellowstone 08.499947 Town Other D	
Section C - App Contact Person: N Owner or Operate Mailing Address City, State, and Z Phone Number	plicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	perator) Inform Intin a Dept. of Tran 201001 MT 59620 4-0879	mation _{Title} Bure	au Chief - Environmer	ital Services
Section D - Wa 1. Does your M	ter Quality Prior	ities aters listed as in	npaired on the Mon	tana 303(d) List?	🛛 Yes 🔲 No

		_	Agency Use	_	_
Permit No.:				Date Rec'd	Rec'd By
		WATER PR	ana Department of IRONMENTAL	f Quality Reau	
FORM MS4-AR	MPDI	ES Storm V	Vater Small M	84 Annual Repor	rt Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All autho calendar year the (postmarked) no b authorized under required to comple Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da rized permittees of facility is authorize later than March 1 one permit author lete this form and gram (SWMP) with his form in order to es, you may inclu	ch permittee or of ischarge Associa r co-permittees zed as required is st following the ization and for of all items on it en- thin your respect to help with the of ade attachment	co-permittee authoriz ated with Small Mun are required to comp in Part IV.I. of the G respective calendar co-permittees with m xclusively for your p ctive regulated Small completion of item re s noting the section	zed to discharge storm v <i>icipal Separate Storm S</i> olete this Annual Report eneral Permit and to sub year reporting period. F nultiple permit authoriza particular Small MS4 and MS4 area. The Depart esponses. If additional and item number.	vater under the <i>lewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio ort for Calendar Y tion does your MS	n Number for D Year S4 serve?	Facility N $20 \frac{2}{0} \frac{0}{0}$ 0 (No Resident	ATR040_0_0_2_ Population)	
Section B - FacSmall MS4 NameZip Code5971Latitude45.68Small MS4 Type	ility or Site Infor MDT MS4 - Bo 5, 59716, 59719 3873 Federal	mation <i>(See ins</i> zeman), and 59772 State 🔽 (structions.): CountyC Longitude CountyCity/T	Gallatin 111.03194 Fown Other .	
Section C - App Contact Person: N Owner or Operato Mailing Address City, State, and Z Phone Number	Dicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	perator) Infor artin 201001 MT 59620 4-0879	mation _{Title} _Bureau	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior S4 discharge to wa	ities aters listed as in	npaired on the Monta	ana 303(d) List? 🛛 🖂]Yes 🗌 No

			Agency Use		
Permit No.:				Date Rec'd	Rec'd By
		WATER PR	ana Department or VIRONMENTAL	DUALITY REAU	
form MS4-AR	MPDI	ES Storm V	Vater Small M	84 Annual Repor	rt Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All autho calendar year the (postmarked) no l authorized under required to compl Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da brized permittees of facility is authorized later than March 1 one permit author lete this form and gram (SWMP) with his form in order to es, you may inclu	ch permittee or <i>ischarge Associ</i> r co-permittees zed as required st following the ization and for all items on it e thin your respect the help with the ide attachment	co-permittee authorize iated with Small Mun are required to comp in Part IV.I. of the G respective calendar co-permittees with me exclusively for your p ctive regulated Small completion of item re- ts noting the section	zed to discharge storm v <i>icipal Separate Storm S</i> olete this Annual Report eneral Permit and to sub year reporting period. F ultiple permit authoriza articular Small MS4 and MS4 area. The Depart esponses. If additional and item number.	water under the <i>lewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio Fort for Calendar Y tion does your MS	n Number for Year 34 serve?	Facility N $2 0 \frac{2}{2} \frac{0}{2}$ 0 (No Resident	ATR040_0_0_4_ Population)_	
Section B - Fac Small MS4 Name Zip Code 5940 Latitude 47.5 Small MS4 Type	ility or Site Infor MDT MS4 - Gr 1 through 59406 2378 Federal	mation (See in. eat Falls State 🖌	structions.): County Ca Longitude -1 County City/T	ascade 11.30896 Jown Other D	
Section C - App Contact Person: N Owner or Operate Mailing Address City, State, and Z Phone Number	olicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	perator) Infor Intin a Dept. of Trai 201001 MT 59620 44-0879	mation Title Bureau	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior	ities aters listed as ir	mpaired on the Monta	ana 303(d) List?]Yes 🗌 No

		А	gency Use		-
Permit No.:				Date Rec'd	Rec'd By
		WATER PROT	Department of CONMENTAL	DUALITY EAU	
FORM MS4-AR	MPDI	ES Storm Wa	ter Small MS	54 Annual Repor	rt Form
This form is to be <i>General Permit for</i> <i>(MS4)</i> . All author calendar year the r (postmarked) no la authorized under or required to comple Management Prog instructions for the for item response	completed by each or Storm Water Dir rized permittees of facility is authorizater than March 1 one permit author ete this form and gram (SWMP) with is form in order to es, you may inclu	ch permittee or co- scharge Associate r co-permittees are red as required in l st following the res ization and for co- all items on it excl thin your respective help with the com de attachments n	permittee authoriz d with Small Mun. e required to comp Part IV.I. of the Ge spective calendar y permittees with m usively for your p re regulated Small npletion of item re toting the section	ted to discharge storm v <i>icipal Separate Storm S</i> lete this Annual Report eneral Permit and to sub year reporting period. F ultiple permit authoriza articular Small MS4 and MS4 area. The Depart sponses. If additional and item number.	vater under the <i>Sewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Perr MS4 Annual Repo What size populat	nit Authorizatio ort for Calendar Y ion does your MS	n Number for Fac Tear 34 serve?	cility N $2 0 \frac{2}{2} \frac{0}{2}$ 0 (No Resident	1TR040_0_0_5_ Population)	
Section B - Faci Small MS4 Name Zip Code Latitude Small MS4 Type:	lity or Site Infor MDT MS4 - Ka 59901 48.1978 Federal	mation (See instru lispell State 🖌 Cou	County Fla Longitude -11 Longitude City/T	athead 14.3161 own Other D	
Section C - App Contact Person: N Owner or Operato Mailing Address City, State, and Zi Phone Number	licant (Owner/O _{lame} Tom Ma or Montana PO Box ip Code Helena, (406) 44	perator) Informa rtin 201001 MT 59620 4-0879	ntion TitleBureau portation	u Chief - Environment	al Services
Section D - Wat	Ser Quality Prior	ities aters listed as impa	aired on the Monta	una 303(d) List?]Yes 🗌 No

			Agency Use		
Permit No.:				Date Rec'd	Rec'd By
		WATER PRO	INA Department of IRONMENTAL	DUALITY EAU	
FORM MS4-AR	MPDI	ES Storm W	Vater Small MS	54 Annual Repor	•t Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All autho calendar year the (postmarked) no l authorized under required to compl Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da brized permittees of facility is authorized later than March 1 one permit author lete this form and gram (SWMP) with his form in order to es, you may inclu	ch permittee or of <i>ischarge Associa</i> r co-permittees zed as required i st following the ization and for c all items on it ex- thin your respec b help with the c ide attachment	co-permittee authoriz ated with Small Mun. are required to comp n Part IV.I. of the Go respective calendar y co-permittees with m cclusively for your p tive regulated Small completion of item re s noting the section	ed to discharge storm v <i>icipal Separate Storm S</i> lete this Annual Report eneral Permit and to sub year reporting period. F ultiple permit authoriza articular Small MS4 and MS4 area. The Depart sponses. If additional and item number.	vater under the <i>lewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio Fort for Calendar Y tion does your MS	n Number for I Year 34 serve?	Facility N $\begin{array}{c} 2 & 0 \\ 0 \end{array} \begin{array}{c} 0 \\ 0 \end{array} \begin{array}{c} 0 \\ 0 \end{array}$ (No Resident	1TR040_0_0_6_ Population)_	
Section B - Fac Small MS4 Name Zip Code Latitude Small MS4 Type	ility or Site Infor MDT MS4 - Bu 59701 and 597 45.9688 Federal	mation (See ins tte '02 State 🖌 (<i>tructions.):</i> County Sil Longitude -11 County City/T	ver Bow 12.5158 own Other D	
Section C - App Contact Person: N Owner or Operate Mailing Address City, State, and Z Phone Number	olicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	perator) Inform Intin 201001 MT 59620 4-0879	mation _{Title} _Bureau sportation	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior S4 discharge to wa	ities aters listed as in	paired on the Monta	una 303(d) List?]Yes 🗌 No

		_	Agency Use	_	_
Permit No.:				Date Rec'd	Rec'd By
		WATER PRO	na Department of IRONMENTAL	f Quality REAU	
FORM MS4-AR	MPDI	ES Storm W	ater Small M	84 Annual Repor	rt Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All author calendar year the (postmarked) no authorized under required to comp Management Pro instructions for the for item respons	e completed by eac for Storm Water Da prized permittees of facility is authoriz later than March 1 one permit author lete this form and gram (SWMP) with his form in order to the ses, you may inclu	ch permittee or co ischarge Associat r co-permittees a zed as required in st following the r ization and for co all items on it ex- thin your respect b help with the co ide attachments	p-permittee authorize ted with Small Mun re required to comp a Part IV.I. of the G espective calendar p-permittees with m clusively for your p ive regulated Small poppletion of item re- noting the section	zed to discharge storm v <i>icipal Separate Storm S</i> olete this Annual Report eneral Permit and to sub year reporting period. F ultiple permit authoriza articular Small MS4 and MS4 area. The Depart esponses. If additional and item number.	vater under the <i>lewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio port for Calendar Y tion does your MS	n Number for F Year 64 serve?	acility N $2 0 \frac{2}{2} \frac{0}{2}$ 0 (No Resident	ATR040_0_0_7_ Population)	
Section B - Fac Small MS4 Name Zip Code Latitude Small MS4 Type	ility or Site Infor <u>e</u> MDT MS4 - Mi 59802 46.86667 : Federal	mation (See insti ssoula State 🖌 C	<i>ructions.):</i> CountyMiLongitude1 ⁻ ountyCity/T	ssoula 14.0000 Jown Other D	
Section C - App Contact Person: N Owner or Operate Mailing Address City, State, and Z Phone Number	plicant (Owner/O Name Tom Ma or Montana PO Box Zip Code Helena, (406) 44	perator) Inform artin 201001 MT 59620 4-0879	nation Title_Bureau sportation	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior	ities aters listed as im	paired on the Monta	ana 303(d) List?] Yes 🗌 No

			Agency Use		
Permit No.:				Date Rec'd	Rec'd By
		WATER PRO	na Department of IRONMENTAL	f Quality REAU	
FORM MS4-AR	MPDI	ES Storm W	ater Small M	84 Annual Repor	rt Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All autho calendar year the (postmarked) no l authorized under required to compl Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da rized permittees of facility is authorized later than March 1 one permit author lete this form and gram (SWMP) with his form in order to es, you may inclu	ch permittee or c ischarge Associa r co-permittees a zed as required in st following the ization and for c all items on it ex- thin your respect o help with the c ade attachments	to-permittee authorize the with Small Mun are required to composite n Part IV.I. of the Generative calendar respective calendar to-permittees with matched clusively for your p tive regulated Small completion of item responses to the section	zed to discharge storm v <i>icipal Separate Storm S</i> olete this Annual Report eneral Permit and to sub year reporting period. H ultiple permit authoriza articular Small MS4 an MS4 area. The Depart esponses. If additional and item number.	vater under the <i>Sewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio fort for Calendar Y tion does your MS	n Number for F Year 54 serve?	Facility N $\begin{array}{c} 2 & 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	/ITR040_0_0_9_ Population)_	
Section B - Fac Small MS4 Name Zip Code Latitude Small MS4 Type:	ility or Site Infor MDT MS4 - He 59601 & 59602 45.58925 Federal	mation (See inst elena 2 State 🖌 C	<i>tructions.):</i> County Le Longitude -1 ⁻ County City/T	wis and Clark 11.9937 Jown Other	
Section C - App Contact Person: N Owner or Operato Mailing Address City, State, and Z Phone Number	olicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	perator) Inform artin 201001 MT 59620 4-0879	nation _{Title} _Bureau sportation	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior	ities aters listed as im	paired on the Monta	ana 303(d) List?]Yes 🗌 No

			Agency Use		
Permit No.:				Date Rec'd	Rec'd By
		WATER PRO	Ina Department of IRONMENTAL	DUALITY EAU	
FORM MS4-AR	MPDI	ES Storm V	Vater Small MS	54 Annual Repor	rt Form
This form is to be <i>General Permit fo</i> <i>(MS4)</i> . All author calendar year the (postmarked) no authorized under required to comp Management Pro- instructions for the for item respons	e completed by eac br Storm Water Da orized permittees of facility is authorized later than March 1 one permit author lete this form and gram (SWMP) with his form in order to es, you may inclu	ch permittee or o ischarge Associa r co-permittees zed as required i st following the ization and for o all items on it ex- thin your respec o help with the o ade attachment	co-permittee authoriz ated with Small Mun. are required to comp in Part IV.I. of the Go respective calendar y co-permittees with m xclusively for your p tive regulated Small completion of item re s noting the section	ed to discharge storm v <i>icipal Separate Storm S</i> lete this Annual Report eneral Permit and to sub year reporting period. F ultiple permit authoriza articular Small MS4 and MS4 area. The Depart sponses. If additional and item number.	water under the <i>lewer System</i> Form for each omit it For co-permittees tions, you are d Storm Water ment has attached space is needed
Section A - Per MS4 Annual Rep What size popula	mit Authorizatio oort for Calendar Y tion does your MS	n Number for l Year 54 serve?	Facility N $\begin{array}{c} 2 & 0 \\ 0 \end{array} \begin{array}{c} 0 \\ 0 \end{array} \begin{array}{c} 0 \\ 0 \end{array}$ (No Resident	1TR040_0_1_0_ Population)	
Section B - Fac Small MS4 Name Zip Code 59101 Latitude 45.82 Small MS4 Type	ility or Site Infor MDT MS4 - Ye -59108, 59111-5 1742 : Federal	mation (See ins ellowstone Cou 59112, 59114-5 State 🖌 (tructions.): unty 5911_County Ye Longitude10 CountyCity/T	llowstone 08.414288 own Other D	
Section C - App Contact Person: N Owner or Operate Mailing Address City, State, and Z Phone Number	plicant (Owner/O Name Tom Ma or Montana PO Box Cip Code Helena, (406) 44	Operator) Inform artin 2 Dept. of Tran 201001 MT 59620 4-0879	mation _{Title} _Bureau isportation	u Chief - Environment	al Services
Section D - Wa 1. Does your M	ter Quality Prior	ities aters listed as in	npaired on the Monta	una 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 assign	is WLA to
			MS ²	$\frac{1}{-1}$
[^] See Appendix D [^]	^^See Appendix D^^	<u> </u>	<u> </u>	✓ No
		∐ Yes ⊿ No		<u>⊿ No</u>
		∐ Yes ⊿ No		<u>⊿ No</u>
		∐ Yes ∠ No		<u>⊿ No</u>
		Yes No		✓ No
		<u> </u>	<u> </u>	<u>⊿</u> No
		<u> </u>	<u> </u>	<u>⊿</u> No
		⊥ Yes ∠ No	⊥ Y es	✓ NO
 What specific sources con Program? See Appendix L, Section D.3 re 	tributing to the impairment(s) are garding specific sources targeted.	e you targeting in your	Storm Water Ma	anagemen
. Do you discharge to any "	high-quality waters" (as defined	in 75-5-103, MCA)?	🗹 Yes	🗆 No
. Are you implementing ad- integrity?	ditional specific provisions to ens	sure their continued	✓ Yes	□ No
If yes, what are they?				
MDT contractors are contract	ually obligated to follow all applicabl	e water quality protection	laws.	
ection E - Public Education	on and Public Participation	ints and sources of those		
ection E - Public Education . Is your public education p pollutants? 2. If yes, what are the specif	on and Public Participation rogram targeting specific polluta	nts and sources of those	e ✓ Yes ucation program	No □?
 Section E - Public Education Is your public education p pollutants? 2. If yes, what are the specif Litter, vehicle fluid leaks, salt/ 	on and Public Participation program targeting specific polluta ic sources and/or pollutants addres sediment from sanding operations, a	ints and sources of those essed by your public ed and sediment from MDT of	e ✓ Yes ucation program construction proje	□ No 1? ects.
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salte Note specific successful o publications) fully or part We currently do not have qua 	on and Public Participation program targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, a <u>utcome(s)</u> (e.g., quantified reduc ially attributable to your public en ntified outcomes.	ints and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin	e Ves ucation program construction proje o Not List tasks, g this reporting	□ No n? ects. , events, period.
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful o publications) fully or part We currently do not have quated on the specific stakeholders that provides 	on and Public Participation rogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, a <u>utcome(s)</u> (e.g., quantified reduc ially attributable to your public ed ntified outcomes. committee or other body compris regular input on your SWMP?	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin	e	□ No n? ects. period. ☑ No
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt Note specific successful o publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides 	on and Public Participation program targeting specific polluta ic sources and/or pollutants address sediment from sanding operations, a <u>utcome(s)</u> (e.g., quantified reduction ially attributable to your public equilibric equil	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I	e Ucation program construction project o Not List tasks, g this reporting her □ Yes E.4 for additional	□ No n? ects. , events, period. ☑ No information
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful on publications) fully or part We currently do not have quated and the second state of the second state	on and Public Participation program targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>utcome(s)</u> (e.g., quantified reduc ially attributable to your public en- ntified outcomes. committee or other body comprise regular input on your SWMP?	ints and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I	e Ucation program construction project o Not List tasks, g this reporting her □ Yes E.4 for additional	□ No n? ects. , events, period. ☑ No information
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salter Note specific successful o publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance 	on and Public Participation rogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>utcome(s)</u> (e.g., quantified reduc ially attributable to your public ed ntified outcomes. committee or other body compris regular input on your SWMP?	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating:	e Use of the program of the progr	□ No n? ects. , events, period. ☑ No information
 ection E - Public Education pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful opublications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor 	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>sutcome(s)</u> (e.g., quantified reduc ially attributable to your public en- ntified outcomes. committee or other body compris regular input on your SWMP? e or other regulatory mechanism itrol requirements?	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating:	e Ucation program construction projectory o Not List tasks, g this reporting her □ Yes E.4 for additional	□ No n? ects. , events, period. ☑ No informatio
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful op publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste 	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>outcome(s)</u> (e.g., quantified reduc ially attributable to your public equitient ntified outcomes. committee or other body comprise regular input on your SWMP? e or other regulatory mechanism trol requirements?	ints and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating:	e yes ucation program construction proje o Not List tasks, g this reporting ner □ Yes E.4 for additional ✓ Yes ailed ✓ Yes	□ No 1? ects. events, period. □ No informatio □ No □ No
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt Note specific successful o publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste 	on and Public Participation rogram targeting specific polluta ic sources and/or pollutants addred sediment from sanding operations, <u>sutcome(s)</u> (e.g., quantified reduc ially attributable to your public en- ntified outcomes. committee or other body compris regular input on your SWMP? e or other regulatory mechanism trol requirements? control requirements?	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating: See Appendix L, Section F.1 for det information.	e ucation program construction proje o Not List tasks, g this reporting ner ☐ Yes E.4 for additional	□ No n? ects. , events, period. ⊡ No informatio
ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful of publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste Requirement to submit cor	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>sediment from sanding operations</u> , <u>sediment from sanding </u>	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating: See Appendix L, Section F.1 for det information.	e I Yes ucation program construction proje o Not List tasks, g this reporting her I Yes E.4 for additional I Yes ailed I Yes I Yes I Yes	□ No n? ects. events, period. ☑ No informatio
 ection E - Public Education Is your public education p pollutants? If yes, what are the specific Litter, vehicle fluid leaks, salty Note specific successful op publications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste Requirement to submit con MS4 enforcement authorities 	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, <u>outcome(s)</u> (e.g., quantified reduc ially attributable to your public en- ntified outcomes. committee or other body comprise regular input on your SWMP? e or other regulatory mechanism ntrol requirements? control requirements? onstruction plans for review? ty?	ints and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating: See Appendix L, Section F.1 for det information.	e vertian program construction projectory o Not List tasks, g this reporting ner E.4 for additional ✓ Yes ailed ✓ Yes ✓ Yes ✓ Yes ✓ Yes ✓ Yes	□ No 1? ects. events, period. ☑ No information □ No □ No □ No □ No
 ection E - Public Education Is your public education prollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful opublications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste Requirement to submit com MS4 enforcement authorities Do you have written procession 	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addred is sediment from sanding operations, a <u>sediment from sanding operations</u> , a <u>sedim from sanding operations</u> , a <u>sediment from sanding operations</u> ,	ants and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating: See Appendix L, Section F.1 for det information.	e ucation program construction proje o Not List tasks, g this reporting ner E.4 for additional	□ No n? ects. , events, period. ☑ No informatio
 ection E - Public Education Is your public education ppollutants? If yes, what are the specific Litter, vehicle fluid leaks, salt/ Note specific successful opublications) fully or part We currently do not have qua Do you have an advisory stakeholders that provides ection F - Construction Do you have an ordinance Erosion and sediment cor Other construction waste Requirement to submit cor MS4 enforcement authors Do you have written proce Reviewing construction processing con	on and Public Participation orogram targeting specific polluta ic sources and/or pollutants addre sediment from sanding operations, a <u>cutcome(s)</u> (e.g., quantified reduc ially attributable to your public en- ntified outcomes. committee or other body comprise regular input on your SWMP? e or other regulatory mechanism trol requirements? control requirements? onstruction plans for review? ty? edures for: lans?	Ints and sources of those essed by your public ed and sediment from MDT of tion in fertilizer use; Do ducation program durin sed of the public and oth See Appendix L, Section I stipulating: See Appendix L, Section F.1 for det information.	e Ves ucation program construction proje o Not List tasks, g this reporting ner Ves E.4 for additional v Yes ailed Ves v Yes v Yes v Yes v Yes	□ No 1? ects. , events, period. □ No informatic □ No □ No □ No □ No □ No

information.

🗆 No

☑ Yes

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. See Appendix L, F.3							
4.	4. How many of the sites identified in F.3. did you inspect during this reporting period? See Appendix L, F.4						
5. S	 Describe, on average, the frequency with which your SWMP conducts construction site inspections. See Appendix L, Section F.5 						
6.	Do you pri	oritize certain construction	n sites for more fre	equent inspections?	✓ Yes	🗆 No	
S	If yes, based on what criteria? See Appendix L, Section F.6						
7.	7. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:						
	□ Yes	Notice of violation	#0 (zero)	No Authority 🗹			
	□ Yes	Administrative fines	#0 (zero)	No Authority 🗹			
	□ Yes	Stop Work Orders	#0 (zero)	No Authority			
	\Box Yes	Civil penalties	#0 (zero)	No Authority 🔽			
	<u> </u>	Criminal actions	#0 (zero)	No Authority 🔽			
	☐ Yes	Administrative orders	#0 (zero)	No Authority 🗹			
	✓ Yes	Other Contract Enforce	#0 (Zero)				
9. <u>N</u> 10.	 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						
Sec 1.	tion G - Il Have you	llicit Discharge Eliminati	on tfalls and receiving	g waters of your storm sewer	☑ Yes	🗆 No	
2.	Have you	completed a map of all sto	rm drain pipes and	d other conveyances in the	□ Yes	☑ No	
2	Identify th	a number of outfalls in you	ur starma savuar sv	stom See Appendix L. G.3.			
3.	Number of	Appendix	LG3	stelli Appendix _, etc.	- endix IG3		
		i iviajoi outialis <u>Appondix</u>	<u> </u>			_	
	Are these 1	numbers estimated or mea	sured? Measured		_ Ves	□ No	
4.	Do you ha	ve documented procedures	s, including freque	ency, for screening outfalls?	ndix L. Section	1 G.4.	
5.	Of the outh period? S	falls identified in G.3., how ee Appendix L, G.5.	w many were scree	ened for dry weather discnarge	s during this	reporting	
6.	Of the out you obtain	falls identified in G.3., how ed MS4 permit coverage?	w many have been All of them	screened for dry weather disch	harges at any	time since	
7. Т	What is yo size/type. The DEES pe	our frequency for screening	g outfalls for illicit at each outfall once	t discharges? Describe any var	iation based	on VMP.	

8.	Do you have an ordinance or other regulatory mechanism that effectively prohibitsillicit discharges?See Appendix L, Section G.8 for detailed information.	□ Yes	🗹 No
9.	Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges?	□ Yes	☑ No
10	See Appendix L, Section G.9 for	detailed info	ormation.
10	5 - See App. O-9 & O-10	covered?	
11	. Of those illicit discharges/illegal connections that have been discovered or reported, how reliminated? 2	many have	been
12	. How often do municipal employees receive training on the illicit discharge program? Training is to be performed annually for key personnel.		
Sec	ction H - Storm Water Management for Municipal Operations		
1.	Have storm water pollution prevention plans (or an equivalent plan) been developed for:		
	All public parks, ball fields, other recreational facilities and other open spaces?	□ Yes	☑ No
	All municipal construction activities, including those disturbing less than 1 acre?	☑ Yes	🗆 No
	All municipal turf grass/landscape management activities?	□ Yes	🗹 No
	All municipal vehicle fueling, operation and maintenance activities?	✓ Yes	🗆 No
	All municipal maintenance yards?	☑ Yes	🗆 No
	All municipal waste handling and disposal areas?	□ Yes	🗹 No
Ot	her MDT is not a municipality. Items checked 'no' are not under MDT jurisdiction. See Appendix L, H.1	for more inf	ō.
2.	Are storm water inspections conducted at these facilities?	⊡ Yes	— □ No
3.	If yes, at what frequency are inspections conducted? MDT facilities are inspected month	ly per FPPP	
4.	List activities for which operating procedures or management practices specific to storm where been developed (e.g., road repairs, catch basin cleaning).	vater mana	gement
	Please see Appendix L, Section 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	☑ Yes	🗆 No
	See Appendix L, Section H.7 for detailed information.		
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 with updates as	needed.	

Section	n I - Long-term (Post-Construction) Storm Water Measures	See Annendix I		
1. Do	o you have an ordinance or other regulatory mechanism to require:	Section I.1 for detail information.	ed	
Si	ite plan reviews for storm water/water quality of all new and re-develop	oment	✓ Yes	🗆 No
pr Lo Ro	ong-term operation and maintenance of storm water management contr etrofitting to incorporate long-term storm water management controls?	rols?	✓ Yes ✓ Yes	□ No □ No
2. If MDT	you have retrofit requirements, what are the circumstances/criteria? Γ requirements are specified in the Permanent Erosion and Sediment Control	Manual (PESC Man	ual).	
3. W all All p	That are your criteria for determining which new/re-development storm I projects, projects disturbing greater than one acre, etc.) projects under MDT jurisdiction within a MS4 area are reviewed.	water plans you w	ill review	(e.g.,
4. Do eit de	o you require water quality or quantity design standards or performance ther directly or by reference to a Montana or other standard, be met for evelopment and re-development?	e standards, new	☑ Yes	□ No
5. Do	o these performance or design standards require that pre-development l	nydrology be met f	or:	
Fl	low volumes?		□ Yes	🖌 No
Pe	eak discharge rates?		✓ Yes	🗆 No
D	ischarge frequency?		✓ Yes	🗆 No
Fl	low duration?		□ Yes	☑ No
6. Pl fo Hydi	ease provide the URL/reference where all post-construction storm wate und. raulics, PESC, and Maintenance Manuals (http://www.mdt.mt.gov/publication	er management star s/manuals.shtml)	ndards car	ı be
7. Ho as	ow many development and redevelopment project plans were reviewed sess impacts to water quality and receiving stream protection? 100%	during the reporting - See Appendix L, I	ng period .7	to
8. Ho	ow many of the plans identified in I.7. were approved? 100% - See A	Appendix L, I.8		
9. Ho the	ow many privately owned permanent storm water management practice e reporting period? <u>N/A - Not within MDT authority</u>	es/facilities were in	spected d	uring
10. Ho N/	ow many of the practices/facilities identified in I.9. were found to have	inadequate mainte	mance?	
11. Ho ins	ow long do you give operators to remedy any operation and maintenan- spections?	ce deficiencies ider	ntified dur	ring
Defi	ciencies are to be corrected as soon as practicable considering pertinent fact	ors, such as safety.		
12. Do ma	o you have authority to take enforcement action for failure to properly aintain storm water practices/facilities?	operate and	✓ Yes	□ No
If	yes, what authority?			
Plea	ase see Appendix L, Section I.12.			
13. Ho ad	ow many formal enforcement actions (i.e., more than a verbal or writte lequately operate and/or maintain storm water management practices?	n warning) were ta 0 (zero)	ken for fa	ilure to

14.	Do you use an electronic tool (e.g., construction BMPs inspections and	GIS, database, spread	adsheet) to	track post-	✓ Yes □ No	
15.	Do all municipal departments and/o	r staff (as relevant)	have acces	s to this tracking	✓ Yes □ No	
16.	How often do municipal employees	receive training on	the post-co	onstruction program?	As Needed	
Sec	tion J - Storm Water Manageme	nt Program Resour	ces			
1.	What was the annual expenditure to MS4 specific budget not tracked	ee Appendix L, Sectio	rmit requir n J.1	rements this reporting	period?	
2.	What is next year's budget for impl	ementing the require	ements of y	your MS4 MPDES per	mit? Undetermined	
3.	This year what is/are your source(s) percentage) derived from each?) of funding for the N	MS4 SWM	P, and annual revenue	(amount or	
	Source: MDT Maintenance Budgets	s Bureau Buuger		Amount \$	OR %	
	Source. State and federal dellars for k	highway daalan and a	potruction	Amount \$	OR %	
		lighway design and co		Amount \$	OR %	
4.	How many FTEs does your municip implementing the Storm Water Man responsibilities)?	pality devote to the S nagement Program; 1	Storm Wate not munici	er Management Progra pal employees with ot	am (specifically for her primary	
5	Do you share Storm Water Manage	L, Section J.4 ment Program imple	mentation	responsibilities	— X X — XX	
5.	with any other entities?	ment i rogram impre		responsionnes	∐ Yes ⊻ No	
Ent N/A	ity Activity/	Task/Responsibility	Y	our Oversight/Account	ntability Mechanism	
. <u> </u>						
Sec	tion K - Evaluating/Measuring P	rogress				
 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. Began Tracking 						
Ind	licator	(year)	Frequenc	ÿ	Locations	
	<u> </u>					
2.	What environmental quality trends Management Program? Reports or s they may be found on the Web.	have you documente summaries can be at	ed over the tached elec	duration of your Storr etronically, or provide	m Water the URL to where	

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.	*: S	*Please see upplementa	Appendix I informatio	N for n. **	
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.					

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	**Ple supp	ase see Appe lemental inforr	ndix O for mation. **	
Applicable)				
Brief Description of Planned SWMP Action Taken				
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)	MDT has appli and associated accordance wit Individual Pern **Please see A	ed for a Individ d BMPs will be th the requiren nit. Appendix P for	lual Permit; MI evaluated/upd nents as listed additional info	DT's SWMP lated in in the **
General Permit Condition Item Number (If Applicable)				
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)	C. Phone No.			
Chief - Environmental Services Bureau	(406) 444-0879			
D. Signature REVIEWED/AUTHORIZED	E. Date Signed			
By Tom Martin at 2:23 pm, Feb 26, 2021				
The Department will not process this form until all of the requested information is supplied	ed. Return this form to:			
Department of Environmental Quality				
Water Protection Bureau				
PO Box 200901				
Helena, MT 59620-0901				
(406) 444-3080				

APPENDIX D

WATER QUALITY PRIORITIES

The Montana Department of Environmental Quality's (MDEQ) Clean Water Act Information Center (CWAIC) was accessed on January 29, 2021, in order to verify impaired water(s) and associated impairment(s) within each Municipal Separate Storm Sewer System (MS4). The CWAIC mapping features and detailed water quality summaries were used to verify impaired waters within the MS4 boundaries as identified in Montana Department of Transportation's (MDT) MS4 maps. Approved Total Maximum Daily Load (TMDL) documents, as well as MDEQ's 2017 *General Permit for Storm Water Discharges Associated with Small Municipal Separate Storm Sewer Systems* (MDEQ, 2017), were also accessed to verify Waste Load Allocations (WLA) for each MS4. The following tables outline the findings specific to each MDT Permit Authorization.

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL ¹	TMDL Assigned WLA to MS4
Canyon Creek (MT43F002_021)	Yes	Flow regime modification	N/A	N/A
		Arsenic	No	TBD
		Benthic Macroinvertebrates	No	TBD
		Dissolved Oxygen	No	TBD
Vallowstopa Divar		Algae	N/A	N/A
(MT43F001_010)	Yes Eutrophication Oil and Grease Periphyton (Aufwuchs) In Bioassessments Sediment	Eutrophication	No	TBD
(Oil and Grease	No	TBD
		Periphyton (Aufwuchs) Indicator Bioassessments	No	TBD
		Sediment	No	TBD
		Cause Unknown	N/A	N/A
		Chlorophyll-a	N/A	N/A
Vallowstopa Divar		Nitrate/Nitrite (Nitrite + Nitrate as N)	No	TBD
	Yes	Oil and Grease	No	TBD
(1011451001_011)		Other anthropogenic substrate alterations	N/A	N/A
		Physical substrate habitat alterations	N/A	N/A

MDT Permit Authorization: MTR040001 Billings MS4

N/A = Not Applicable

¹ Yellowstone Watershed is listed as a MDEQ priority area scheduled for TMDL completion after 2022.

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL	TMDL Assigned WLA to MS4 ²
Bridger Creek	No	Chlorophyll-a	N/A	N/A
(MT41H003_110)	NO	Nitrate/Nitrite (Nitrite + Nitrate as N)	Yes	Yes*
		Algae	N/A	N/A
Bear Creek	No	Alteration in stream-side or littoral vegetative covers	N/A	Yes* N/A N/A Yes* Yes* Yes* Yes*
(WI141H003_081)	Phosphorus (Total) Sedimentation-Siltation	Phosphorus (Total)	Yes	Yes*
		Sedimentation-Siltation	Yes	Yes**
East Gallatin River	Yes	Nitrogen (Total)	Yes	Yes*
(MT41H003_010)		Phosphorus (Total)	Yes	Yes*
Mandeville Creek	Yes	Nitrogen (Total)	Yes	Yes*
(MT41H003_021)		Phosphorus (Total)	Yes	Yes*
		Alteration in stream-side or littoral vegetative covers	N/A	N/A
Sourdough		Chlorophyll-a	N/A	N/A
(Bozeman Creek)	Yes	Escherichia coli	Yes	Yes*
(W1141H003_040)		Nitrogen (Total)	Yes	Yes*
		Sedimentation-Siltation	Yes	Yes**

МОТ	Permit	Authorization.	MTR040002	Bozeman	MSA
	remit	Authonization.	11111040002	DUZEIIIaii	11134

*The MS4s were assigned a WLA of 0 pounds per day (lbs/day) when the storm water system is not activated. When the storm water system is activated, MDEQ assumes the WLAs are met by adhering to the permit requirements and using monitoring as an adaptive management approach to minimize pollutant loads (MDEQ, 2017).

**Percent reduction allocations were developed for the MS4s. MDEQ assumes adhering to permit Best Management Practices (BMPs) and other requirements equates to meeting the WLAs (MDEQ, 2017).

N/A = Not Applicable

² Per MDEQ's 2017 *General Permit for Storm Water Discharges Associated with Small Municipal Separate Storm Sewer Systems* (MDEQ, 2017), WLAs apply to all MS4s that were co-permittees at the time of the *Lower Gallatin Planning Area TMDLs and Framework Water Quality Improvement Plan* (MDEQ, 2013) development; therefore, WLAs are aggregated and not individually assigned to each MS4.

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL ³	TMDL Assigned WLA to MS4
		Chromium (total)	No	TBD
		Mercury	No	TBD
Missouri Pivor		Physical substrate habitat alterations	N/A	N/A
(MT410001 011)	Yes	Polychlorinated biphenyls	No	TBD
(1011410001_011)		Sedimentation-Siltation	No	TBD
		Selenium	No	TBD
		Turbidity	No	TBD
Missouri River (MT41Q001_022)	Yes	Sedimentation-Siltation	No	TBD
	No	Lead	No	TBD
Sand Coulee Creek		Salinity	No	TBD
(101141Q002_040)		Zinc	No	TBD
		Nitrogen (Total)	Yes	No
Cure Diver		Flow regime modification	N/A	N/A
Sun River	Yes	Phosphorus (Total)	Yes	No*
(101141K001_020)		Sedimentation-Siltation	Yes	No
		Total Suspended Solids (TSS)	Yes	No

MDT Permit Authorization: MTR040004 Great Falls MS4

*Although no MS4 WLAs were developed for the Lower Sun River, to meet the intent of the TMDL goals and future recommendations, Great Falls MS4 must follow their permit requirements, evaluate potential impacts to impaired receiving waters, and utilize monitoring to implement an adaptive management approach to minimize pollutant loads (MDEQ, 2017).

N/A = Not Applicable

³ Missouri River – Three Forks to Marias Watershed is listed as a MDEQ priority area scheduled for TMDL completion after 2022.

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL	TMDL Assigned WLA to MS4
		Flow regime modification	N/A	N/A
Middle Achley Creek		Nitrogen (Total)	Yes	Yes*
	Yes	Phosphorus (Total)	Yes	Yes*
(1011700002_020)		Sedimentation-Siltation	Yes	Yes*
		Temperature	Yes	No**
		Alteration in stream-side or littoral vegetative covers	N/A	N/A
		Chlorophyll-a	N/A	N/A
Lower Ashley Creek	Yes	Nitrate-Nitrite (Nitrite + Nitrate as N)	Yes	No
(MT76O002_030)		Nitrogen (Total)	Yes	Yes*
		Dissolved Oxygen	Yes	No
		Phosphorus (Total)	Yes	Yes*
		Sedimentation-Siltation	Yes	Yes*
		Temperature	Yes	No**
		Alteration in stream-side or littoral	N/A	N/A
Spring Creek (MT76O002_040)	Yes	Arsenic	No	TBD
		Nitrate-Nitrite (Nitrite + Nitrate as N)	Yes	No
		Nitrogen (Total)	Yes	Yes*
		Flow Regime Modification	N/A	N/A
		Dissolved Oxygen	Yes	No
		Phosphorus (Total)	Yes	Yes*
		Physical substrate habitat alterations	N/A	N/A
Stillwater River	Yes	Alteration in stream-side or littoral vegetative covers	N/A	N/A
(1011762001_010)		Sedimentation-Siltation	Yes	Yes*

MDT Permit Authorization: MTR040005 Kalispell MS4

*Percent reduction allocations were developed for the City of Kalispell MS4. MDEQ assumes adhering to permit BMPs and other requirements equates to meeting the WLAs (MDEQ, 2017).

**Although no MS4 WLAs were developed for Ashley Creek, to meet the intent of the TMDL goals and future recommendations, City of Kalispell MS4 must follow the minimum control measures provided in the MPDES permit authorization for permit MTR04005, or any subsequent permit renewals (MDEQ, 2014).

N/A = Not Applicable

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL	TMDL Assigned WLA to MS4
		Arsenic	Yes	Yes*
	Yes	Cadmium	Yes	Yes*
Silver Bow Creek* (MT76G003_020)		Copper	Yes	Yes*
		Lead	Yes	Yes*
		Mercury	Yes	Yes*
		Nitrate	Yes	No
		Nitrogen (Total)	Yes	Yes**
		Phosphorus (Total)	Yes	Yes**
		Physical substrate habitat alterations	N/A	N/A
		Sedimentation-Siltation	Yes	Yes***
		Zinc	Yes	Yes*

MDT Permit Authorization: MTR040006 Butte MS4

*The WLAs in lbs/day were assigned to the Butte-Silver Bow MS4. MDEQ assumes adhering to permit BMPs and other requirements equates to meeting the WLAs (MDEQ, 2017).

** The Butte-Silver Bow MS4 was assigned a WLA of 0 lbs/day when the storm water system is not activated. When the storm water system is activated, MDEQ assumes the WLAs are met by adhering to the permit requirements and using monitoring as an adaptive management approach to minimize pollutant loads (MDEQ, 2017).

***Percent reduction allocations were developed for the Butte-Silver Bow MS4. MDEQ assumes adhering to permit BMPs and other requirements equates to meeting the WLAs (MDEQ, 2017).

N/A = Not Applicable

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL	TMDL Assigned WLA to MS4
Bitterroot River		Alteration in stream-side or littoral vegetative covers	N/A	N/A
(MT76H001_030)	res	Lead	Yes	No
		Temperature	Yes	No
		Alteration in stream-side or littoral vegetative covers	N/A	N/A
		Arsenic	Yes	No
		Cadmium	Yes	No
		Chlorophyll-a	N/A	N/A
Clark Fork River	No	Copper	Yes	No
(MT76E001_010)	NO	Iron	Yes	No
		Lead	Yes	No
		Mercury	Yes	No
		Nitrogen (Total)	Yes	No
		Phosphorus (Total)	Yes	No
		Zinc	Yes	No
	Yes	Chlorophyll-a	Yes	No
		Copper	Yes	Yes*
		Iron	Yes	Yes*
(NATZEN4001 020)		Lead	Yes	Yes*
(M1760001_020)		Nitrogen (Total)	Yes	No
		Organic Enrichment	Yes	No
		Phosphorus (Total)	Yes	No
		Arsenic	Yes	Yes*
	Yes	Cadmium	Yes	Yes*
Clark Fark Diver		Copper	Yes	Yes*
		Iron	Yes	Yes*
(10117010001_030)		Lead	Yes	Yes*
		Eutrophication	Yes	Yes*
		Zinc	Yes	Yes*
	Yes	Alteration in stream-side or littoral vegetative covers	N/A	N/A
		Algae	N/A	N/A
Grant Creek		Flow regime modification	N/A	N/A
(MT76M002_130)		Nitrate/Nitrite (Nitrite + Nitrate as N)	Yes	Yes*
		Nitrogen (Total)	Yes	Yes*
		Sedimentation-Siltation	Yes	Yes*
		Temperature	Yes	Yes

MDT Permit Authorization: MTR040007 Missoula MS4

*Percent reduction allocations were assigned to the Missoula MS4. MDEQ assumes adhering to permit BMPs and other requirements equates to meeting the WLAs (MDEQ, 2017).

N/A = Not Applicable

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL	TMDL Assigned WLA to MS4
		Alteration in stream-side or littoral vegetative covers	N/A	N/A
		Ammonia (Un-ionized)	No	TBD
		Arsenic	Yes	No
		Cadmium	Yes	No
Driekhy Deer Creek		Copper	Yes	No
	Voc	Lead	Yes	No
(1011411000_050)	res	Flow regime modifications	N/A	N/A
		Nitrogen (Total)	Yes	No*
		Phosphorus (Total)	Yes	No*
		Physical substrate habitat alterations	N/A	N/A
		Sedimentation-Siltation	Yes	No*
		Temperature	No	TBD
		Zinc	Yes	No
	Yes	Alteration in stream-side or littoral vegetative covers	N/A	N/A
		Arsenic	Yes	No
Prickly Pear Creek (MT411006_040)		Cadmium	Yes	No
		Copper	Yes	No
		Lead	Yes	No
		Physical substrate habitat alterations	N/A	N/A
		Sedimentation-Siltation	Yes	No*
		Temperature	Yes	No
		Zinc	Yes	No
	No	Alteration in stream-side or littoral vegetative covers	N/A	N/A
Tenmile Creek (MT41I006_143)		Arsenic	Yes	No
		Cadmium	Yes	No
		Copper	Yes	No
		Lead	Yes	No
		Flow regime modifications	N/A	N/A
		Nitrogen (Total)	Yes	No*
		Eutrophication	Yes	No
		Phosphorus (Total)	Yes	No*
		Sedimentation-Siltation	Yes	No*
		Zinc	Yes	No

*Although no MS4 WLAs were developed for Tenmile Creek and Prickly Pear Creek, to meet the intent of the TMDL goals and future recommendations, Helena MS4 must follow their permit requirements, evaluate potential impacts to impaired receiving waters, and utilize monitoring to implement an adaptive management approach to minimize pollutant loads (MDEQ, 2017).

N/A = Not Applicable

Impaired Water	MDT Outfall Discharging to Waterbody?	Impairment	Approved TMDL ⁴	TMDL Assigned WLA to MS4
		Arsenic	No	TBD
	Yes	Benthic Macroinvertebrates	No	TBD
		Dissolved Oxygen	No	TBD
Vallouistana Divar		Algae	N/A	N/A
(MT43F001_010)		Eutrophication	No	TBD
(101431001_010)		Oil and Grease	No	TBD
		Periphyton (Aufwuchs) Indicator Bioassessments	No	TBD
		Sediment	No	TBD
		Cause Unknown	N/A	N/A
Yellowstone River (MT43F001_011)	Yes	Chlorophyll-a	N/A	N/A
		Nitrate/Nitrite (Nitrite + Nitrate as N)	No	TBD
		Oil and Grease	No	TBD
		Other anthropogenic substrate alterations	N/A	N/A
		Physical substrate habitat alterations	N/A	N/A

MDT Permit Authorization: MTR040010 Yellowstone County MS4

N/A = Not Applicable

⁴ Yellowstone Watershed is listed as a MDEQ priority area scheduled for TMDL completion after 2022.

APPENDIX L

ADDITIONAL INFORMATION

Section D. Water Quality Priorities

D.3. Pollutant sources targeted in MDT's Storm Water Management Program include fertilizer, litter, vehicle fluid leaks, salt and sediment from sanding operations, and sediment from MDT construction projects. Educational, training, plan and policy documents have been developed to address these pollutant sources through various means, including:

- MDT's Adopt-a-Highway Program;
- Implementation of individual MDT Facility Pollution Prevention Plans (FPPPs);
- Adherence to MDT's Roadway/Roadside Maintenance Program;
- Implementation of good housekeeping measures at construction sites and MDT maintenance facilities;
- Use of erosion and sediment controls at MDT construction sites;
- Illicit discharge screening of MDT outfalls; and
- General storm water awareness.

Section E. Public Education and Public Participation

E.4. MDT's 2014 Storm Water Management Plan was released for public input through MDT's public notice process. This process included a short segment on the local television station news broadcast. Unlike a city or county, MDT does not have its own "citizens" to engage. Instead, users of MDT facilities are transient through the MDT system. As such, MDT's public education efforts include posts on MDT's Facebook and Instagram Pages to educate and seek input from a wider audience (i.e. roadway users).

Section F. Construction

F.1. MDT does not have ordinances or regulatory mechanisms of its own. To qualify for federal funding, MDT must comply with all applicable federal regulations. The Federal Highway Administration (FHWA) has requirements specifically related to erosion and sediment control during construction. MDT implements contract provisions to obligate MDT contractors to comply with applicable environmental laws, as well as FHWA's erosion and sediment control requirements. In December 2020, MDT drafted MS4-specific guidance for Plans, Specifications, and Estimates review to ensure inclusion of MS4-required special provisions into contract documents before projects are let for advertising and construction. Additionally, MDT has construction guidance that allows for withholding of payment, stop work orders, assessment of contract time, and other ways of intervening if the contractor fails to follow contract provisions.

F.2. In February 2016, MDT developed MS4-specific written construction and post-construction inspection procedures for environmental staff in order to better define MS4 construction review and inspection targets. MDT's construction contracts require contractors to obtain Montana Pollutant Discharge Elimination System (MPDES) stormwater construction general permit coverage for projects that result in disturbances of 1 or more acres. Contractors are required to perform self-inspections for the purpose of complying with the construction general permit and to provide copies of their MPDES permit package and inspection reports to MDT. Once physical work at the site commences, these projects are slated for oversight inspections by the District Environmental Engineering Specialists (DEES). The DEES must review the contractor's erosion control plan during the initial inspection. The DEES will evaluate the project type, disturbance activities, proximity to waterbodies, and contractor performance to determine the appropriate DEES' oversight inspection frequency. MDT construction personnel also perform ongoing inspections of construction sites, including BMPs, as part of their regular duties. Findings, along with recommended DEES oversight inspection frequency and rational, are documented in a written environmental inspection report and shared with MDT construction personnel and the Field Services Engineer (FSE). If deficiencies are observed, the contractor will be notified and requested to return to contract compliance. MDT has construction guidance that allows for withholding of payment, stop work

orders, assessment of contract time, and other ways of intervening if the contractor fails to follow contract provisions.

F.3, F.4. The following table describes the number of active construction sites in each MS4 disturbing 1 or more acres, as well as the number of construction sites that were inspected in 2020.

MS4 AREA	ACTIVE CONSTRUCTION SITES ≥1 ACRE IN 2020	NO. CONSTRUCTION SITES INSPECTED IN 2020	
MTR040001 (BILLINGS)/MTR040010 (YELLOWSTONE CO)	5	6	
MTR040002 (BOZEMAN)	1	1	
MTR040004 (GREAT FALLS)	1	1	
MTR040005 (KALISPELL)	0	1	
MTR040006 (BUTTE)	2	3	
MTR040007 (MISSOULA)	2	8	
MTR040009 (HELENA)	1	2	

F.5, F.6. The DEES, MDT construction staff, and contractors all perform construction site inspections on MDT projects. For projects that require MPDES construction storm water permit coverage within an MS4, the DEES are required to conduct an initial oversight inspection when physical work at the site commences. After this initial inspection, the DEES inspection frequency is dependent upon an evaluation of the project type, disturbance activities, proximity to waterbodies, contractor performance, etc. Projects with a greater potential for discharge are targeted for more frequent inspections. Once construction is complete and the contract finalization process has been initiated, the DEES conduct an MPDES walk-through with MDT construction and maintenance staff, as well as the contractor. This walk-through process is intended to ensure that post-construction BMPs are adequate and functioning properly until such time final stabilization is achieved.

F.8. Currently, construction personnel track contract issues through AASHTOware, 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 tracking improvements.

F.10. The DEES provide storm water training at MDT Construction and Maintenance staff meetings within their respective districts at least once per year. Construction and maintenance personnel are also encouraged to complete MDT's on-line SWPPP Administrator and Water Permitting/BMP training programs, which were updated in 2019. DEES attend outside training courses, as necessary, for continuing education purposes.

Section G. Illicit Discharge Elimination

G.3, G.4., G.5. MDT's documentation for outfall screening procedures, including frequency, is specified in BMP-IDDE-02 of MDT's 2014 Storm Water Management Plan (SWMP). Collected screening data is recorded on MDT's Outfall Screening form and tracked in MDT's excel tracking spreadsheet. In 2020, MDT enlisted contracted services to begin development of a formal IDDE Corrective Action Plan and Enforcement Response Plan, as well as updates to the existing dry weather screening process to better evaluate outcomes. This effort is on-going and is expected to be complete in 2021. The table below details the number and type of outfalls for each MS4, as well as the number screened in 2020.

MS4 AREA	TOTAL OUTFALLS	NO. OF MAJOR OUTFALLS	NO. OF MINOR OUTFALLS	NO. SCREENED IN 2020
MTR040001 (BILLINGS)	17	7	10	5
MTR040002 (BOZEMAN)	22	9	13	4
MTR040004 (GREAT FALLS)	25	3	22	5
MTR040005 (KALISPELL)	19	8	11	7
MTR040006 (BUTTE)	21	0	21	3
MTR040007 (MISSOULA)	35	9	26	29
MTR040009 (HELENA)	8	3	5	5
MTR040010 (YELLOWSTONE CO)	18	2	16	7

Of note, with the exception of Helena, the number of outfalls listed above have been carried over from the previous year's MS4 Annual Report. MDT is currently in the process of updating and mapping MS4 outfalls statewide; at this time, only the Helena MS4 outfall mapping updates have been completed. This new list of outfalls will be provided to MDEQ for assistance in drafting MDT's individual permit once outfall mapping updates are completed state-wide.

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

- 27-1-202, Montana Code Annotated (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;
- Administrative Rules of Montana (ARM) 18.3.104. Reasons for Debarment.

MDT follows 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 or County Government and/or MDEQ in accordance with MDT policy and applicable laws.

Section H. Storm Water Management for Municipal Operations

H.1. MDT does not own or operate public parks, balls fields, other recreational facilities and open spaces, or waste handling and disposal areas. FPPPs are in place for all MDT maintenance facilities located within an MS4. Additionally, Spill Pollution Controls and Countermeasure (SPCC) plans are in place for primary maintenance facilities that meet petroleum products storage regulatory thresholds. Maintenance personnel perform and document monthly FPPP inspections at these facilities. The DEES also conduct annual FPPP reviews and document findings in a report. The annual FPPP reports are used to identify and prioritize funding opportunities for MDT maintenance facility site improvements. Additionally, in 2020, MDT drafted a formal FPPP Update and Training procedure to ensure FPPPs are formally updated on a routine basis and that maintenance personnel receive storm water training specific to each facility. This formal procedure will be finalized in 2021. If construction activities at an MDT facility occurs, the contractor is contractually obligated to adhere to applicable permit requirements including the construction general permit for activities that disturb 1 acre or more.

H.4. All current MDT maintenance facilities within an MS4 have a FPPP in place. The FPPPs provide guidelines for storm water management at MDT facilities and their respective inspection frequencies. All MDT facilities are currently on a monthly FPPP inspection schedule. Additional BMPs 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. As discussed in Section F, the DEES provide storm water training at MDT Construction and Maintenance staff meetings within their respective districts at least once per year. Construction and maintenance personnel are also encouraged to complete MDT's on-line SWPPP Administrator and Water Permitting/BMP training programs, which were updated in 2019. Additionally, MDT contractors are contractually obligated to adhere to applicable permit requirements including the construction general permit requirement for a certified SWPPP administrator. Detailed, comprehensive storm water training is required to become a certified SWPPP Administrator.

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

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 Code of Federal Regulations (CFR) Part 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 (last updated January 2018), which include evaluation of Low Impact Development (LID) practices for consideration in project design. Specific LID proposals are documented on an MS4 LID form during project development and are incorporated into design plans. The design team reviews these plans at various stage of project development (e.g. 30%, 60%, 95% design) to ensure PESC and LID considerations are adequately addressed. Once projects are constructed, BMPs associated with operation and maintenance of these long-term storm water controls are addressed in Section E of MDT's Maintenance Operations and Procedures Manual.

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.

1.7, 1.8. 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 the course of several years. The need for incorporation of PESC and LID measures is evaluated continuously throughout project design. Section 2.0 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. MDT routinely designs PESC and/or LID measures into the contract plans, as necessary. MDT is able to withhold payment or shut down construction operations if a contractor fails to construct, operate, and/or maintain these measures according to the contract documents. When construction is complete, a project may stay under MDT jurisdiction. In those cases, the operation and maintenance of the storm water facilities, such as a retention basin, may fall to MDT maintenance staff. Some projects, once complete, are returned to local government at which point the city/county takes over responsibility and would have the 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. MDT is currently exploring ways to improve the process of tracking required data.

Section J. Storm Water Management Program Resources

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 the SWMP. That said, ongoing improvements occurred in 2020 in support of the MS4 program and include the following:

- Initiation of a formal MS4 Mapping Update Procedure addressing changes to MS4 boundaries and storm water infrastructure, as well as designation of MDT outfalls;
- Research of MDT storm drain, construction and maintenance agreements executed within each MS4;
- Completion of inlet and outfall mapping data collection efforts for the Helena MS4;
- Initiation of inlet mapping data collection efforts for the Butte MS4;
- Development of Plans, Specifications, & Estimate (PS&E) review guidance to ensure inclusion of storm water special provisions in contract documents;
- Development of a formal Facility Pollution Prevention Plan (FPPP) Update and Training procedure;
- Modification of tracking spreadsheets to help identify which projects are occurring in MS4s;
- Initiation of Illicit Discharge Detection and Elimination (IDDE) program improvements, including development of an Enforcement Response Plan and IDDE Corrective Action Plan, as well as updates to the dry weather screening process to better evaluate outcomes;
- Incorporation of IDDE-specific messages into construction and maintenance training presentations; and,
- Review and identification of needed SWMP revisions and updates.

J.4. MDT planning, design, construction, and maintenance staff all share responsibilities in implementing MDT's MS4 program. Within MDT's Environmental Services Bureau, 14 staff members are specifically charged with educating MDT personnel and ensuring MS4 program requirements are adhered to statewide. The updated chart below graphically depicts MDT's current MS4 program structure.

This updated chart deviates slightly from the one found in MDT's 2014 SWMP. Due to staffing changes, MDT has divided the Statewide MS4 Coordinator's duties listed in the SWMP between the Glendive District Environmental Engineering Specialist (referred to as the MS4 Data Manager) and Environmental Engineering Section Supervisor. The MS4 Data Manager 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.



APPENDIX N

ADDITIONAL DETAILED INFORMATION: SUMMARY OF COMPLIANCE AND/OR STATUS OF SWMP

SWMP Activity or	Printed Media	Web Sites and Social Media	Public Events BMP-PEO-03
Component Name	BMP-PEO-01	Sites BMP-PEO-02	
Minimum Control	Public Education and	Public Education and	Public Education and
Measure Name (If	Outreach on Storm	Outreach on Storm	Outreach on Storm
Applicable)	Water Impacts	Water Impacts	Water Impacts
General Permit	II.B.1	II.B.1	II.B.1
Condition Item			
Number (If			
Applicable)			
Brief Description	Make printed media	Post storm water specific	To reach target audiences by
of Planned SWMP	available to the public.	information on MDT online	providing or sponsoring
Action Taken		sources including MDT Intranet,	presentations in schools and
		MDT internet, and Facebook.	universities, conferences, retirement
			communities, civic clubs, libraries,
			businesses, and association
D 11			meetings.
Responsible	MD1, MS4 Coordinator,	MD1, MS4 Coordinator,	MD1, MS4 Coordinator, Public Info
Agency,	Public Info Officer, DEES	Environmental Engineering	Officer, DEES
Department, or		Section Supervisor	
Person or Position			
Development of	Ves	Ves	Vec
SWMP Item	105	105	105
Completed and/or			
In Effect (Ves/ No)			
Measurable Goal	MDT will track in a	This BMP will be measured by	MDT's Statewide MS4 Coordinator
or Performance	spreadsheet, the printed	several means. First, the amount	will participate in at least one public
Standard Utilized	media types that were	of feedback received from the	event each year to promote the
	generated, the number of	Montana MS4 website, which has	Statewide MDT MS4 Program. In
	brochures, pamphlets, and	a link to allow comments to be	addition, the DEES will attend at
	other printed media	emailed to MDT.	least one public event each year to
	distributed as well as the		promote the storm water
	dates and locations where	The MDT MS4 Coordinator will	management program efforts in each
	the printed media was	post at least four status updates	MS4 area. Events may include storm
	handed out. At the end of	related to storm water, water	water conferences, Storm Water
	the permit period, the	quality, and other MS4 issues on	Awareness Week, Montana State
	MS4 Coordinator will	the MDT social media site (i.e.	Fair, local Science Fairs, Earth Day,
	compile the information	Facebook) each year. This BMP	educational booths and presentations
	recorded. MDT will	will be measured by the number	at schools and universities. MDT
	uistribute 5% more	of subscribers to the MD1 site	will track the number of events
	printed educational	and by the likes" and	data and location of events and if
	material mail the prior	posts	nossible the number of event
	article will post once a	posis.	possible, the number of event
	vear in MDT's Rail	Note: As discussed in previous	compiled at the end of the permit
	Transit & Planning	Annual Reports the	period to determine its effectiveness
	Division newsletter the	MontanaMS4 website was	for educating the public
	'Newsline'.	discontinued in 2015 to focus on	
		the MDT webpages. Also, the	Note: As discussed in previous
	Note: As discussed in	responsibility to develop	Annual Reports, the Statewide MS4
	previous Annual Reports,	Facebook posts was transitioned	Coordinator's participation in
	MDT is focusing less on	from the MS4 Coordinator to the	public outreach events was
	printed material and more	Environmental Engineering	discontinued in 2016 since it was
	on Social Media	Section Supervisor in 2016. In	duplicative of the DEES' efforts.
	interactions. This BMP is	addition to Facebook posts, MDT	
	being phased out.	posts to Instagram as well.	

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, National Environmental Policy Act (NEPA) and Montana Environmental Policy Act (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 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.

SWMP Activity	Feedback	Storm Water System Mapping
or Component	BMP-PPI-03	BMP-IDDE-01
Name		
Minimum	Public Involvement/	Illicit Discharge Detection and Elimination (IDDE)
Control Measure	Participation	6 ()
Name (If	1	
Applicable)		
General Permit	II.B.2	II.B.3
Condition Item		
Number (If		
Applicable)		
Brief Description	The public can provide feedback using	A statewide effort to map MDT's storm water system.
of Planned	several different methods. MDT will address	1 V
SWMP Action	this feedback and incorporate the feedback	
Taken	where appropriate.	
Responsible	MDT, MS4 Coordinator, other MDT Staff as	MDT, MS4 Coordinator, DEES
Agency,	applicable	
Department, or		
Organization;		
and Person or		
Position		
Development of	Yes	No – BMP is only partially complete. Mapping of
SWMP Item		inlets, open channels, and subsurface conduits/pipes,
Completed		dry wells, and other similar storm water conveyances is
and/or In Effect		ongoing.
(Yes/No)		
Measurable Goal	On MDT's social media sites, the MS4	The DEES will continue to provide on-the-ground
or Performance	Coordinator will make at least four	mapping data and the Statewide MS4 Coordinator will
Standard	announcements per year. MDT will continue	continue to update each Small MS4 storm water system
Utilized	to solicit feedback through work group	map on an annual basis and will make the updated
	discussions, website comments, phone calls,	maps available in electronic format upon request.
	written e-mails or letters, training	2014 MDT will solicit information from sitios and
	pariods and parsonal interactions. The MS4	2014. MD1 will solicit information is as accurate as
	Coordinator will use a greadsheat to keep	counties to ensure that the information is as accurate as
	track of the amount and type of feedback	with an normittees upon request Underes include areas
	received The MS4 Coordinator will evaluate	of new development or infrastructure improvements as
	the BMPs progress based on the amount and	well as those areas where new information becomes
	type of feedback received via available	available during maintenance activities. In addition
	sources. The MS4 Coordinator will use the	MDT will revise the Small MS4 boundaries based on
	feedback received to create undates and	city limit changes and census information on a yearly
	revisions to the storm water program on an	basis if these two items have changed. This BMP's
	as needed basis to increase the amount of	success will be based on the Small MS4 maps being
	feedback and public interaction received	updated with new information, and 25% of inlets being
		mapped in 2014. Over the permit cycle starting in 2015
	Note: In 2016, the responsibility to develop	MDT will collect and map our inlets, open channels.
	Facebook posts was transitioned from the	and subsurface conduits/pipes. dry wells. and other
	MS4 Coordinator to the Environmental	similar storm water conveyances.
	Engineering Section Supervisor. In addition.	
	starting in 2020, MDTs Instagram page is	
	used to post MS4 information.	

SWMP Activity	Dry Weather Screening	Storm Water Ordinances
or Component	BMP-IDDE-02	BMP-IDDE-03
Name		
Minimum	IDDE	IDDE
Control Measure		
Name (If		
Applicable)		
General Permit	II.B.3	II.B.3
Condition Item		
Number (If		
Applicable)		
Brief Description	Monitoring of outfalls within the MDT	MDT will follow local ordinances, statutes, and
of Planned	jurisdiction by use of both dry weather	regulations within the Small MS4s. MDT will notify
SWMP Action	screening and visual observation.	the proper enforcement authority available in the select
Taken		Small MS4 that has an existing storm water ordinance
		in place.
Responsible	MDT, MS4 Coordinator, DEES, FSE,	MDT, MS4 Coordinator, DEES, construction
Agency,	Maintenance Staff	inspectors
Department, or		
Organization;		
and Person or		
Position		
Development of	Yes	Yes
SWMP Item		
Completed		
and/or In Effect		
(Yes/No)		
Measurable Goal	The DEES is responsible for performing the	Because MDT does not have legal authority to
or Performance	dry weather screening at each outfall once	establish ordinances, it will rely on other governmental
Standard	per permit cycle. The information they gather	bodies to add ordinances and regulation to the existing
Utilized	will be used to update both the dry weather	standards that help eliminate illicit or illegal discharges
	screening form along with the tracking	into state water bodies. For applications within the
	spreadsheet in 2015. The IDDE Program	Small MS4, MDT will continue to list in right of way
	protocols will be made available on the MDT	approach and encroachment permits that applicants are
	website. The number of illicit or illegal	expected to follow local ordinances, which include the
	discharges reported to the MS4 Coordinator	city MS4 ordinances. As part of this measurable goal,
	will be analyzed and compared to previous	MDT will follow applicable ordinances, and report
	years. MDT will also track the date, the	non-compliance to the appropriate authorities. MDT
	outfall location, the response action, and the	will evaluate the local agreements with co-permittees at
	outcome of the implementation of such	the end of this permit cycle. In addition, MDT will
	actions. Success of this BMP will be to	continue to follow the Escalation Plan spelled out in
	eliminate 100% of illicit or illegal discharges	Management memo 03-01 that is available in electronic
	from MDT operations.	format on the MDT websites.
	Note: In 2020, MDT initiated efforts to	Note: In 2020, MDT initiated efforts to develop an
	update the dry weather screening process to	IDDE Corrective Action Plan and Enforcement
	better evaluate outcomes. These updates are	Response Plan. These plans are expected to be
	expected to be finalized in 2021.	finalized in 2021.

SWMP Activity or	Public Education on IDDE	Training
Component Name	BMP-IDDE-04	BMP-IDDE-05
Minimum Control	IDDE	IDDE
Measure Name (If		
Applicable)		
General Permit	II.B.3	II.B.3
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT currently provides information on	Provide district personnel with IDDE training
Planned SWMP	possible illicit and illegal discharges in our	specific to their job duties.
Action Taken	printed education material. MDT will continue	
	to provide this information.	
Responsible	MDT, MS4 Coordinator, other MDT staff	MDT, MS4 Coordinator, DEES
Agency,		
Department, or		
Organization; and		
Person or Position		
Development of	Yes	Yes
SWMP Item		
Completed and/or		
In Effect (Yes/No)		
Measurable Goal	MDT will track, when possible, the number of	This training will be part of the IDDE Training
or Performance	calls, emails, or postings on MDT's social	Program and will be performed annually for key
Standard Utilized	media sites. Information provided during the	personnel. MDT will track the date, location and
	reporting will be entered into a tracking	employees trained each year as part of the IDDE
	spreadsheet. The action taken by MD1 to	I raining Program at each Small MS4. Success will
	resolve the problem will also be included in	be determined by ensuring up to date training
	the spreadsneet. when available, MD1 will	material and employees requesting the training
	record now the information was acquired.	receive the training.
	MD1 will use this information to evaluate the	
	mighest used method of reporting. Reporting	
	determine if changes can be made to improve	
	its offostiveness. The number of reports will	
	determine if having a multic reports will	
	is affective. The regults will be presented in	
	is effective. The results will be presented in	
	2.2.1.2 the MSA Coordinator will be posting	
	status undates on MDT's social media	
	(Facebook) nage One of these posts will be	
	related to IDDE	
	Note: In 2016 the responsibility to develop	
	Facebook posts was transitioned from the	
	MS4 Coordinator to the Environmental	
	Engineering Section Supervisor In addition	
	starting in 2020 MDTs Instagram nage is	
	used to nost MS4 information	
L		l

SWMP Activity or	Construction SWPPP	MDT Environmental and Construction Oversight
Component Name	BMP-CSRC-01	BMP-CSRC-02
Minimum Control	Construction Site	Construction Site
Measure Name (If	Runoff Control	Runoff Control
Applicable)		
General Permit	II.B.4	II.B.4
Condition Item		
Number (If		
Applicable)		
Brief Description of	At construction sites that are	To provide environmental and construction oversight on
Planned SWMP	required to obtain an MPDES	MDT projects. To ensure compliance with federal, tribal,
Action Taken	General Permit for Storm Water	state, and local laws.
	Discharges associated with	
	Construction Activity, the	
	contractors must prepare a SWPPP.	
Responsible	MDT, PDE	MDT, DEES, project personnel
Agency,		
Department, or		
Organization; and		
Person or Position		
Development of	Yes	Yes
SWMP Item		
Completed and/or		
In Effect (Yes/No)		
Measurable Goal	MDT continues to place the special	This BMP will be measured by the number of inspections
or Performance	provision in project contracts that	conducted during the permit period. In addition, deficiencies
Standard Utilized	require contractors on construction	will be tracked by project, as well as the actions taken to
	sites larger than or equal to 1 acre of	remedy the issues. The deficiencies and actions will be used
	disturbance to adhere to the MPDES	as training tools to improve inspection procedures and to train
	General Permit for Storm Water	DEES and inspection personnel for future MDT projects.
	Discharges associated with	MDT will track the size of project and compliance record of
	Construction Activity. The	the contractors and subcontractors to evaluate if the
	measurable goal for the BMP is that	environmental plans and specifications are meeting the
	project contracts have the MPDES	requirements of the Construction General Permit and
	Special Provision.	protecting the state's water quality. MDT staff will inspect
		100% of projects within the Small MS4. The DEES attend,
	Note: In December 2020, MDT	send a designee, or communicate directly with the project
	drafted MS4-specific guidance for	manager prior to 100% of the Pre-Construction conferences
	Plans, Specifications, and Estimates	for construction projects within the Small MS4s.
	review to ensure inclusion of MS4-	
	required special provisions into	
	contract documents before projects	
	are let for advertising and	
	construction. This guidance is	
	expected to be finalized and	
	distributed in 2021.	

SWMP Activity or Component Name	MDT Information Analysis	MDT Training BMP-CSRC-04	Internal Project Administration BMP-CSRC-05
r r · · · ·	BMP-CRSC-03		
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 Engineering Project Manager (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. <i>Note: In December 2020, MDT</i> <i>drafted MS4-specific guidance for</i> <i>Plans, Specifications, and</i> <i>Estimates review to ensure</i> <i>inclusion of MS4-required special</i> <i>provisions into contract documents</i> <i>before projects are let for</i> <i>advertising and construction. This</i> <i>guidance is expected to be</i> <i>finalized and distributed in 2021.</i>

SWMP Activity or Component Name	Plan Reviews BMP-PCRC-01	Construction and Post-Construction Site	Operation and Maintenance
Component Ivanie	Dim -1 CKC-01	Inspections Divin -1 CRC-02	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.

SWMP Activity	Reviewers and Inspectors Training	Low Impact Development Approach
or Component	BMP-PCRC-04	BMP-PCRC-05
Name Minimum	Post Construction Dur off in Now	Past Construction Duroff in New Development and
Control Measure	Post-Construction Runon in New	Redevelopment
Nome (If	Development and Redevelopment	Kedevelopment
Applicable)		
General Permit	UB5	II B 5
Condition Item	11.0.0	11.0.0
Number (If		
Applicable)		
Brief Description	MDT will provide training and guidance	MDT will attempt to incorporate LID techniques where
of Planned	material to its employees on environmental	practicable in MDT projects and at its facilities within
SWMP Action	compliance and storm water BMPs.	the MS4 areas when upgrades to the facilities are
Taken	1 1	implemented and new or redevelopment takes place.
Responsible	MDT, MS4 Coordinator, DEES	MDT, MS4 Coordinator, PDEs
Agency,		
Department, or		
Organization;		
and Person or		
Position		
Development of	Yes	Yes
SWMP Item		
Completed and/or		
In Effect (Yes/No)		$\mathbf{F} = 1 + $
Measurable Goal	MD1 will continue to provide training to its	For foad construction projects in MIS4 areas, MID1 will evaluate 100% of designs for the potential of
Standard Utilized	and storm water BMPs. Continued	incorporating LID techniques. When the requirements
Stanuaru Otinizeu	educational programs and specialized	are triggered (i.e. a new development or redevelopment
	training will continue to be made available	project with disturbance greater than or equal to 1
	for individuals involved in the plan review	acre). LID opportunities will be explored. PDEs will be
	process and for inspection personnel. The	the lead on this effort and will provide data to the MS4
	MDT-provided training and education	Coordinator for tracking.
	programs attended by MDT personnel will	
	be tracked as part of this BMP.	For "state actions" at MDT facilities within Small MS4
	-	areas, MDT will evaluate 100% of designs for
	Pertinent staff members will attend at least	appropriateness of incorporating LID techniques. Each
	one relevant training session per permit	proposed project will be reviewed for triggering the
	period to develop and expand their skills	requirements for incorporating LID, as practicable.
	pertaining to storm water pollution	When the requirements are triggered, LID
	prevention techniques. This training will be	opportunities will be explored. PDEs will be the lead
	available as an online self-review of the	on this effort and will provide data to the MS4
	PESC Design Guidelines manual. MDT	Coordinator for tracking.
	conducts periodic training on and updates of	
	the PESC Manual as necessary.	For encroachment and approach permit applications
		within Small MS4 areas, MD1 will evaluate 100% of
		applications for appropriateness of incorporating LID
		techniques. Appropriate MIS4-related information will
		DE included in the permit issuance correspondence.
		PDES will be the lead on this effort and will provide
		uata to the MIS4 Coordinator for tracking.

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

SWMP Activity or	Training
Component Name	BMP-PPGH-01.1
Minimum Control	Pollution Prevention / Good Housekeeping
Measure Name (If	
Applicable)	
General Permit	II.B.6
Condition Item	
Number (If	
Applicable)	
Brief Description	Educate staff regarding storm water characteristics, water quality issues, and individual
of Planned SWMP	responsibilities regarding the implementation of the Statewide SWMP, SWPPP, and the
Action Taken	SPCC Plans.
Responsible	MDT, MS4 Coordinator, DEES, other Environmental Staff
Agency,	
Department, or	
Organization; and	
Person or Position	
Development of	Yes
SWMP Item	
Completed and/or	
In Effect (Yes/No)	
Measurable Goal	a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance
or Performance	staff performing SWPPP inspections in Small MS4s are in compliance with the
Standard Utilized	construction general permit 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 an MDT Certified SWPPP
	Administrator.
	b) This BMP will be measured by ensuring that 100% of the Maintenance staff performing
	site-specific 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 inspection
	procedures.
	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.
	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.

SWMP Activity or	Training
Component Name	BMP-PPGH-01.2
Minimum Control	Pollution Prevention / Good Housekeeping
Measure Name (If	
Applicable)	
General Permit	II.B.6
Condition Item	
Number (If	
Applicable)	
Brief Description	Educate staff regarding storm water characteristics, water quality issues, and individual
of Planned SWMP	responsibilities regarding the implementation of the Statewide SWMP, FPPPs, and the
Action Taken	SPCC Plans.
Responsible	MDT, MS4 Coordinator, DEES, other Environmental Staff
Agency,	
Department, or	
Organization; and	
Person or Position	
Development of	Yes
SWMP Item	
Completed and/or	
In Effect (Yes/No)	
Measurable Goal	a) ESB personnel, generally the Engineering Section Supervisor or the Field Services
or Performance	Engineer, will attend at least one quarterly District Construction Engineer (DCE) meeting
Standard Utilized	per year and provide information related to MDT's overall storm water management
	program, including MS4 issues.
	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.
	c) Several MD1 facilities in MS4 areas fall under the 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.
	a) MD1 has developed site-specific FPPPs for MD1 facilities within MS4 areas. Iraining
	is offered on each site specific FPPP upon completion of the plan. Additional training will
	be offered when the plan is amended of on an as needed basis, as necessary. Dates, name,
	and responsibility of staff members, as well as topics discussed, will be tracked on a
	spreausneet as part of this measurable goal.
	Note: In December 2020 MDT drafted a formal FPPP Undate and Training procedure to
	ensure FPPPs are formally undated on a routine basis and that maintenance personnel
	receive storm water training specific to each facility

SWMP Activity or	Periodic SWPPP and	Road and Parking Sweeping	Road and Parking Area
Component Name	SPCC Plan Inspections BMP_PPCH_02	BMP-PPGH-03	Maintenance BMP-PPCH-04
Minimum Control	Pollution Prevention /	Pollution Prevention / Good	Pollution Prevention / Good
Measure Name (If	Good Housekeeping	Housekeeping	Housekeeping
Applicable)			
General Permit	II.B.6	II.B.6	II.B.6
Condition Item			
Number (II Applicable)			
Brief Description of	MDT will perform site	Implement a Street Sweeping	MDT will follow its
Planned SWMP	inspections for MDT	Program that encompasses the	Roadway/Roadside Maintenance
Action Taken	facilities within the Small	streets and roadways, the	Program to maintain
	MS4s with FPPP and	maintenance yards and parking	roadways/roadsides for safety, to
	SPCC plans on the time	areas within its facilities. The	protect the environment, and to
	basis documented in the	street sweeping frequency	maintain a pleasing aesthetics in a
	SWMP.	depends on need and travel	functional manner.
		volumes. Sweepers also	
		respond to certain types of	
		work	
Responsible	MDT. MS4 Coordinator.	MDT. Maintenance Staff	MDT. MS4 Coordinator, DEES.
Agency,	DEES, Maintenance staff		Maintenance Staff
Department, or			
Organization; and			
Person or Position			
Development of SWMP Item	Yes	Yes	Yes
Completed and/or			
In Effect (Yes/No)			
Measurable Goal	The DEES and MS4	MDT's goal for the street	MDT will evaluate current practices
or Performance	Coordinator will analyze	sweeping program is to sweep	used during maintenance and
Standard Utilized	the FPPP inspection	100% of the facilities and MDT	operational activities to determine if
	forms on a yearly basis to	maintained roads that are	modifications to these practices are
	evaluate opportunities to	Within our permitted Small	warranted to minimize storm water
	identified deficiencies. In	per year	evaluation of BMPs and procedures as
	some cases, funds will	per year.	well as suggestions will be
	have to be secured to		documented to determine the best
	improve the current		course of action to implement
	infrastructure and might		improvements as the measurable goal
	require several years		for this BMP. Cost, ease of
	before the BMP can be		implementation, and risk and benefit
	tully implemented.		analysis will be taken into account to
			make recommendations to MD1
			management.

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

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

SWMP Activity or	Storm Drain System Cleaning and	Develop SWPPPs and Updates to SWPPPs
Component Name	Maintenance	BMP-PPGH-11
	BMP-PPGH-010	
Minimum Control	Pollution Prevention / Good	Pollution Prevention / Good Housekeeping
Measure Name (II	Housekeeping	
Applicable)	II D 6	II P 6
Condition Itom	11.D.0	11.D.0
Number (If		
Annlicable)		
Brief Description	Conduct routine system inspections.	MDT has developed FPPPs for MDT facilities
of Planned SWMP	cleaning, and maintenance of MDT	within the Small MS4s. MDT will update FPPPS
Action Taken	maintenance facilities, yards, and	as needed.
	storm water infrastructure within the	
	MDT right of way.	
Responsible	MDT, MS4 Coordinator, DEES,	MDT, MS4 Coordinator, DEES, Maintenance
Agency,	Maintenance staff	Staff
Department, or		
Organization; and		
Person or Position		
Development of	Yes	Yes
SWMP Item		
Completed and/or		
Measurable Coal	MDT will continue the current	MDT will continue to evaluate and undate the
or Performance	maintenance program and track the	FPPPs as conditions change regarding design
Standard Utilized	number of inspections, cleanings.	construction, operation, or maintenance at the
	and repairs conducted at each	different facilities. The changes will be recorded in
	maintenance facility as well as	the Amendment Record Log included in each
	continue maintenance conducted on	FPPP. In addition, MDT will continue to train its
	MDT's right of way within the MS4	staff to better understand the implications of
	areas. MDT tracks hours and	contaminating storm water and procedures to
	supplies in the Management System	reduce the potential of contamination. MDT staff
	for each MS4 area. MDT will clean	will complete the monthly FPPP inspection forms
	and provide maintenance to storm	at the currently existing FPPP locations. FPPP
	water structures as necessary. The	inspections will be reviewed and analyzed by the
	need is determined from the	MS4 Coordinator annually for the annual report.
	inspections taking place as a regular	The forms, addendums, and training will be the
	part of the maintenance department	measurable goal for this BIVIP.
	of notification can be from the	Note: In December 2020 MDT duated a formal
	public city or county employees	EPPP Undate and Training procedure to ensure
	public, only of county employees.	FPPPs are formally undated on a routine basis
		and that maintenance personnel receive storm
		water training specific to each facility.

APPENDIX O

ADDITIONAL DETAILED INFORMATION: SUMMARY OF ACTIVITES AND DESCRIPTION OF SWMP EFFECTIVENESS DURING PAST YEAR

For MDT MS4 purposes, MDT's Billings DEES functions are the same for both Billings and Yellowstone County. Many of the activities MDT completed do not provide a distinction between Billings and Yellowstone County. Some activities may be identical between these two (2) MS4s or listed as Billings/Yellowstone County MS4.

SWMP Activity or	Printed Media
Component Name	BMP-PEO-01
Minimum Control	Public Education and Outreach on Storm Water Impacts
Measure Name (If	
Applicable)	
General Permit	II.B.1
Condition Item Number	
(If Applicable)	
Brief Description of	Make printed media available to the public.
Planned SWMP Action	
Taken	
Responsible Agency,	MDT, MS4 Coordinator, Public Info Officer, DEES
Department, or	
Organization; and	
Person or Position	
Measurable Goal or	MDT will track, in a spreadsheet, the printed media types that were generated, the number of
Performance Standard	brochures, pamphlets, and other printed media distributed as well as the dates and locations
Utilized	where the printed media was handed out. At the end of the permit period, the MS4 Coordinator
	will compile the information recorded. MD1 will distribute 5% more printed educational
	material than the prior year. An MS4 related article will post once a year in MD1's Rail, Iransit
Or and to the disetons	& Planning Division "Newsline".
Quantitative indicators	MDT has a supply of printed brochures that are provided at the entrances to MDT Headquarters,
Used and Results	the MDT Planning Building, and MDT District Main Offices, as well as from MDT
	environmental stall. Copies of these materials were provided for public meetings inroughout
	the state of Montana, although opportunities for distribution of printed materials was limited
	brochurgs at the following MS4 outroach events:
	Bozeman MSA: At the Bozeman Public Library distributed two of 50 "Do Your Part
	- Bozenian W54. At the Bozenian Fubic Library, distributed two of 50 'Do Four Fait to Prevent Stormwater Pollution" namphlets, three of 50 "Illicit Discharge Detection
	and Elimination (IDDE) namphlets, and five of 50 "Take the Stormwater Challenge"
	crossword handouts. The undistributed namphlets were left at the Library for the
	public. The number remaining at the end of 2020 is unknown.
	- Butte MS4: Butte High School Career Fair – 2/19/2020. Distributed three "Do Your
	Part to Prevent Stormwater Pollution" pamphlets, four IDDE pamphlets, and five
	"Take the Stormwater Runoff Challenge" handouts.
	- Great Falls MS4: Science Fair $-3/11/2020$. Handed out 72 stormwater pamphlets.
	- Missoula MS4: 10 Spill Prevention Brochures were provided at MDT Missoula office;
	10 brochures remained at end of 2020.
	- Kalispell MS4: 10 Spill Prevention Brochures were provided at the MDT Kalispell
	Office. The number remaining at the end of 2020 is unknown.
	- Helena MS4: 10 IDDE pamphlets, 10 "Do Your Part to Prevent Stormwater Pollution"
	pamphlets, and 10 "Take the Stormwater Challenge" crossword handouts were
	provided to Carrol College Library and MDT Planning offices. The number remaining
	at the end of 2020 is unknown.
	- Billings/Yellowstone County MS4: 10 IDDE pamphlets and 10 "Do Your Part to
	Prevent Stormwater Pollution" pamphlets were provided at the MDT Billings office on
	12/18/20. There were two copies of the Prevent Stormwater Pollution Brochure already
	at this location. All brochures remain at the end of 2020.
	Additionally, the September 2020 MDT publication, "Newsline," which was distributed state-
	wide, included an article addressing stormwater pollution prevention.
Impact on SWMP	Provide positive public education with a unified statewide message.
Effectiveness	

SWMP Activity or	Web Sites and Social Media Sites
Component Name	BMP-PEO-02
Minimum Control	Public Education and Outreach on Storm Water Impacts
Measure Name (If	
Applicable)	
General Permit	II.B.1
Condition Item	
Number (If	
Applicable)	
Brief Description of	Post storm water specific information on MDT online sources including MDT Intranet (for MDT
Planned SWMP	employees), MDT internet (for roadway users), and Facebook (for roadway users).
Action Taken	
Responsible	MDT, MS4 Coordinator, Environmental Engineering Section Supervisor
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	This BMP will be measured by several means. First, the amount of feedback received from the
or Performance	Montana MS4 website, which has a link to allow comments to be emailed to MDT. The MDT MS4
Standard Utilized	Coordinator will post at least four status updates related to storm water, water quality, and other MS4
	issues on the MDT social media site (e.g. Facebook) each year. This BMP will be measured by the
	number of subscribers to the MD1 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
Quantitativa	year 2014. MDT discontinued the Montone MS4 website and instead utilizes MDT's MS4 specific internet and
Quantitative	wiD1 discontinued the Montana MS4 website and instead utilizes wiD1's MS4-specific internet and internet sites. This MS4 program for
and Desults	MDT amplevees and includes links to EDDBs, appual reports, advantional and guidenes material
and Results	MD1 employees and includes links to FPPPs, annual reports, educational and guidance material,
	NIS4 maps, notary material, and other websites resources for MD1 s Storm water r togram.
	In 2020, MDT posted three Facebook posts and five Instagram posts related to MSA. The MDT
	Instagram account has 2 213 followers, and the MDT Facebook account has 36 504 followers, a 9%
	increase from 2019 There was one post about Adopt a Highway, receiving 6 "likes" and the
	remaining seven posts were about stormwater, receiving 187 "likes" Overall MDT had 8 posts up
	100% from 2019 and 193 "likes" up 141% from the previous year. No comments were associated
	with these posts.
Impact on SWMP	Allows sharing of a unified statewide message on storm water with a diverse and widespread
Effectiveness	audience.

SWMP Activity or	Public Events
Component Name	BMP-PEO-03
Minimum Control	Public Education and Outreach on Storm Water Impacts
Measure Name (If	
Applicable)	
General Permit	II.B.1
Condition Item	
Number (If	
Applicable)	
Brief Description of	To reach target audiences by providing or sponsoring presentations in schools and universities,
Planned SWMP	conferences, retirement communities, civic clubs, libraries, businesses, and association meetings.
Action Taken	
Responsible	MDT, MS4 Coordinator, Public Info Officer, DEES, Environmental Engineering Section Supervisor
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	MDT's Statewide MS4 Coordinator will participate in at least one public event each year to promote
or Performance	the Statewide MDT MS4 Program. In addition, the DEES will attend at least one public event each
Standard Utilized	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. MD1 will track the
	number of events attended by MD1 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
O	determine its effectiveness for educating the public.
Quantitative	In 2016, the Statewide MS4 Coordinator's participation in public outreach events was discontinued
and Desults	since it was duplicative of the errorts completed by the DEES.
anu Kesuits	The DEES attended public outreach events in three of the MS4 gross in 2020. Due to the COVID 10
	nandemic many public events were cancelled nostroned and/or conducted virtually making public
	outreach difficult in 2020
	- Bozeman MS4 - 1/29/2020 Public Outreach at the Bozeman Public Library where the
	DEES visited with members of the public and distributed two "Do Your Part to Prevent
	Stormwater Pollution" pamphlets, three IDDE pamphlets, and five "Take the Stormwater
	Challenge" crossword handouts.
	- Butte MS4: Butte High School Career Fair $- 2/19/2020$. Distributed three "Do Your Part to
	Prevent Stormwater Pollution" pamphlets, four "Illicit Discharge Detection and
	Elimination" pamphlets, and five "take the Stormwater Runoff Challenge" handouts.
	Conversed with two students about the pamphlets, MS4, and careers available with MDT.
	- Great Falls MS4: Science Fair $-3/11/2020$. Conducted a demonstration on erodible soils.
	There were 159 kids registered, plus parents and teachers. Handed out 72 storm water
	pamphlets.
Impact on SWMP	Provide positive public education with a unified statewide message.
Effectiveness	

SWMP Activity or	Guidance Manuals and Educational Materials
Component Name	BMP-PEO-04.1
Minimum Control	Public Education and Outreach on Storm Water Impacts
Measure Name (If	
Applicable)	
General Permit	II.B.1
Condition Item	
Number (If	
Applicable)	
Brief Description of	Make a variety of guidance manuals and educational materials accessible through the MDT website.
Planned SWMP	
Action Taken	
Responsible	MDT, MS4 Coordinator, DEES
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	In 2014 a link will be added to the MontanaMS4 website (http://montanaMS4.com) to take the user
or Performance	to MDT's guidance and educational manuals. The first measurable goal will be to perform an annual
Standard Utilized	review by the MS4 Coordinator of the internal and external MD1 websites to verify that the links to
	the reference materials are accurate and up to date.
Quantitative	MDT discontinued the MontanaMS4 website and instead utilizes MDT's MS4-specific intranet and
Indicators Used	internet site. The intranet site is a "one-stop" source of information on MD1's MS4 program for
and Results	MD1' employees and includes links to FPPPs, MS4 maps, MD1's SWMP, Annual Reports,
	for MDT ² MS4 are analy
	for MD1 s M54 program.
	Both the internal MS4 and Environmental Services Bureau pages provide links to MDTs external
	internet site (http://www.mdt.mt.gov/pubinyolye/stormwater/) where MDT's Storm Water guidance
	and educational manuals are also available. The internet site provides general storm water
	information and education on MDT's MS4 program as well as links to MDT staff contacts. MDT's
	SWMP MS4 mans and other websites that provide resources for MDT's MS4 program
	The links for these sites were checked for accuracy. While links on the internet site were found to be
	up to date, a few of the links on MDT's intranet site were identified for updates. Documents that
	were not available electronically (e.g., audit reports and findings, procedure documents, etc.) were
	identified and scanned; they will be added to the intranet site in 2021. Additionally, contact
	information on both sites were identifying as needing updates. MDT is currently in the process of
	making the identified updates.
Impact on SWMP	Provide consistent preventative measures to ensure that construction and maintenance activities are
Effectiveness	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.

SWMP Activity or	Guidance Manuals and Educational	Public Forums
Component Name	Materials BMP-PEO-04.2	BMP-PPI-01
Minimum Control	Public Education and	Public Involvement/
Measure Name (If	Outreach on Storm	Participation
Applicable)	Water Impacts	
General Permit	II.B.1	II.B.2
Condition Item		
Number (If		
Applicable)		
Brief Description of	Work with the MDT Librarian to create a	Provide the public the opportunity to comment on
Planned SWMP	collection of storm water materials available for	storm water concerns through project public
Action Taken	education and training.	meetings, public notices, NEPA/MEPA process,
	_	and corridor study process.
Responsible	MDT, MS4 Coordinator	MDT, MS4 Coordinator, Project Development
Agency,		Engineers, public information personnel
Department, or		
Organization; and		
Person or Position		
Measurable Goal	Work with the MDT Librarian once per year to	Compliance with NEPA and MEPA is confirmed
or Performance	review MDT's educational materials related to	through audits. The results of these audits will be
Standard Utilized	storm water. This review will consist of	used to track this BMP throughout the permit
	verifying that the materials available at the	period.
	MDT library are accurate, adequate, and up to	
	date. New materials will then be acquired as	
	needed and allowed by budgetary constraints.	
Quantitative	The database of available material currently in	This year FHWA has not done an audit of NEPA
Indicators Used	place at MDT's library was reviewed.	compliance; however, public involvement
and Results	Adequate materials were found to be available	requirements were confirmed with the production
	for checkout by employees.	of an Environmental Certification Memo for all
		federal aid construction projects. MDT produces
	In addition, the "Education Resources" link on	these memos prior to federal funding as a self-
	the MDT internal MS4 page takes the viewer to	check that required environmental reviews
	the currently available library resources for	including public involvement have been
	storm water management as well as other MS4	conducted.
	education resources.	
Impact on SWMP	Provide consistent preventative measures to	Provide opportunities for the public to get
Effectiveness	ensure that construction and maintenance	involved and voice concerns early in the process.
	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.	

SWMP Activity or	Clean-up and Volunteer Events
Component Name	BMP-PPI-02
Minimum Control Measure	Public Involvement/
Name (If Applicable)	Participation
General Permit Condition	II.B.2
Item Number (If Applicable)	
Brief Description of Planned	Adopt-A-Highway is statewide program administered by MDT where volunteers sign a
SWMP Action Taken	contract to provide clean up services for a section of highway.
Responsible Agency,	MDT, Adopt-A-Highway program manager, MS4 Coordinator
Department, or	
Organization; and Person or	
Position	
Measurable Goal or	MDT will continue to offer the Adopt-a-Highway program. MDT's current goal for this
Performance Standard	BMP is to work with the Adopt-a-Highway program manager to assist in creating the
Utilized	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.
Quantitative Indicators Used	MDT's Adopt-a-Highway program is available and active. Organizations that adopt
and Results	MDT's roadways agree to pick up trash two (2) times per year. The total miles (sections)
	of adopted highway that either fall within or intersect the MS4 boundaries is <u>165</u> . Five new
	sections were added to the program in 2020. A breakdown of these miles by MS4 can be
	found below.
	Billings/Yellowstone County: 77 miles
	Bozeman: 8 miles
	Butte: 4 miles
	Great Falls: 17 (3 miles newly adopted during 2020)
	Helena: 12 miles
	Kalispell: 19 (2 miles added in 2020)
	Missoula: 28 miles
	<i>Note: Many volunteers across the state did not perform cleanups in 2020 due to COVID-19</i>
	concerns.
Impact on SWMP	Clean-up events offer the community an opportunity to participate in organized and formal
Effectiveness	activities to promote storm water awareness.

SWMP Activity or	Feedback
Component Name	BMP-PPI-03
Minimum Control Measure	Public Involvement/
Name (If Applicable)	Participation
General Permit Condition	II.B.2
Item Number (If Applicable)	
Brief Description of Planned	The public can provide feedback using several different methods. MDT will address this
SWMP Action Taken	feedback and incorporate the feedback where appropriate.
Responsible Agency,	MDT, MS4 Coordinator, and other MDT staff as applicable
Department, or	
Organization; and Person or	
Position	
Measurable Goal or	On MDT's social media site, the MS4 Coordinator will make at least four announcements
Performance Standard	per year. MDT will continue to solicit feedback through work group discussions, website
Utilized	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	In 2020, MDT posted three Facebook posts and five Instagram posts related to MS4. The
and Results	MDT Instagram account has 2,213 followers, and the MDT Facebook account has 36,504
	followers, a 9% increase from 2019. There was one post about Adopt a Highway, receiving
	6 "likes," and the remaining seven posts were about stormwater, receiving 187 "likes."
	Overall, MDT had 8 posts, up 100% from 2019, and 193 "likes," up 141% from the
	previous year. No comments were associated with these posts; thus, the only feedback
	mechanism was the increase in the "likes."
Impact on SWMP	Feedback ensures that MDT is developing an effective program that responds to the needs
Effectiveness	of its MS4 users.

SWMP Activity or	Storm Water System Mapping
Component Name	BMP-IDDE-01
Minimum Control	Illicit Discharge Detection and Elimination
Measure Name (If	
Applicable)	
General Permit	II.B.3
Condition Item	
Number (If	
Applicable)	
Brief Description	A statewide effort to map MDT's storm water system in MS4 areas.
of Planned SWMP	
Action Taken	
Responsible	MDT_MS4 Coordinator_DEES
Agency.	
Denartment or	
Organization: and	
Person or Position	
Measurable Goal	The statewide MS4 Coordinator will continue to undate each Small MS4 storm water system man on
or Performance	an annual basis and will make the undated mans available in electronic format upon request. These
Standard Utilized	MS4 maps will be available online in 2014 MDT will solicit information from cities and counties to
Stundar a Chillea	ensure that the information is as accurate as possible. MDT will also share new project information
	with co-permittees upon request. Undates 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 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 man our inlets, open channels
	subsurface conduits/pipes dry wells and other similar storm water conveyances
Quantitative	The 2014 MS4 maps are available on MDT's internet webpage at the following location:
Indicators Used	http://www.mdt.mt.gov/publications/mans.shtml#env. MDT is in the process of transitioning to
and Results	interactive MS4 mapping which is currently available for internal use. Undates to MS4 boundaries
and results	and storm water infrastructure manning occurred in 2020 with additional undates expected in 2021
	MDT intends to make this interactive manning available externally as well
	The relation of the second of
	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
	MDT currently has a term contract in place to obtain updated outfall mapping information. Field
	collection efforts were initiated in 2020 and will be continued into 2021. Concurrently with the outfall
	mapping support, a separate term contract to conduct mapping of inlets in each MS4 is underway.
	Inlet mapping field collection efforts for Helena and Butte were initiated in December 2021 These
	efforts will continue into 2021 and will incorporate the remaining MS4s (i.e. Bozeman Missoula
	Kalispell, Great Falls, Billings). Data collected will be incorporated into MDT's ArcGIS systems and
	will be readily retrievable to assist in MS4 reporting.
Impact on SWMP	A better understanding of the storm water infrastructure and the locations of each outfall that
Effectiveness	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
	I mai nave me menesi nisk of anecome water quanty.

SWMP Activity or	Dry Weather Screening
Component Name	BMP-IDDE-02
Minimum Control	IDDE
Measure Name (If	
Applicable)	
General Permit	II.B.3
Condition Item	
Number (If	
Applicable)	
Brief Description of	Monitoring of outfalls within the MDT jurisdiction by use of dry weather screening and visual
Planned SWMP	observation.
Action Taken	
Responsible Agency,	MDT, MS4 Coordinator, DEES, FSE, and Maintenance Staff
Department, or	
Organization: and	
Person or Position	
Measurable Goal or	The DEES is responsible for performing dry weather screening at each outfall once per permit
Performance	cycle. The information they gather will be used to update both the dry weather screening form
Standard Utilized	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	The 2020 dry weather screening campaign evaluated approximately 39% of all currently listed
Indicators Used and	MDT outfalls up from 29% in the previous year. The number of outfalls screened in 2020 by
Results	MS4 area are as follows:
ixesuits	Billings/Vellowstone County: 12 of 35 (34%)
	Bozeman: $4 \text{ of } 22 (18\%)$
	Great Falls: $6 \text{ of } 25 (24\%)$
	Kalispell: 7 of 19 (37%)
	Rutte: $3 \text{ of } 21 (14\%)$
	Miscoula: 29 of 35 (82%)
	Helena: $4 \text{ of } 8 (50\%)^*$
	*The total number of outfalls in Helena was undated to reflect the manning conducted in 2020
	The IDDE protocols are available on the MDT intranet site Additionally in 2020 MDT initiated
	additional IDDE program improvements, including development of Enforcement Response Plan
	and IDDE Corrective Action Plan as well as undates to dry weather screening process to evaluate
	outcomes. These documents are expected to be finalized in 2021 MDT's tracking spreadsheet is
	continuously undated as needed. As documented in the dry weather screening forms MDT
	documented notential illicit discharges at the following locations:
	- 08/10/20: The inspection of outfall K in Butte identified a risk of <i>potential</i> discharge via a slow
	drip under Harrison Avenue Bridge south bound lane, discharging into the south side of Silver
	Bow Creek The discharge was clear and had no odor possibly being infiltration or irrigation
	water Follow-up will occur in 2021 to confirm
	- 08/11/20: The inspection of outfall 42 in Helena identified a risk of <i>notential</i> discharge from a
	city or subdivision park or green space area. There was no odor present and the water was clear
	most likely a combination of stormwater seepage and irrigation water. Follow-up will occur in
	2021 to confirm.
	- 08/11/20: The inspection of outfall 43 in Helena identified a risk of <i>notential</i> discharge from a
	wetland area outside of the MDT ROW and to the west. There was no odor present and the water
	was clear, most likely a combination of stormwater seenage and irrigation water. Follow-up will
	occur in 2021 to confirm.
Impact on SWMP	Identifies illicit or illegal discharges that need to be eliminated
Effectiveness	

SWMP Activity or	Storm Water Ordinances
Component Name	BMP-IDDE-03
Minimum Control	IDDE
Measure Name (If	
Applicable)	
General Permit	II.B.3
Condition Item	
Number (If	
Applicable)	
Brief Description of	MDT will follow local ordinances, statutes, and regulations within the Small MS4s. MDT will notify
Planned SWMP	the proper enforcement authority available in the select Small MS4 that has an existing storm water
Action Taken	ordinance in place.
Responsible	MDT, MS4 Coordinator, DEES, and construction inspectors
Agency,	
Department, or	
Organization: and	
Person or Position	
Measurable Goal	MDT does not have legal authority to establish ordinances. As a result, it will rely on other
or Performance	governmental bodies to add ordinances and regulation to the existing standards that help eliminate
Standard Utilized	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.
Ouantitative	Local agreements were not renewed at the end of 2015 due to MDT's application for an individual
Indicators Used	MS4 permit. Management memo 03-01 is available on MDT's intranet site. In 2020 MDT initiated
and Results	additional IDDE program improvements, including development of Enforcement Response Plan and
	IDDE Corrective Action Plan. These documents are expected to be finalized in 2021.
	MDT coordinated with local authorities to address following spills:
	Great Falls MS4:
	- 1/29/20: City of Great Falls Environmental Dept received notification of water running into the
	roadway along 10th Ave. South near Teriyaki Madness. Teriyaki Madness had allowed wash water to
	leave their property and travel to the MDT ROW, nearing the storm drain. The City told the owner
	that they are not allowed to have commercial cleaning companies let wash water run into the storm
	drain. The City also followed up with the cleaning company.
	- 5/29/20: A fuel truck went off River Drive above Black Eagle dam and came to rest on Rivers Edge
	trail. There was no fuel in the haul tanks, but about 200 gallons of diesel spilled from the cab's tanks.
	Olympia cleaned the spill, removed the contaminated soil, and revegetated the area.
	MDT's environmental checklist that is part of approach and encroachment applications includes a
	question of whether the activity is in an MS4 boundary. Applications for projects located within MS4
	boundaries are to be reviewed by the Environmental Service Bureau. In 2020, ESB processed 36
	approach and encroachment permit applications within an MS4. Two additional encroachment permit
	applications within MS4s were not included in this review process but were approved by ESB
	management since they were intended to support MS4 program requirements. The tracking
	spreadsheet was updated to record the MS4 area in response to last year's comments to make it more
	retrievable.
Impact on SWMP	Provide statewide consistency for reporting illicit discharges.
Effectiveness	

SWMP Activity or	Public Education on IDDE
Component Name	BMP-IDDE-04
Minimum Control	IDDE
Measure Name (If	
Applicable)	
General Permit	II.B.3
Condition Item	
Number (If	
Applicable)	
Brief Description of	MDT currently provides information on possible illicit and illegal discharges in our printed education
Planned SWMP	material and on our website. MDT will continue to provide this information.
Action Taken	
Responsible	MDT, MS4 Coordinator, and other MDT staff
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	MDT will track, when possible, the number of calls, emails, or postings on MDT's social media sites.
or Performance	A reporting spreadsheet will be generated in 2014 by the MS4 Coordinator. Information provided
Standard Utilized	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 (i.e. Facebook) page.
	One of these posts will be related to IDDE.
Quantitative	MDT tracks the number of likes, shares, and comments on MDT's Facebook page. MDT's internet
Indicators Used	site provides information specific to IDDE and includes a link to contact the Department. The
and Results	current tracking spreadsheet has a tab for IDDE and is continuously being updated. IDDE-specific
	messages were posted on MDT's Facebook or Instagram pages in 2020.
Impact on SWMP	Provides information on reporting illicit discharges and the process for escalation.
Effectiveness	

SWMP Activity or	Training	Construction SWPPP
Component Name	BMP-IDDE-05	BMP-CSRC-01
Minimum Control	IDDE	Construction Site
Measure Name (If		Runoff Control
Applicable)		
General Permit	II.B.3	II.B.4
Condition Item		
Number (If		
Applicable)		
Brief Description of	Provide district personnel with IDDE training	At construction sites that are required to obtain an
Planned SWMP	specific to their job duties.	MPDES General Permit for Storm Water
Action Taken		Discharges associated with Construction Activity,
		the contractors must prepare a SWPPP.
Responsible	MDT, MS4 Coordinator, DEES	MDT, PDE
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	This training will be part of the IDDE Training	MDT continues to place a special provision in
or Performance	Program and will be performed annually for	project contracts that require contractors on
Standard Utilized	key personnel. MDT will track the date,	construction sites disturbing I acre or greater to
	location and employees trained each year as	adhere to the MPDES General Permit for Storm
	part of the IDDE Training Program at each	Water Discharges associated with Construction
	MS4. Success will be determined by ensuring	Activity. The measurable goal for the BMP is that
	up to date training material and employees	project contracts have the MPDES Special
Quantitativa	In 2020, the following IDDE training was	Provision.
Quantitative Indicators Used	nrovided to personnel.	In 2020, there were 21 construction projects
and Dosults	provided to personner.	awarded within MS4 boundaries.
and Results	Butte and Bozeman MS/s: 12/10/20 virtual	3 in Billings/Vellowstone County
	training provided to 35 construction personnel	1 in Bozeman
	a anning provided to 55 construction personner	1 in Butte
	Great Falls and Helena MS4s: 12/17/20 –	6 in Great Falls
	training material distributed to construction and	3 in Helena
	maintenance personnel.	1 in Kalispell
	1	6 in Missoula
	Billings/Yellowstone County MS4:	
	-12/17/20 - virtual training provided to the	It is standard operating procedure to include the
	eight EPMs	MPDES special provision in all contracts within
	-12/18/20 - virtual training provided to 11	an MS4. Contracts were reviewed and it was
	maintenance personnel	determined that all projects received the MPDES
		special provision.
	Missoula MS4 – 11/17/20 – virtual spill	
	response training provided to 37 maintenance	To ensure inclusion of this special provision
	personnel.	continues, MDT drafted MS4-specific guidance
		tor Plans, Specifications, and Estimates review to
	Kalispell MS4: 12/21/20 - IDDE training	ensure inclusion of MS4-required special
	provided to seven Kalispell maintenance	provisions into contract documents before projects
	personnel.	are let for advertising and construction. This
		distributed in 2021
Impost or SWMP	Provide a knowledgephic staff samphic of	Uniform inclusion of the MDDES area in the MDDES
Effectiveness	detecting and handling on illigit discharge	provision in MDT contracts machine requirements
Effectiveness	detecting and nanoning an inicit discharge.	provision in wid r contracts meeting requirements.

SWMP Activity or	MDT Environmental and Construction Oversight
Component Name	BMP-CSRC-02.1
Minimum Control	Construction Site Runoff Control
Measure Name (If	
Applicable)	
General Permit	II.B.4
Condition Item	
Number (If	
Applicable)	
Brief Description of	To provide environmental and construction oversight on MDT projects. To ensure compliance with
Planned SWMP	federal, tribal, state, and local laws.
Action Taken	
Responsible	MDT, DEES, and project personnel
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	This BMP will be measured by the number of inspections conducted during the permit period. In
or Performance	addition, deficiencies will be tracked by project, as well as the actions taken to remedy the issues.
Standard Utilized	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	The DEES inspected MDT projects within each MS4 in accordance with the February 2016 MS4
Indicators Used	Construction and Post-Construction DEES Inspection Procedures. Targeted inspection frequencies
and Results	are based on risk to water quality. The number of DEES' construction oversight inspections that
	occurred in each MIS4 area during 2020 are as follows:
	Dilling (Well-meters County 0
	Billings/ Y ellowstone County: 9
	Dutta 14
	Great Falls: 1
	Helena: 7
	Kalispell: 4
	Missoula: 46
	The Environmental Construction Inspection form was used to document these inspections
	Construction inspections are tracked in an excel spreadsheet: undates are ongoing. Of the total of 12
	projects requiring construction inspections, two projects did not receive inspections (one in Great
	Falls, one in Yellowstone County), thus 83% of projects were inspected.
Impact on SWMP	Environmental and construction oversight allows MDT to monitor a contractor's performance and
Effectiveness	helps ensure that federal, tribal, state, and local laws and regulations controlling pollution of the
	environment are followed.

SWMP Activity or	MDT Environmental and Construction Oversight
Component Name	BMP-CSRC-02.2
Minimum Control	Construction Site Runoff Control
Measure Name (If	
Applicable)	
General Permit	II.B.4
Condition Item	
Number (If	
Applicable)	
Brief Description of	To provide environmental and construction oversight on MDT projects. To ensure compliance with
Planned SWMP	federal, tribal, state, and local laws.
Action Taken	
Responsible	MDT, DEES, and project personnel
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	The DEES attend, send a designee, or communicate directly with the project manager prior to 100%
or Performance	of the pre-Construction conferences for construction projects within the Small MS4s.
Standard Utilized	
Quantitative	In 2020, the following pre-construction conferences for projects in MS4 areas occurred and were
Indicators Used	either attended by the DEES and/or comments were provided by the DEES to the Project Manager:
and Results	
	Billings/Yellowstone County MS4: - BBP – 5 Mile Road 1/6/20, SF-169 Billings District Safety
	Improvements 2/13/20, BBP – Yellowstone River Bridge 8/20/20, Main Street – Billings 12/9/20
	Missoula MS4: Steel Bridge Rehab - Corrosion 2/20/20, Old MT-200 Frazion Repair 6/26/20
	Reserve Street and I-90 Grant Creek Ramps 6/2/20, Higgins Ave Bridge Rehab 9/3/20. Attendance
	at the S 5 th & 6 th Street – Missoula and Clements/3 rd /Spdwav/Deer Cr pre-construction conference
	was not possible as it was also scheduled on $9/3/20$.
	1
	Butte MS4: Mount Highland Drive 4/21/20, I-15/I-90 Butte 6/12/20
	Kalispell MS4: Kalispell Concrete Rehab 6/29/20
	Helena MS4: SF 179 Euclid Ave Ped Improvements 4/8/20, Benton Avenue Path 8/3/20
	Seven additional contracts were let in the Great Falls and Helena MS4s; due to staff vacancies, however, tracking information for these contracts is not available.
	Of 16 total preconstruction meetings that were tracked, all but two preconstruction meetings were attended for an 88% attendance rate.
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.

SWMP Activity or	MDT Information Analysis
Component Name	BMP-CRSC-03
Minimum Control	Construction Site Runoff Control
Measure Name (If	
Applicable)	
General Permit	II.B.4
Condition Item	
Number (If	
Applicable)	
Brief Description of	Evaluate information gathered to improve awareness and enhance current programs.
Planned SWMP	
Action Taken	
Responsible	MDT, MS4 Coordinator, DEES
Agency,	
Department, or	
Organization; and	
Person or Position	
Measurable Goal	The MS4 Coordinator will attend five workgroup meetings per year. These meetings may be with co-
or Performance	permittees, other water quality groups, or MDT staff to discuss beneficial ways to improve storm
Standard Utilized	water quality. The DEES will attend at least one MDT maintenance section meeting per year for each
	Small MS4.
Quantitative	The MS4 Coordinator (SEES) position has been vacant since April 2019, so involvement in
Indicators Used	workgroup meetings did not occur. However, the Field Services Engineer has been tracking MDEQ's
and Results	Montana MS4 Working Group meetings and reviewing subcommittee agenda and meeting minutes
	throughout the year.
	The DEES provided training at MDT maintenance staff meetings on various stormwater topics
	including environmental permitting & MS4, IDDE, erosion control and BMPs, the new online
	SWPPP Administrator training, BMP repairs, and spill prevention. The maintenance staff meeting
	training events were as follows:
	Butte/Bozeman: 09/22/2020
	Missoula: 11/17/2020
	Great Falls/Helena: 12/17/2020
	Billings/Yellowstone County: 12/18/2020
	Kalispell: 12/21/20.
	Additionally, 25 maintenance personnel completed MD1s online classroom training and received
	$\frac{1}{1} = \frac{1}{1} = \frac{1}$
Impact On SWMP	I ne information will be used to improve awareness and enhance current programs by revising
Effectiveness	existing procedures.

SWMP Activity or	MDT Training	
Component Name	BMP-CSRC-04	
Minimum Control Measure	Construction Site Runoff Control	
Name (If Applicable)		
General Permit Condition	II.B.4	
Item Number (If Applicable)		
Brief Description of Planned	Provide trained staff responsible for the implementation, maintenance, and inspection of	
SWMP Action Taken	the storm water program. MDT personnel will be trained in the selection, implementation,	
	inspection and maintenance of storm water BMPs.	
Responsible Agency,	MDT, MS4 Coordinator, DEES	
Department, or		
Organization; and Person or		
Position		
Measurable Goal or	The MS4 Coordinator will maintain a log with the dates of MDT training sessions,	
Performance Standard	including the online SWPPP administrator certification. Names of attendees, their	
Utilized	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.	
Quantitative Indicators Used	MDT's new "MDT Classroom" for MDT maintenance personnel went live in November	
and Results	2019. Twenty-five maintenance personnel and 48 construction personnel participated in the	
	online SWPPP training in 2020. In addition, one new DEES attended BMP101 training in	
	2020, receiving SWPPP Administrator certification.	
	The DEES each attended and/or provided training materials in at least one EPM meeting in	
	their district and discussed storm water topics including SWPPP online training, BMPs,	
	and IDDE. The DEES attended their respective district EPM meetings on the following	
	dates:	
	Missoula District (Missoula, Kalispell MS4s) 12/10/20	
	Butte District (Bozeman, Butte MS4s) $- \frac{1}{6}/20, \frac{6}{1}/20, \frac{12}{10}/20$	
	Great Falls District (Great Falls, Helena MS4) – emailed information on $12/17/20$	
	Billings District (Billings/Yellowstone County MS4) - 12/18/20	
Impact On SWMP	MD1 personnel will be trained in the selection, implementation, inspection and	
Effectiveness	I maintenance of storm water BMPs.	
SWMP Activity or	Internal Project Administration	
------------------------------	---	--
Component Name	BMP-CSRC-05	
Minimum Control Measure	Construction Site Runoff Control	
Name (If Applicable)		
General Permit Condition	II.B.4	
Item Number (If Applicable)		
Brief Description of Planned	MDT will use contractual agreements to ensure that projects are constructed in a manner	
SWMP Action Taken	that complies with the Clean Water Act.	
Responsible Agency,	MDT, MS4 Coordinator, PDEs	
Department, or		
Organization; and Person or		
Position		
Measurable Goal or	MDT will include the MS4 special provision in 100% of contracts taking place in a Small	
Performance Standard	MS4. In 100% of the contracts in a Small MS4, MDT will include standard and/or special	
Utilized	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	In 2020, there were 21 construction projects awarded within MS4 boundaries.	
and Results		
	3 in Billings/Yellowstone County	
	1 in Bozeman	
	1 in Butte	
	6 in Great Falls	
	3 in Helena	
	1 in Kalispell	
	6 in Missoula	
	It is standard operating procedure to include the MS4 special provisions in all contracts	
	within an MS4. Contracts were reviewed, showing that all but three projects included the	
	MS4 special provision.	
	To ensure inclusion of this special provision in future contracts, MDT drafted MS4-specific	
	guidance for Plans, Specifications, and Estimates review to ensure inclusion of MS4-	
	required special provisions into contract documents before projects are let for advertising	
	and construction. This guidance is expected to be finalized and distributed in 2021.	
Impact On SWMP	Project will be constructed in a manner that complies with the Clean Water Act.	
Effectiveness		

SWMP Activity or	Plan Reviews	
Component Name	BMP-PCRC-01	
Minimum Control	Post-Construction Runoff in New Development and Redevelopment	
Measure Name (If		
Applicable)		
General Permit	II.B.5	
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT reviewers will verify that applicable federal, tribal, state and local laws and regulations are	
Planned SWMP	followed as required by the Small MS4 Program.	
Action Taken		
Responsible	MDT, MS4 Coordinator, PDEs	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	The measurable goal for this BMP will be for PDEs to review 100% of the plans within the Small	
or Performance	MS4s. When applicable, the PDEs will recommend to the design team incorporation of PESC/LID	
Standard Utilized	structures.	
Quantitative	To ensure 100% of the plans within Small MS4s consider incorporation of PESC measures, MDT's	
Indicators Used	design milestone report templates have been modified to include a specific section documenting	
and Results	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 and documentation of "development," "redevelopment," and	
	"practicability." This form is available on the MDT website at:	
	<u>http://www.mdt.mt.gov/otner/webdata/external/planning/forms/MDT-ENV-00/-</u>	
	Low_Impact_Development_Practice_Analysis.pdf	
	Twenty four MDT design projects within MS4 areas at various levels of project development	
	received LID analysis review in 2020. Although MDT's requirement is to incorporate LID practices	
	into the project design as "practicable " MDT and its contractors must also meet the LID	
	requirements of the MS4 where the project will occur	
Impact On SWMP	Verify that applicable federal tribal state and local laws and regulations are followed as required by	
Effectiveness	the Small MS4 Program.	

SWMP Activity or	Construction and Post-Construction Site Inspections	
Component Name	BMP-PCRC-02	
Minimum Control	Post-Construction Runoff in New Development and Redevelopment	
Measure Name (If		
Applicable)		
General Permit	II.B.5	
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT construction personnel inspect the features as they are being constructed to ensure that they are	
Planned SWMP	constructed according to the contract documents including the plans and specifications.	
Action Taken		
Responsible	MDT, DEES, Maintenance and Construction personnel	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT construction personnel will inspect structural (permanent) BMPs on 100% of projects in a	
or Performance	Small MS4. Before MDT assumes responsibility for a storm water permit from the Contractor, MDT	
Standard Utilized	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	In 2020, the DEES performed six final walkthroughs prior to transferring permit responsibilities from	
Indicators Used	the contractor to MDT or local entity.	
and Results		
	Billings/Yellowstone County MS4 – 4	
	Butte MS4 – 1	
	Missoula MS4 - 1	
Impact On SWMP	Ensures that features of projects are constructed according to the contract documents including the	
Effectiveness	plans and specifications.	

SWMP Activity or	Operation and Maintenance of BMPs	Reviewers and Inspectors Training
Component Name	BMP-PCRC-03	BMP-PCRC-04
Minimum Control	Post-Construction Runoff in New	Post-Construction Runoff in New Development and
Measure Name (If	Development and Redevelopment	Redevelopment
Applicable)		
General Permit	II.B.5	II.B.5
Condition Item		
Number (If		
Applicable)		
Brief Description of	Evaluate MDT Operation and Maintenance	MDT will provide training and guidance material to
Planned SWMP	Program to ensure being conducted in an	its employees on environmental compliance and storm
Action Taken	effective manner.	water BMPs.
Responsible	MDT, DEES, Maintenance personnel	MDT, MS4 Coordinator, DEES
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	Records of the current MDT Operation and	MDT will continue to provide training to its
or Performance	Maintenance Program will be reviewed and	employees on environmental compliance and storm
Standard Utilized	evaluated to ensure that the O&M of BMPs	water BMPs. Educational programs and specialized
	is being conducted in an effective manner.	training will continue to be made available for
	The evaluation of the Program will be	individuals involved in the plan review process and
	tailored to each MS4 area. Facilities	for inspection personnel. The MDT-provided training
	managed by other entities (i.e., county or	and education programs attended by MDT personnel
	city) will be their sole responsibility.	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
Quantitativa	No formal recommendations were created	Using MDT's on line SWDDD Administrator and
Indicators Used	for the Ω & M program. It has been	Water Dermitting/BMD training program 19
and Desults	determined that records for O & M program	water refiniting/blvrr training program, 40
and Results	are not specifically broken out in the	respect the SWDDD Training in 2020
	maintenance management system. This	passed the SwFFF Training in 2020.
	BMD is difficult to implement and will	
	continue to be evaluated in 2021 for process	
	improvements	
Impact On SWMP	Opportunity to ensure an accurate RMP	Provide educated staff
Effectiveness	installation and to use the information	
LIICUIVIICOS	gathered in evaluating improvements in	
	future BMP installations or maintenance	
	activities.	

SWMP Activity or	Low Impact Development Approach	
Component Name	BMP-PCRC-05	
Minimum Control	Post-Construction Runoff in New Development and Redevelopment	
Measure Name (If		
Applicable)		
General Permit	II.B.5	
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT will attempt to incorporate LID techniques where practicable in MDT projects and at its	
Planned SWMP	facilities within the MS4 areas when upgrades to the facilities are implemented and new or	
Action Taken	redevelopment takes place.	
Responsible	MDT, MS4 Coordinator, PDEs	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	For road construction projects in MS4 areas, MD1 will evaluate 100% of designs for the potential of	
or Performance	incorporating LID techniques. When the requirements are triggered (i.e., a new development or	
Standard Utilized	the lead on this offert and will may ide date to the MSA Coordinator for treating	
	the lead on this errort and will provide data to the W134 Coordinator for tracking.	
	For "state actions" at MDT facilities within Small MSA 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 LID opportunities will be explored PDFs 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.	
Quantitative	For road construction projects in MS4 areas, the LID Practices Analysis process and form was	
Indicators Used	created for statewide use by the PDEs. The form provides uniformity of the LID analyses to ensure	
and Results	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. Twenty-four MDT design projects within MS4	
	areas at various levels of project development received LID Analysis review in 2020. Although	
	MD1's requirement is to incorporate LID practices into the project design as "practicable," MD1 and	
	its contractors must also meet the LID requirements of the MS4 where the project will occur.	
	En mart hur et en la mart hanne it en liestione mithie Small MS4 anne after the development	
	For encroachment and approach permit applications within Small MS4 areas, after the development	
	of the Swivir and this commitment, it was determined that its inappropriate for MD1 to evaluate the	
	LID protices Instead all encroachment and approach permit applications have an impacts analysis	
	documented in an Environmental Checklist (ENV 006) that are reviewed by the DDEs. DDEs include	
	a stigulation 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	
Imnact On SWMP	Incorporation of PESC/LID measures where practicable	
Effectiveness		
	1	

SWMP Activity	Ordinances and Storm Water Design Criteria	Vegetation Management Program
or Component	BMP-PCRC-06	BMP-PCRC-07
Name		
Minimum	Post-Construction Runoff in New Development and	Post-Construction Runoff in New
Control Measure	Redevelopment	Development and Redevelopment
Name (If		
Applicable)		
General Permit	II.B.5	II.B.5
Condition Item		
Number (If		
Applicable)		
Brief Description	MDT does not have the authority to write ordinances or	Evaluate projects within Small MS4s that
of Planned	requirements for storm water design criteria on non-	have open SWPPP permits for use of federal
SWMP Action	MDT proposed projects. MDT can and does enforce	funds to conduct further revegetation that
Taken	MDT standards on MDT projects. MDT follows	promotes closure of the SWPPP plans.
	applicable federal, tribal, state and local laws and	
	regulations within the Small MS4s.	
Responsible	MDT, MS4 Coordinator, PDEs, DEES	MDT, DEES, Botanist
Agency,		
Department, or		
Organization;		
and Person or		
Position		
Measurable Goal	MDT will continue to follow federal, tribal, state and	This BMP will be measured by comparing
or Performance	local laws and regulation and design standards. MDT	projects within the Small MS4s with open
Standard Utilized	will maintain and follow its design criteria for PESC	SWPPP permits. A determination will be
	and LID measures or seek formalized design	made if improvement to the control of storm
	exceptions for 100% of our projects within Small	water run-off, and infiltration can be
	MS4s.	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	MDT projects currently being designed within the MS4	In 2020, no projects were identified within
Indicators Used	Area are undergoing continuous PESC/LID evaluation	MS4 Areas as needing vegetation
and Results	in accordance with the MS4 permit.	improvement with the Federal Revegetation
		Management Program.
	Twenty-four MDT design projects within MS4 areas at	
	various levels of project development received LID	
	Analysis review in 2020.	
Impact On	Ensures compliance with all applicable laws,	Promotes effective stabilization and closure
SWMP	regulations and design standards.	of SWPPPs.
Effectiveness		

SWMP Activity	Training		
or Component	BMP-PPGH-01.1		
Name			
Minimum Control	Pollution Prevention / Good Housekeeping		
Measure Name (If			
Applicable)			
General Permit	ILB.6		
Condition Item			
Number (If			
Applicable)			
Brief Description	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities		
of Planned	regarding the implementation of the Statewide SWMP SWPPPs FPPPs and the SPCC Plans		
SWMP Action			
Taken			
Responsible	MDT, MS4 Coordinator, DEES		
Agency.			
Department, or			
Organization: and			
Person or Position			
Measurable Goal	a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance staff		
or Performance	performing SWPPP inspections in Small MS4s comply with the construction general permit and will		
Standard Utilized	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 an MDT Certified		
	SWPPP Administrator.		
	b) This BMP will be measured by ensuring that 100% of the Maintenance staff performing site-		
	specific FPPP inspections in MS4s have site specific FPPP training. Records will be kept of personnel		
	who have received training on the site-specific FPPP inspection procedures.		
	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.		
	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.		
Quantitative	a) MDT staff performing SWPPP inspections have completed SWPPP administrator training. MDT		
Indicators Used	updated its online SWPPP Administrator training for MDT maintenance personnel in November 2019.		
and Results	Twenty-five maintenance personnel participated in and successfully completed these online courses		
	training in 2020. Additionally, one new DEES attended BMP 101 and 201 trainings in 2020, receiving		
	SWPPP Administrator certification.		
	b) Maintenance personnel performing FPPP inspections have received site-specific FPPP training.		
	New maintenance personnel in Helena received on-site FPPP training from DEES on 3/10/2020. In		
	December 2020, MDT drafted a formal FPPP Update and Training procedure to ensure FPPPs are		
	formally updated on a routine basis and that maintenance personnel receive storm water training		
	specific to each facility.		
	c) The DEES each attended and/or provided training materials for at least one EPM meeting in their		
	district. Topics included erosion control BMPs, new online training, revegetation, IDDE, BMP		
	maintenance and removal. The DEES attended their respective district EPM meetings on the following		
	dates:		
	D = 1D + MCA = 1/(2000 - C/17/2000 - 10/10/2000)		
	- Bozeman and Butte MS4s – $1/0/2020$, $0/1//2020$, $12/10/2020$		
	- IVIISSOUIA AND KAIISPEIL MIS4s - $12/10/20$		
	- Great Falls and Helena MS4s – emailed training materials $12/17/20$		
	- Billings and Yellowstone County MS4s - 12/1//20		
1			

	d) The DEES provided training at MDT maintenance staff meetings and for individual maintenance	
	staff on various stormwater topics including erosion control and BMPs, new online training, stream	
	permitting, SWPPP training and BMP repairs, and steps towards final stabilization. The DEES	
	attended their respective district maintenance section meetings and provided training on the following	
	dates:	
	Bozeman MS4: 9/22/2020 provided environmental permitting overview	
	Missoula MS4: 11/17/20 provided spill prevention and response training	
	Great Falls MS4: 12/17/20 emailed IDDE training presentation	
	Billings/Yellowstone Co. MS4 – 12/18/2020 provided IDDE training presentation	
	Kalispell MS4s – 11/17/2020 provided spill prevention and response training	
	Helena 3/10/2020 provided onsite training for new FPPP Inspector for Helena York Wye and Helena	
	Maintenance MS4 FPPP sites	
Impact On	To have educated staff regarding storm water characteristics, water quality issues, and individual	
SWMP	responsibilities regarding the implementation of the Statewide SWMP, the FPPPs, and SPCC Plans.	
Effectiveness		

SWMP Activity or	Training	
Component Name	BMP-PPGH-01.2	
Minimum Control	Pollution Prevention / Good Housekeeping	
Measure Name (If		
Applicable)		
General Permit	II.B.6	
Condition Item		
Number (If		
Applicable)		
Brief Description	Educate staff regarding storm water characteristics, water quality issues, and individual	
of Planned SWMP	responsibilities regarding the implementation of the Statewide SWMP, SWPPPs, FPPPs, and the	
Action Taken	SPCC Plans.	
Responsible	MDT, MS4 Coordinator, DEES	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	a) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will	
or Performance	attend at least one quarterly DCE meeting per year and provide information related to MDT's overall	
Standard Utilized	storm water management program, including MS4 issues.	
	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.	
	c) As previously identified, several MDT facilities in MS4 areas fall under the 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.	
	d) As previously described, MDT is working to develop site-specific FPPPs for MDT facilities within	
	MS4 areas that currently do not have FPPPs. Training is offered on each site specific FPPP 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.	
Quantitative	a) Neither the Environmental Engineering Section Supervisor nor the FSE attended a DCE meeting in	
Indicators Used	2020. However, MDT's Reclamation Specialist provided a brief presentation at the 1/8/20 meeting to	
and Results	discuss seeding window and the Environmental Services Bureau Chief provided an IDDE training	
	slide presentation to the DCE staff in December 2020, requesting attendance at a 2021 meeting.	
	b) Neither the Environmental Engineering Section Supervisor nor the FSE attended a Maintenance	
	Chiefs meeting in 2020. However, the Environmental Services Bureau Chief provided an IDDE	
	training slide presentation to the Maintenance Chiefs in December 2020, requesting attendance at a	
	2021 meeting.	
	c) SPCC Training occurred in Billings, Bozeman, Butte, Great Falls, Kalispell, and Missoula and	
	review of the SPCC plans at MDT facilities occurred per SPCC requirements. There were no updates	
	to the SPCC plans in 2020.	
	a) All MD1 facilities located in MS4s have FPPPs implemented that address storm water controls. In	
	December 2020, MD1 dratted a formal FPPP Update and Training procedure to ensure FPPPs are	
	formally updated on a routine basis and that maintenance personnel receive storm water training	
	specific to each facility.	
Impact On SWMP	10 nave educated staff regarding storm water characteristics, water quality issues, and individual	
Ellectiveness	responsionities regarding the implementation of the Statewide SWMP, SWPPPs, and SPCCs.	

SWMP Activity or	Periodic SWPPP and SPCC Plan Inspections	
Component Name	BMP-PPGH-02	
Minimum Control	Pollution Prevention / Good Housekeeping	
Measure Name (If		
Applicable)		
General Permit	II.B.6	
Condition Item		
Number (If		
Applicable)		
Brief Description	MDT will perform site inspections for MDT facilities within the Small MS4s with FPPP and SPCC	
of Planned SWMP	plans on the time basis documented in the SWMP.	
Action Taken		
Responsible	MDT, MS4 Coordinator, DEES, Maintenance staff	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	The DEES and MS4 Coordinator will analyze the FPPP inspection forms on a yearly basis to evaluate	
or Performance	opportunities to improve and deal with identified deficiencies. In some cases, funds will have to be	
Standard Utilized	secured to improve the current infrastructure and might require several years before the BMP can be	
	fully implemented.	
Quantitative	The monthly FPPP inspection reports for each of the MDT facilities located in MS4s are compiled in	
Indicators Used	an annual summary reporting form. An initial review of this form takes place in January of each year	
and Results	and is used to determine if there are opportunities for improvement. The Environmental Engineering	
	Section Supervisor and Field Services Engineer are currently evaluating 2020 annual FPPP reviews	
	and will be identifying BMP funding priorities for 2021.	
Impact On SWMP	Identify potential opportunities for improvements and small procedural changes that could positively	
Effectiveness	impact potential storm water contamination.	

Appendix O – Summary of Activities and Descriptions of SWMP Effectiveness During Past Year

SWMP Activity or	Road and Parking Sweeping	
Component Name	BMP-PPGH-03	
Minimum Control	Pollution Prevention / Good Housekeeping	
Measure Name (If		
Applicable)		
General Permit	II.B.6	
Condition Item		
Number (If		
Applicable)		
Brief Description of	Implement a Street Sweeping Program that encompasses the streets and roadways, the maintenance	
Planned SWMP	yards and parking areas within its facilities. The street sweeping frequency depends on need and	
Action Taken	travel volumes. Sweepers also respond to certain types of spills that require clean-up work.	
Responsible	MDT, Maintenance Staff	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT's goal for the street sweeping program is to sweep 100% of the facilities and MDT maintained	
or Performance	roads that are within our permitted Small MS4s a minimum of one time per year.	
Standard Utilized		
Quantitative	MDT swept 100% of the MDT facilities and MDT maintained roads within the Small MS4s a	
Indicators Used	minimum of once in 2020. The breakdown obtained from MDT Maintenance Division for miles	
and Results	swept in each MS4 is as follows:	
	Missen1-*- 500 miles	
	Vilssoula*: 590 miles	
	Ranspell: 391 miles	
	Dutte: 04 miles	
	Bozenian': 50 miles	
	Under Fails: 270 miles	
	Billings and Vellowstone County: 304 miles	
	Dinnigs and Tenowstone County. 504 miles	
	*Note: MDT has contracted with the City of Missoula for sweeping on Broadway (Reserve to F	
	Missoula) Reserve Higgins 39 th and Brooks Bozeman has an agreement with the City of Bozeman	
	to do most of the sweening	
Impact On SWMP	Remove pollutants from entering water ways	
Effectiveness	reme e penalana nom entering water ways.	

SWMP Activity or	Road and Parking Area Maintenance	Winter Maintenance Program
Component Name	BMP-PPGH-04	BMP-PPGH-05
Minimum Control	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
Measure Name (If		
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description	MDT will follow its Roadway / Roadside	MDT will evaluate the Winter Maintenance Program
of Planned SWMP	Maintenance Program to maintain roadways /	for feasible ways to transition to more
Action Taken	roadsides for safety, to protect the	environmentally friendly methods.
	environment, and to maintain a pleasing	
	aesthetics in a functional manner.	
Responsible	MDT, MS4 Coordinator, DEES, Maintenance	MDT, MS4 Coordinator, Maintenance Chiefs
Agency,	Staff	
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will evaluate current practices used	MDT will evaluate the current procedures described
or Performance	during maintenance and operational activities	in the Winter Maintenance Program and if necessary,
Standard Utilized	to determine if modifications to these	revise the existing manuals to reduce the potential of
	practices are warranted to minimize storm	pollutants being discharged into the environment and
	water pollutants reaching water ways The	consequently into waterways. The evaluation will be
	evaluation of BMPs and procedures as well as	performed during the permit period and revisions to
	suggestions will be documented to determine	the manuals will be posted on the MDT intranet
	the best course of action to implement	the manadus will be posted on the MD I mituhet.
	improvements as the measurable goal for this	
	BMD Cost asso of implementation and risk	
	and henefit analysis will be taken into account	
	and benefit analysis will be taken into account	
Orrentitetine	MDT	MDT Maintenance Disision is continuing (1
Quantitative	MDT continued to maintain roadways	MD1 Maintenance Division is continuing the
Indicators Used	throughout 2020 to ensure safe passage while	process of updating the Maintenance Manual. ESB
and Results	protecting the environment. MD1 will	Management has contributed information to this
	continue to evaluate the BMP to identify a	update. The updates were not yet finalized in 2020.
	systematic approach to gathering and	
	reviewing the maintenance information.	
Impact On SWMP	Allow for improvements in the program	Small changes to these activities will have positive
Effectiveness	where practicable.	impacts in reducing potential contaminants that
		could be transported into state waterways.

SWMP Activity or	Recycling Activities	Vehicle Washing
Component Name	BMP-PPGH-06	BMP-PPGH-07
Minimum Control	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
Measure Name (If		
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description	MDT has several recycling programs in	To evaluate the vehicle wash areas and procedures to
of Planned SWMP	place at the maintenance facilities within	minimize discharge of pollutants into surface water.
Action Taken	the Small MS4s. These programs will	
	continue to be offered.	
Responsible	MDT, MS4 Coordinator, DEES,	MDT, MS4 Coordinator, DEES, Maintenance Staff
Agency,	Maintenance staff	
Department, or		
Urganization; and		
Person or Position		
Measurable Goal	MD1 will continue to recycle and burn the	MD1 will evaluate each maintenance facility for short-
or Performance	used oil to heat select MD1 facilities.	term improvements (e.g., sweeping area at the end of the
Standard Utilized	MDT will also continue to recycle scrap	snill) and long-term improvement (e.g. a new wash
	and unused metal through the recycling	bay). The short-term improvements will be implemented
	MDT has created EPPPs that provide	will require additional planning and funding. In 2013
	guidelines to help make the storage of the	MDT completed one long-term goal of constructing an
	recycled materials storm water runoff safe	updated wash hav at the Missoula MDT maintenance
	MDT will be inspecting the facilities on a	facility canable of appropriately disposing of wash
	monthly basis to ensure the recycled	water MDT currently has funding available to hire a
	materials are being stored in a manner that	consultant in 2014 to design new wash have for MDT
	protects storm water runoff.	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	MDT facilities recycled paint, metals and	In 2016, MDT Environmental budgeted funds for use in
Indicators Used	used oils in 2020. All state agencies are	building wash bays at the Great Falls and Billings
and Results	mandated to recycle scrap metal using a	maintenance facilities. The Great Falls wash bay was
	DOA contract with Pacific Steel and	completed in 2018. Construction of the Billings wash
	Recycling. FPPP updates, training, and	bay continues to be delayed due to geotechnical
	inspections include storage areas for both	concerns. Short-term and long-term facility
	recycled materials and used oil. MDT	improvement recommendations have been documented
	facilities were inspected monthly in 2020	in annual FPPP review forms and shared with
	with the following exceptions: the	maintenance.
	September and October 2019 FPPP	
	inspections for the Helena Campus were	
	missed. Additional staff reminders, as	
	well as consultant support, has been	
	implemented in order to ensure future	
	inspections are conducted monthly.	
Impact On SWMP	Recycling of motor oil as well as unusable	Minimizes the potential discharge of pollutants into
Litectiveness	or scrap metal reduces potential pollutant	surface waters.
	discharges while encouraging the proper	
	disposal of these materials.	

SWMP Activity or	Hazardous Waste Handling Material Management	
Component Name	BMP-PPGH-08	BMP-PPGH-09
Minimum Control	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
Measure Name (If		
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description	Limit the amount and type of hazardous	MDT will continue to stockpile and store materials,
of Planned SWMP	materials on MDT sites, how and where	such as oils and deicing materials, in a manner to
Action Taken	they are stored, and who has access to them.	reduce the likelihood of accidental spills or release
	5	hazardous materials into the storm water system.
Responsible	MDT. MS4 Coordinator, DEES.	MDT, MS4 Coordinator, DEES, Hazmat section, and
Agency.	Maintenance staff	Maintenance staff
Department. or		
Organization: and		
Person or Position		
Measurable Coal	MDT will continue to ensure that its staff is	MDT will review existing storage procedures to ensure
or Parformanca	following the proper procedures when	they are current and effective Revisions will be posted
Standard Utilized	handling and staring hazardous materials	and amployage will be made aware of the abanges
Stanuaru Utilizeu	and any well informed of the type and	This DMD will be measured by the number of smills
	and are well informed of the type and	This BMP will be measured by the number of spins
	potential dangers associated with each	that are reported within a permit period as required by
	chemical. SDSs are available at each	the FPPP and SPCC Plans. The main goal is to
	facility within the MS4 and staff comply	eliminate spills and have zero reported spills during the
	with the requirements of the SPCC Plans	permit period. If a spill is reported within a permit
	including monthly site inspections. MDT	period, corrective actions will be taken to remedy the
	will evaluate the plans as revised by federal	spill and preventive measures will be put into place to
	and state regulations. Staff will complete	prevent the spills from reoccurring.
	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.	
Quantitative	In 2020, MDT maintained the status of	In 2020, no spills at MDT maintenance facilities in
Indicators Used	conditionally exempt at MDT facilities in	MS4 areas triggered reporting requirements as outlined
and Results	MS4 areas.	in either the FPPP or SPCC.
Impact On SWMP	Limits types and amounts of hazardous	These practices are measures that help prevent
Effectiveness	materials located at MDT facilities	contaminants from entering the storm water system and
		consequently pollute surface water.

SWMP Activity or	Storm Drain System Cleaning and	Develop SWPPPs and Updates to SWPPPs
Component Name	Maintenance BMP-PPGH-010	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 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 FPPPs as conditions change regarding design, construction, operation, or maintenance at different facilities. The changes will be recorded in the Amendment Record Log included in each FPPP. 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 FPPPs, 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 FPPP inspection forms at the currently existing FPPP locations. FPPP 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 monthly FPPP inspections at MDT facilities within MS4 areas in 2020 with the following exceptions: the September and October 2019 FPPP inspections for the Helena Campus were missed. Additional staff reminders, as well as consultant support, has been implemented in order to ensure future inspections are conducted monthly. This BMP will continue to be evaluated to determine a better systematic approach to gather and review information.	 All MDT facilities within MS4 boundaries have a FPPP. These facilities were inspected monthly in 2020 with the following exceptions: the September and October 2019 FPPP inspections for the Helena Campus were missed. Additional staff reminders, as well as consultant support, has been implemented in order to ensure future inspections are conducted monthly. Additionally, the DEES conducted annual FPPP reviews for maintenance 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. The Environmental Engineering Section Supervisor and Field Services Engineer are currently evaluating 2020 annual FPPP reviews and will be identifying BMP funding priorities for 2021.

Appendix O – Summary of Activities and Descriptions of SWMP Effectiveness During Past Year

		In December 2020, MDT drafted a formal FPPP Update and Training procedure to ensure FPPPs are formally updated on a routine basis and that maintenance personnel receive storm
		water training specific to each facility.
Impact On SWMP	Maintain existing MDT system	Ensure uniform inspections of all MDT facilities within MS4
Effectiveness	capacity and improve water quality.	areas.

APPENDIX P

ADDITIONAL DETAILED INFORMATION: PLANNED ACTIVITES AND CHANGE DURING NEXT YEAR

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 new permit conditions and to further aid in MDT's continued improvement in environmental performance related to water quality. Opportunities for improvement that are identified below may be further adjusted once the MPDES permit is issued.

SWMP Activity or	Printed Media	Web Sites and Social Media Sites BMP-PEO-02
Component Name	BMP-PEO-01	
Minimum Control	Public Education and	Public Education and
Measure Name (If	Outreach on Storm	Outreach on Storm
Applicable)	Water Impacts	Water Impacts
General Permit	II.B.1	II.B.1
Condition Item		
Number (If		
Applicable)		
Brief Description	Make printed media available to the	Post storm water specific information on MDT online
of Planned SWMP	public.	sources including MDT Intranet (for MDT employees),
Action Taken		MDT internet (for roadway users), and Facebook (for
		roadway users).
Responsible	MDT, MS4 Coordinator, Public Info	MDT, MS4 Coordinator
Agency,	Officer, DEES	
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will track, in a spreadsheet, the	This BMP will be measured by several means. First,
or Performance	printed media types that were generated,	the amount of feedback received from the Montana
Standard Utilized	the number of brochures, pamphlets, and	MS4 website, which has a link to allow comments to
	other printed media distributed as well as	be emailed to MDT, will be tracked. The MDT MS4
	the dates and locations where the printed	Coordinator will post at least four status updates
	media was handed out. At the end of the	related to storm water, water quality, and other MS4
	permit period, the MS4 Coordinator will	issues on the MDT social media site (i.e. Facebook)
	compile the information recorded. MDT	each year. This BMP will be measured by the number
	will distribute 5% more printed	of subscribers to the MDT site and by the "likes" and
	educational material than the prior year. A	"comments" associated with the posts. This BMP will
	MS4 related article will post once a year in	also be measured by the continued development of the
	MDT's Rail, Transit & Planning Division	MDT internal MS4 website during the year 2014.
	newsletter the 'Newsline'.	
Opportunity for	As noted in previous annual reports and	-Additional posts will be developed specific to IDDE,
Improvement	continuing in 2021, MDT is focusing less	winter maintenance practices, and stormwater control.
	on printed material and more on social	-MDT's MS4 intranet page will be updated to include
	media interactions. This BMP is being	additional storm water resources, recent training
	phased out.	presentations, audit results, and a catalog of previous
		Facebook and Instagram posts.

SWMP Activity or	Public Events	Guidance Manuals and Educational Materials
Component Name	BMP-PEO-03	BMP-PEO-04.1
Minimum Control	Public Education and	Public Education and
Measure Name (If	Outreach on Storm	Outreach on Storm
Applicable)	Water Impacts	Water Impacts
General Permit	II.B.1	II.B.1
Condition Item		
Number (If		
Applicable)		
Brief Description	To reach target audiences by providing or	Make a variety of guidance manuals and educational
of Planned SWMP	sponsoring presentations in schools and	materials accessible through the MDT website.
Action Taken	universities, conferences, retirement	
	communities, civic clubs, libraries,	
D	businesses, and association meetings.	
Kesponsible	MD1, MS4 Coordinator, Public Info	MD1, MS4 Coordinator, DEES
Agency,	Officer, DEES	
Department, or		
Drgamzation; and		
Massurable Coal	MDT'a Statewide MS4 Coordinator will	In 2014, a link will be added to the Montane MS4
Measurable Goal	MD1 S Statewide M34 Cooldinator will	m 2014, a mik will be added to the Molliana MS4
Standard Utilized	year to promote the Statewide MDT MS4	MDT's guidance and educational manuals. The first
Stanuaru Otnizcu	Program In addition the DEES will attend	measurable goal will be to perform an annual review
	at least one public event each year to	by the MS4 Coordinator of the internal and external
	promote the storm water management	MDT websites to verify that the links to the reference
	program efforts in each MS4 area. Events	materials are accurate and up to date.
	may include storm water conferences,	1
	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	MDT is striving for higher efficiency in	MDT will continue to focus efforts on maintaining and
Improvement	MS4 outreach and education efforts by	updating its MS4 intranet page, stormwater internet
	streamlining MS4-related messages to	page, and social media presence.
	audiences that have an impact on MDT	
	stormwater quality in MS4 areas, such as	
	MD1 staff, contractors, developers, and	
	transient roadway users. The use of virtual	
	meetings will be evaluated as a means to	
	increase participation in outreach events.	

SWMP Activity or Component Name	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 Involvement/ Participation	Public Involvement/ Participation
General Permit Condition Item Number (If Applicable)	II.B.1	II.B.2	II.B.2
Brief Description of Planned SWMP Action Taken	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	MDT, MS4 Coordinator, DEES, public information personnel	MDT, Adopt-A-Highway program manager, MS4 Coordinator
Measurable Goal or Performance Standard Utilized	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.	MDT will continue to offer the Adopt-a-Highway 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 Adopt-a-Highway 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.
Opportunity for Improvement	MDT will continue progress on this control measure.	MDT will encourage FHWA to select more projects in MS4 areas to assess this BMP.	MDT will review the current Adopt-a-Highway tracking to identify improvements.

SWMP Activity	Feedback	Storm Water System Mapping
or Component	BMP-PPI-03	BMP-IDDE-01
Name		
Minimum Control	Public Involvement/	Illicit Discharge Detection and Elimination (IDDE)
Measure Name (If	Participation	
Applicable)	1	
General Permit	II.B.2	II.B.3
Condition Item		
Number (If		
Applicable)		
Brief Description	The public can provide feedback using	A statewide effort to map MDT's storm water system.
of Planned	several different methods. MDT will	
SWMP Action	address this feedback and incorporate	
Taken	the feedback where appropriate.	
Responsible	MDT, MS4 Coordinator, and other	MDT, MS4 Coordinator, DEES
Agency,	MDT Staff as applicable	
Department, or		
Organization; and		
Person or Position		
Measurable Goal	On MDT's social media sites, the MS4	The statewide MS4 Coordinator will continue to update each
or Performance	Coordinator will make at least four	Small MS4 storm water system map on an annual basis and
Standard Utilized	announcements per year. MD1 will	will make the updated maps available in electronic format
	continue to solicit feedback through	upon request. These Small MS4 maps will be available
	work group discussions, website	online in 2014. MDT will solicit information from cities and
	comments, phone cans, written e-mails	counties to ensure that the information is as accurate as
	surveys public comment periods and	co permittees upon request. Undates include areas of new
	personal interactions. The MS4	development or infrastructure improvements as well as
	Coordinator will use a spreadsheet to	those areas where new information becomes available during
	keen track of the amount and type of	maintenance activities. In addition MDT will revise the
	feedback received The MS4	Small MS4 boundaries based on city limit changes and
	Coordinator will evaluate the BMPs	census information on a yearly basis if these two items have
	progress based on the amount and type	changed. This BMP's success will be based on the MS4
	of feedback received via available	maps being updated with new information, and 25% of inlets
	sources. The MS4 Coordinator will	being mapped in 2014. Over the permit cycle starting in
	use the feedback received to create	2015, MDT will collect and map our inlets, open channels,
	updates and revisions to the storm	and subsurface conduits/pipes, dry wells, and other similar
	water program on an as needed basis	storm water conveyances.
	to increase the amount of feedback and	
	public interaction received.	
Opportunity for	MDT will continue progress on this	MDT is focused on confirming and updating outlet mapping
Improvement	control measure. New Facebook and	under MDT control through a term contract that began 2016.
	Instagram messages will be tailored to	In 2021, MDT will continue the process of confirming and
	request specific feedback on	updating maps of outfalls, inlets, open channels, and
	stormwater impacts and controls	subsurface conduits/pipes, drywells and other similar storm
	related to MDT's facilities.	water conveyances.
		Additionally, MDT will finalize the draft MS4 Mapping
		Update Procedure intended to address changes to MS4
		boundaries and storm water infrastructure, as well as
		designation of MD1 outfalls.

SWMP Activity	Dry Weather Screening	Storm Water Ordinances
or Component	BMP-IDDE-02	BMP-IDDE-03
Name		
Minimum Control	IDDE	IDDE
Measure Name (If		
Applicable)		
General Permit	II.B.3	II.B.3
Condition Item		
Number (If		
Applicable)		
Brief Description	Monitoring of outfalls within the	MDT will follow local ordinances, statutes, and regulations
of Planned	MDT jurisdiction by use of both dry	within the Small MS4s. MDT will notify the proper
SWMP Action	weather screening and visual	enforcement authority available in the select Small MS4 that
Taken	observation.	has an existing storm water ordinance in place.
Responsible	MDT. MS4 Coordinator, DEES FSE	MDT, MS4 Coordinator, DEES, and construction inspectors
Ageney.	and Maintenance Staff	
Department. or	una munitenunee sturr	
Organization: and		
Person or Position		
Measurable Goal	The DEES is responsible for	Because MDT does not have legal authority to establish
or Performance	performing the dry weather screening	ordinances, it will rely on other governmental bodies to add
Standard Utilized	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	ordinances, it will felly 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.
Opportunity for Improvement	In 2021, MDT will finalize updates to the MS4 dry weather screening process to include an evaluation of the dry weather screening outcomes (i.e. identify trends and high priority areas).	In 2021, MDT intends to finalize an Enforcement Response Plan and IDDE Corrective Action Plan.

Swith Activity Fublic Education on IDDE Fraining	
or Component BMP-IDDE-04 BMP-IDDE-05	
Name	
Minimum Control IDDE IDDE	
Measure Name (If	
Applicable)	
General Permit II.B.3 II.B.3	
Condition Item	
Number (If	
Applicable)	
Brief Description MDT currently provides information on Provide district personnel with IDDE training specific	c to
of Planned possible illicit and illegal discharges in their job duties.	
SWMP Action our printed education material. MDT will	
Taken continue to provide this information.	
ResponsibleMDT, MS4 Coordinator, and other MDTMDT, MS4 Coordinator, DEES	
Agency, staff	
Department, or	
Organization; and	
Person or Position	
Measurable GoalMDT will track, when possible, theThis training will be part of the IDDE Training Progr	am
or Performance number of calls, emails, or postings on and will be performed annually for key personnel. M	DT
Standard Utilized MDT's social media sites. A reporting will track the date, location and employees trained ea	ch
spreadsheet will be generated in 2014 by year as part of the IDDE Training Program at each S	nall
the MS4 Coordinator. Information MS4. Success will be determined by ensuring up to c	ate
provided during the reporting will be training material and employees requesting the training	ıg
entered into the spreadsheet. The action receive the training.	
taken by MDT to resolve the problem will	
also be included in the spreadsneet. when	
available, MDT will record now the	
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	
The MS4 Coordinator will be posting	
status undates on MDT's social media	
(i.e. Facebook) page. One of these posts	
will be related to IDDE.	
Opportunity for MDT is striving for higher efficiency in MDT will continue progress on this control measure.	
Improvement IDDE education efforts by streamlining	
messages to audiences that have an impact	
on MDT storm water quality in MS4	
areas, such as MDT staff, contractors,	
developers, and transient roadway users.	
IDDE-specific posts targeting illegal	
dumping will be developed.	

SWMP Activity	Construction SWPPP	MDT Environmental and Construction Oversight
or Component	BMP-CSRC-01	BMP-CSRC-02
Name		
Minimum Control	Construction Site	Construction Site
Measure Name (If	Runoff Control	Runoff Control
Applicable)		
General Permit	II.B.4	II.B.4
Condition Item		
Number (If		
Applicable)		
Brief Description	At construction sites that are required	To provide environmental and construction oversight on
of Planned	to obtain an MPDES General Permit	MDT projects. To ensure compliance with federal, tribal,
SWMP Action	for Storm Water Discharges	state, and local laws.
Taken	associated with Construction	
	Activity, the contractors must prepare	
	a SWPPP.	
Responsible	MDT, PDE	MDT, DEES, and project personnel
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT continues to place the special	This BMP will be measured by the number of inspections
or Performance	provision in project contracts that	conducted during the permit period. In addition, deficiencies
Standard Utilized	require contractors on construction	will be tracked by project, as well as the actions taken to
	sites disturbing 1 acre or equal to	remedy the issues. The deficiencies and actions will be used
	adhere to the MPDES General Permit	as training tools to improve inspection procedures and to
	for Storm Water Discharges	train DEES and inspection personnel for future MDT
	associated with Construction	projects. MDT will track the size of project and compliance
	Activity. The measurable goal for the	record of the contractors and subcontractors to evaluate if the
	BMP is that project contracts have	environmental plans and specifications are meeting the
	the MPDES Special Provision.	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 to100% of the Pre-Construction conferences
		for construction projects within the Small MS4s.
Opportunity for	MDT will finalize and distribute	MDT will explore tracking improvements in order to better
Improvement	guidance for Plans, Specifications,	confirm adherence to MDT's February 2016 MS4
	and Estimate (PS&E) package	Construction and Post-Construction DEES Inspection
	reviews to ensure inclusion of storm	Procedures.
	water special provisions in contract	
	documents.	

SWMP Activity	MDT Information Analysis	MDT Training
or Component	BMP-CRSC-03	BMP-CSRC-04
Name		
Minimum	Construction Site Runoff Control	Construction Site Runoff Control
Control	Construction Site Runon Control	Construction Site Runon Control
Moosuro Nomo		
(If A pplicable)		
(II Applicable)		
General Permit	II.B.4	11.B.4
Condition Item		
Number (If		
Applicable)		
Brief	Evaluate information gathered to	Provide trained staff responsible for the implementation,
Description of	improve awareness and enhance	maintenance, and inspection of the storm water program. MDT
Planned SWMP	current programs.	personnel will be trained in the selection, implementation,
Action Taken		inspection and maintenance of storm water BMPs.
Responsible	MDT, MS4 Coordinator, DEES	MDT, MS4 Coordinator, DEES
Agency,		
Department, or		
Organization:		
and Person or		
Position		
Measurable	The MS4 Coordinator will attend five	The MS4 Coordinator will maintain a log with the dates of
Goal or	workgroup meetings per year. These	MDT training sessions including the online SWPPP
Dorformanco	meetings may be with consermittees	administrator certification Names of attendees their
Standard	other water quality groups or MDT	departments and their responsibilities will be included on the
Stanuar u Utilized	staff to discuss beneficial wave to	loga Foodback provided during the training cossions will also
Utilizeu	immension storm water quality. The	he trealed to improve presedures and avidelines. Date for this
	DEES will attand at least and MDT	be tracked to improve procedures and guidennes. Data for this
	DEES will attend at least one MD1	log will be provided to the MS4 Coordinator through the DEES
	maintenance section meeting per year	at each Small MS4.
	for each Small MIS4.	
		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.
Opportunity for	-MDT is planning to attend and/or	- MDT will develop a plan to better track and document storm
Improvement	review meeting minutes of each	water issues to continually improve procedures and training.
	statewide MS4 workgroup meeting	-MDT will evaluate whether more formal feedback
	that occurs in 2021.	mechanisms, such as training evaluation forms, can be
	-MDT will evaluate whether more	implemented by the DEES when attending EPM meetings in
	formal feedback mechanisms can be	2021.
	implemented by the DEES when	
	attending maintenance section	
	meetings in 2021.	

SWMP Activity	Internal Project Administration	Plan Reviews
or Component	BMP-CSRC-05	BMP-PCRC-01
Name		
Minimum	Construction Site	Post-Construction Runoff in New Development and
Control	Runoff Control	Redevelopment
Measure Name		
(If Applicable)		
General Permit	II B 4	IIB5
Condition Item	п.д.т	11.D.5
Number (If		
Annlicable)		
Applicable)	MDT will use contractual agreements	MDT reviewers will warify that applicable federal tribal state
Differ Description of	to oncure that projects are constructed	and level laws and regulations are followed as required by the
Description of	in a manual that a multiplicate with the	Such MC4 Decement
Flanned Swivir	In a manner that complies with the	Sinan MIS4 Program.
Action Taken	Clean Water Act.	
Responsible	MD1, MS4 Coordinator, PDEs	MD1, MS4 Coordinator, PDEs
Agency,		
Department, or		
Organization;		
and Person or		
Position		
Measurable	MDT will include the MS4 special	The measurable goal for this BMP will be for PDEs to review
Goal or	provision in 100% of contracts taking	100% of the plans within the Small MS4s. When applicable the
Performance	place in a Small MS4.	PDEs will recommend to the design team incorporation of
Standard	In 100% of the contracts in a Small	PESC/LID structures.
Utilized	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	In 2021, MDT will finalize and	-MDT will monitor the use of the LID Analysis Process and
Improvement	distribute guidance for 'PS&E	Form to identify ways to improve it and to promote coordination
	package' reviews to ensure inclusion	with other MS4s.
	of storm water special provisions in	-When an Individual MS4 Permit is issued, MDT will identify
	contract documents.	changes required to and update the LID form and PESC
		Manual.
		-MDT will continue investigation of PESC training
		opportunities in 2021, in coordination with MDT Hydraulics
		and Road Design personnel.

SWMP Activity or	Construction and Post-Construction	Operation and Maintenance of BMPs
Component Name	Site Inspections	BMP-PCRC-03
	BMP-PCRC-02	
Minimum Control	Post-Construction Runoff in New	Post-Construction Runoff in New Development and
Measure Name (If	Development and Redevelopment	Redevelopment
Applicable)		
General Permit	II.B.5	II.B.5
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT construction personnel inspect the	Evaluate MDT Operation and Maintenance Program to
Planned SWMP	features as they are being constructed to	ensure being conducted in an effective manner.
Action Taken	ensure that they are constructed	
	according to the contract documents	
	including the plans and specifications.	
Responsible	MDT, DEES, Maintenance and	MDT, DEES, Maintenance personnel
Agency,	construction personnel	
Department, or	_	
Organization; and		
Person or Position		
Measurable Goal	MDT construction personnel will inspect	Records of the current MDT Operation and Maintenance
or Performance	structural (i.e. permanent) BMPs on	Program will be reviewed and evaluated to ensure that
Standard Utilized	100% of projects in a Small MS4.	the O&M of BMPs is being conducted in an effective
	Before MDT assumes responsibility for	manner. The evaluation of the Program will be tailored
	a storm water permit from the	to each MS4 area. Facilities managed by other entities
	Contractor, MDT personnel including	(i.e., county or city) will be their sole responsibility.
	the DEES, maintenance personnel, and	
	construction personnel, complete a final	
	project closeout inspection to ensure	
	project BMPs 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.	
Opportunity for	-MDT will continue to implement its	-Further refinement and formalization of the Permanent
Improvement	finalization process and document BMP	BMP O&M program implementation process will be
	issues in the final walk-through form.	evaluated.
	-MDT will track issues that are	-In 2021, MDT Environmental will meet with
	preventing sites from closeout and	Maintenance personnel to discuss potential
	communicate internally to identify	improvements in tracking permanent BMP maintenance
	process improvements and reduce MDT	actions.
	efforts and resources to achieve final	
	stabilization.	

SWMP Activity or	Reviewers and Inspectors	Low Impact Development Approach
Component Name	Training	BMP-PCRC-05
	BMP-PCRC-04	
Minimum Control	Post-Construction Runoff in New	Post-Construction Runoff in New Development and
Measure Name (If	Development and Redevelopment	Redevelopment
Applicable)		
General Permit	II.B.5	II.B.5
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT will provide training and	MDT will attempt to incorporate LID techniques where
Planned SWMP	guidance material to its employees	practicable in MDT projects and at its facilities within the
Action Taken	on environmental compliance and	MS4 areas when upgrades to the facilities are implemented
	storm water BMPs.	and new or redevelopment takes place.
Responsible	MDT, MS4 Coordinator, DEES	MDT, MS4 Coordinator, PDEs
Agency,		
Department, or		
Organization; and		
Person or Position	MDT will a setime to secold	E-march
Measurable Goal	training to its ampleuses on	For road construction projects in MIS4 areas, MDT will evaluate 100% of designs for the notantial of incomparating
or remominance Standard Utilized	any irrenamental compliance and	LID toohniques. When the requirements are triggered (i.e.
Stanuaru Utilizeu	storm water BMPs. Continued	new development or redevelopment project that disturb 1 acre
	educational programs and	or greater) LID opportunities will be explored PDFs will be
	specialized training will continue to	the lead on this effort and will provide data to the MS4
	be made available for individuals	Coordinator for tracking
	involved in the plan review process	coordination for diagram.
	and for inspection personnel. The	For "state actions" at MDT facilities within MS4 areas, MDT
	MDT-provided training and	will evaluate 100% of designs for appropriateness of
	education programs attended by	incorporating LID techniques. Each proposed project will be
	MDT personnel will be tracked as	reviewed for triggering the requirements for incorporating
	part of this BMP.	LID, as practicable. When the requirements are triggered, LID
	Pertinent staff members will attend	opportunities will be explored. PDEs will be the lead on this
	at least one relevant training session	effort and will provide data to the MS4 Coordinator for
	per permit period to develop and	tracking.
	expand their skills pertaining to	
	storm water pollution prevention	For encroachment and approach permit applications within
	techniques. This training will be	Small MS4 areas, MDT will evaluate 100% of applications
	available as an online self-review of	for appropriateness of incorporating LID techniques.
	the PESC guidelines. MDT	Appropriate MS4-related information will be included in the
	conducts periodic training on and	permit issuance correspondence. PDEs will be the lead on this
	updates of the PESC Manual as	effort and will provide data to the MS4 Coordinator for
	necessary.	tracking.
Opportunity for	-In 2021, MDT Environmental will	-Continue to enforce the stipulation included in the permit
Improvement	investigate PESC training	that applicable MS4 requirements must be met, effectively
	opportunities in coordination with	placing the responsibility for the LID applicability analysis on
	MDT Hydraulics and Road Design	the project proponent.
	personnel.	

SWMP Activity or	Ordinances and Storm Water Design	Vegetation Management Program
Component Name	Criteria	BMP-PCRC-07
	BMP-PCRC-06	
Minimum Control	Post-Construction Runoff in New	Post-Construction Runoff in New Development and
Measure Name (If	Development and Redevelopment	Redevelopment
Applicable)		
General Permit	II.B.5	II.B.5
Condition Item		
Number (If		
Applicable)		
Brief Description	MDT does not have the authority to write	Evaluate projects within Small MS4s that have open
of Planned SWMP	ordinances or requirements for storm	SWPPP permits for use of federal funds to conduct
Action Taken	water design criteria on non-MDT	further revegetation that promotes closure of the SWPPP
	proposed projects. MDT can and does	plans.
	enforce MDT standards on MDT	
	projects. MDT follows applicable federal,	
	tribal, state and local laws and regulations	
	within the Small MS4s.	
Responsible	MDT, MS4 Coordinator, PDEs, DEES	MDT, DEES, Botanist
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will continue to follow federal,	This BMP will be measured by comparing projects
or Performance	tribal, state and local laws and regulation	within the Small MS4s with open SWPPP permits. A
Standard Utilized	and design standards. MDT will maintain	determination will be made if improvement to the control
	and follow its design criteria for PESC	of storm water run-off, and infiltration can be improved
	and LID measures or seek formalized	with further re-vegetation. The open permit projects and
	design exceptions for 100% of our	the projects that are closed will be tracked as well as the
	projects within Small MS4s.	projects where funding was allocated within the Small
One or a start in the form		MDT
Opportunity for	- MD1 will monitor the use of the LID	-MD1 will continue progress on this control measure.
improvement	Analysis Process and Form to identify	
	to promote coordination with other MS4	
	When an Individual Dormit is issued	
	- when an individual Permit is issued,	
	and undate the LID form and PESC	
	Manual	
	ivianual.	1

SWMP Activity or	Training	
Component Name	BMP-PPGH-01.1	
Minimum Control	Pollution Prevention / Good Housekeeping	
Measure Name (If		
Applicable)		
General Permit	II.B.6	
Condition Item		
Number (If		
Applicable)		
Brief Description	Educate staff regarding storm water characteristics, water quality issues, and individual	
of Planned SWMP	responsibilities regarding the implementation of the Statewide SWMP, SWPPP, FPPP, and SPCC	
Action Taken	Plans.	
Responsible	MDT, MS4 Coordinator, DEES and possible other Environmental Staff	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	a) This BMP will be measured by ensuring that 100% of the DEES and MDT Maintenance staff	
or Performance	performing SWPPP inspections in Small MS4s comply with the CGP and will have Certified SWPPP	
Standard Utilized	Administrator training/certification. Records will be kept of personnel who have taken the SWPPP	
	Administrator training and passed the test to become an MDT Certified SWPPP Administrator.	
	b) This BMP will be measured by ensuring that 100% of the maintenance staff performing site-	
	specific FPPP inspections in MS4s have site specific FPPP training. Records will be kept of personnel	
	who have received training on the site-specific FPPP and inspection procedures.	
	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.	
	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	
Opportunity for	MD1 will continue progress on this control measure. In 2021, MD1 will finalize and implement the	
Improvement	formal FPPP Update and Training procedure to ensure FPPPs are formally updated on a routine basis	
	and that maintenance personnel receive storm water training specific to each facility.	

SWMP	Training
Activity or	BMP-PPGH-01.2
Component	
Name	
Minimum	Pollution Prevention / Good Housekeeping
Control	
Measure	
Name (If	
Applicable)	
General	II.B.6
Permit	
Condition	
Item Number	
(If Applicable)	
Brief	Educate staff regarding storm water characteristics, water quality issues, and individual responsibilities
Description of	regarding the implementation of the Statewide SWMP, SWPPP, FPPP, and SPCC Plans.
Planned	
SWMP Action	
Taken	
Responsible	MDT, MS4 Coordinator, DEES, and possible other Environmental Staff
Agency,	
Department,	
or	
Organization;	
and Person or	
Position	
Measurable	a) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend
Goal or	at least one quarterly DCE meeting per year and provide information related to MDT's overall storm water
Performance	management program, including MS4 issues.
Standard	b) ESB personnel, generally the Engineering Section Supervisor or the Field Services Engineer, will attend
Utilized	at least one quarterly Maintenance Chiefs meeting per year and provide information related to MD1's
	overall storm water management program, including MS4 issues.
	C) As discussed previously, several MDT facilities in MS4 areas fail under the SPCC Rule and have SPCC
	Plans. SPCC training, which includes information related to the MIS4 Program, will be offered annually of
	d) As discussed providently MDT is working to develop site specific EDDDs for MDT facilities within MS4.
	areas that surroutly do not have EDDDs. Training is offered on each site specific EDDD 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
Opportunity	MDT will continue to identify and prioritize structural improvements at MDT facilities
for	- WD1 with continue to relative and prioritize structural improvements at wD1 radiaties.
101	1 - In 2021 MDT will finalize and implement the formal FPPP Undate and Training procedure to ensure
Improvement	-In 2021, MDT will finalize and implement the formal FPPP Update and Training procedure to ensure FPPPs are formally updated on a routine basis and that maintenance personnel receive storm water training

SWMP	Periodic SWPPP and SPCC Plan Inspections
Activity or	BMP-PPGH-02
Component	
Name	
Minimum	Pollution Prevention / Good Housekeeping
Control	
Measure	
Name (If	
Applicable)	
General	II.B.6
Permit	
Condition	
Item Number	
(If Applicable)	
Brief	MDT will perform site inspections for MDT facilities within MS4s with FPPP and SPCC plans on the
Description of	time basis documented in the SWMP.
Planned	
SWMP Action	
Taken	
Responsible	MDT, MS4 Coordinator, DEES, Maintenance staff
Agency,	
Department,	
or	
Organization;	
and Person or	
Position	
Measurable	The DEES and MS4 Coordinator will analyze the FPPP inspection forms on a yearly basis to evaluate
Goal or	opportunities to improve and deal with identified deficiencies. In some cases, funds will have to be
Performance	secured to improve the current infrastructure and might require several years before the BMP can be fully
Standard	implemented.
Utilized	
Opportunity	-MDT will evaluate the FPPP and SPCC inspection processes to improve the consistency of inspections
for	and to identify processes and/or other improvements that will enhance overall environmental
Improvement	performance.
	-MDT will continue to identify and prioritize structural improvements at MDT facilities.

SWMP Activity or	Road and Parking Sweeping	Road and Parking Area Maintenance
Component Name	BMP-PPGH-03	BMP-PPGH-04
Minimum Control	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
Measure Name (If		
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description of	Implement a Street Sweeping Program that	MDT will follow its Roadway / Roadside Maintenance
Planned SWMP	encompasses the streets and roadways, the	Program to maintain roadways/roadsides for safety, to
Action Taken	maintenance yards and parking areas	protect the environment, and to maintain a pleasing
	within its facilities. The street sweeping	aesthetics in a functional manner.
	frequency depends on need and travel	
	volumes. Sweepers also respond to certain	
	types of spills that require clean-up work.	
Responsible	MDT, Maintenance staff	MDT, MS4 Coordinator, DEES, Maintenance Staff
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT's goal for the street sweeping	MDT will evaluate current practices used during
or Performance	program is to sweep 100% of the facilities	maintenance and operational activities to determine if
Standard Utilized	and MDT maintained roads that are within	modifications to these practices are warranted to
	our permitted Small MS4s a minimum of	minimize storm water pollutants reaching water ways.
	one (1) time per year.	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.
Oran extern 'to form	MDT will we have the DMD (11 (12	MDT will werke this DMD (1 (1))
Opportunity for	WD1 will evaluate this BMP to identify a	MD1 will evaluate this BMP to identify a systematic
Improvement	systematic approach to gathering and reviewing maintenance information	approach to gamering and reviewing mannenance

SWMP Activity or	Winter Maintenance Program	Recycling Activities
Component Name	BMP-PPGH-05	BMP-PPGH-06
Minimum Control	Pollution Prevention / Good Housekeeping	Pollution Prevention / Good Housekeeping
Measure Name (If		
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description of	MDT will evaluate the Winter	MDT has several recycling programs in place at the
Planned SWMP	Maintenance Program for feasible ways to	maintenance facilities within the Small MS4s. These
Action Taken	transition to more environmentally friendly	programs will continue to be offered.
	methods.	
Responsible	MDT, MS4 Coordinator, and Maintenance	MDT, MS4 Coordinator, DEES, Maintenance staff
Agency,	Chiefs	
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will evaluate the current procedures	MDT will continue to recycle and burn the used oil to
or Performance	described in the Winter Maintenance	heat select MDT facilities. MDT will also continue to
Standard Utilized	Program and if necessary, revise the	recycle scrap and unused metal through the recycling
	existing manuals to reduce the potential of	companies throughout the permit period. MDT has
	pollutants being discharged into the	created FPPPs that provide guidelines to help make the
	environment and consequently into	storage of the recycled materials storm water runoff
	waterways. The evaluation will be	safe. MD1 will be inspecting the facilities on a
	performed during the permit period, and	monthly basis to ensure the recycled materials are
	revisions to the manuals will be posted on	being stored in a manner that protects storm water
	the MDT intranet. In addition, please see	runoii.
	that describes MDT's summent are gross on	
	another the section of the section o	
	constructing vehicle wash bays, which	
	maintenance RMP	
Opportunity for	MDT will continue progress on this	MDT will continue progress on this control measure
Improvement	control measure.	The random continue progress on this control measure.

SWMP Activity or	Vehicle Washing	
Component Name	BMP-PPGH-07	
Minimum Control	Pollution Prevention / Good Housekeeping	
Measure Name (If		
Applicable)		
General Permit	II.B.6	
Condition Item		
Number (If		
Applicable)		
Brief Description of	To evaluate the vehicle wash areas and procedures to minimize discharge of pollutants into surface	
Planned SWMP	water.	
Action Taken		
Responsible	MDT, MS4 Coordinator, DEES, Maintenance Staff	
Agency,		
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will evaluate each maintenance facility for short term improvements (e.g., sweeping area at	
or Performance	the end of the shift) and long-term improvement (e.g. a new wash bay). The short-term	
Standard Utilized	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,	
	and Great Falls in 2018. 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	-Short-term and long-term facility improvement recommendations are documented in an annual	
Improvement	FPPP review form and shared with the EESS, FSE, and DEES.	
	-In 2021, MDT will determine whether geotechnical stability issues can be resolved for the	
	proposed Billings Maintenance facility wash bay.	

SWMP Activity or	Hazardous Waste Handling	Material Management
Component Name	BMP-PPGH-08	BMP-PPGH-09
Minimum Control	Pollution Prevention / Good	Pollution Prevention / Good Housekeeping
Measure Name (If	Housekeeping	
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description of	Limit the amount and type of hazardous	MDT will continue to stockpile and store materials, such
Planned SWMP	materials on MDT sites, how and where	as oils and deicing materials, in a manner to reduce the
Action Taken	they are stored, and who has access to	likelihood of accidental spills or release hazardous
	them.	materials into the storm water system.
Responsible	MDT, MS4 Coordinator, DEES,	MDT, MS4 Coordinator, DEES, Hazmat section, and
Agency,	Maintenance staff	Maintenance staff
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will continue to ensure that its staff	MDT will review existing storage procedures to ensure
or Performance	is following the proper procedures when	that they are current and effective. Revisions will be
Standard Utilized	handling and storing hazardous materials	posted and employees will be made aware of the
	and are well informed of the type and	changes. This BMP will be measured by the number of
	potential dangers associated with each	spills that are reported within a permit period as required
	chemical. SDSs are available at each	by the FPPP and SPCC Plans. The main goal is to
	facility within the MS4 areas and staff	eliminate spills and have zero reported spills during the
	complies with the requirements of the	permit period. If a spill is reported within a permit
	SPCC Plans, including monunity site	mill and measure will be taken to remedy the
	inspections. WDT will evaluate the plans	spin and preventive measures will be put into place to
	as revised by rederal and state	prevent the spins from reoccurring.
	inspection forms. The MS4 Coordinator	
	working with the Harmet Supervisor	
	DEES and ESE 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	
Opportunity for	-MDT will continue to evaluate the FPPP	-MDT will continue to evaluate the FPPP inspection
Improvement	inspection process as necessary to	process as necessary to improve the consistency of
	improve the consistency of inspections	inspections and to identify processes and/or structural
	and to identify processes and/or structural	improvements that will enhance overall environmental
	improvements that will enhance overall	nerformance.
	environmental performance	-MDT will evaluate annual reports to determine training
	-MDT will evaluate annual reports to	needs related to hazardous materials and SPCC and
	determine training needs related to	develop a training plan to address training tonics
	hazardous materials and SPCC and	action a daming plan to address daming toples.
	develop a training plan to address training	
	tonics	
	topios.	
SWMP Activity or	Storm Drain System Cleaning and	Develop SWPPPs and Updates to SWPPPs
--------------------------	---	--
Component Name	Maintenance	BMP-PPGH-11
•	BMP-PPGH-010	
Minimum Control	Pollution Prevention / Good	Pollution Prevention / Good Housekeeping
Measure Name (If	Housekeeping	
Applicable)		
General Permit	II.B.6	II.B.6
Condition Item		
Number (If		
Applicable)		
Brief Description	Conduct routine system inspections,	MDT has developed FPPPs for MDT facilities within the
of Planned SWMP	cleaning, and maintenance of MDT	MS4s. MDT will update as necessary.
Action Taken	maintenance facilities, yards, and	
	storm water infrastructure within the	
	MDT right of way.	
Responsible	MDT, MS4 Coordinator, DEES,	MDT, MS4 Coordinator, DEES, Maintenance staff
Agency,	Maintenance staff	
Department, or		
Organization; and		
Person or Position		
Measurable Goal	MDT will continue the current	MDT will continue to evaluate and update the FPPPs as
or Performance	maintenance program and track the	conditions change regarding design, construction, operation,
Standard Utilized	number of inspections, cleanings, and	or maintenance at the different facilities. The changes will
	repairs conducted at each	be recorded in the Amendment Record Log included in each
	maintenance facility as well as	FPPP. In addition, MDT will continue to train its staff to
	continue maintenance conducted on	better understand the implications of contaminating storm
	MDT's right of way within the MS4	water and procedures to reduce the potential of
	areas. MDT tracks hours and supplies	contamination. FPPP inspections will be reviewed and
	in the Management System for each	analyzed by the MS4 Coordinator annually for the annual
	MS4 area. MD1 will clean and	report. The forms, addendums, and training will be the
	provide maintenance to storm water	measurable goal for this BMP.
	structures as necessary. The need is	
	taking place as a negular part of the	
	taking place as a regular part of the	
	ich duties. Other forms of notification	
	job duties. Other forms of notification	
	employees	
Opportunity for	- MDT will continue to evaluate the	-MDT will continue to evaluate the EPPP inspection process
Improvement	FPPP inspection process as necessary	as necessary to improve the consistency of inspections and
Improvement	to improve the consistency of	to identify processes and/or structural improvements that
	inspections and to identify processes	will enhance overall environmental performance
	and/or structural improvements that	- In 2021 MDT will finalize and implement the formal
	will enhance overall environmental	FPPP Update and Training procedure to ensure FPPPs are
	performance.	formally updated on a routine basis and that maintenance
	-In 2021, MDT Environmental will	personnel receive storm water training specific to each
	meet with Maintenance personnel to	facility.
	discuss potential improvements in	
	tracking permanent BMP	
	maintenance actions.	