

BUTTE-SILVER BOW MS4 STORM WATER MANAGEMENT PLAN



The City and County of
Butte-Silver Bow Montana

Prepared for:
Butte-Silver Bow Metro
800 Centennial Road
Butte, MT 59701

Butte-Silver Bow Public Works
126 W. Granite St.
Butte, MT 59701

1.	PUBLIC EDUCATION AND OUTREACH The permittee shall implement a storm water public education program to develop or adapt, distribute, and evaluate educational materials and outreach activities to key target audiences in the MS4 that raise awareness about the impacts of storm water discharges on waterbodies, educate audiences about the behaviors and activities that have the potential to pollute storm water discharges, and motivate action to change behaviors to reduce pollutants in storm water runoff.			
Minimum Measure	Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date	
a. Determine key target audiences most appropriate for storm water outreach.	i. <ul style="list-style-type: none"> Analyze which business types and/or residential behaviors are common sources of illicit discharges, spills and dumping. Develop a list, description and rationale for selecting these key target audiences based on business and residential groups associated with illegal discharges and improper disposal of waste to the MS4. List the pollutants associated with each key target audience. Submit with 1st Annual Report. 	2017	Measurable Goal: <u>Generate a prioritized list of target audiences with description, rationale, and associated pollutants.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> Analyze and tally business types and/or residential behaviors (locations) where illicit discharges, spills and dumping are prevalent. <i>List of business types and/or residential behaviors./Q1-2017</i> List key target audiences involved in illegal discharges and improper disposal of waste along with a description and rationale for each selection. <i>List key target audiences with description and rationale./Q2-2017</i> Determine pollutants associated with each target audience. <i>List pollutants for each target audience. /Q2-2017</i> Resources: <ul style="list-style-type: none"> EPA “ECHO” website (https://echo.epa.gov/) to find current Discharge Permit status. Research industrial businesses without a MDEQ Discharge Permit. Interview BSB Landfill staff about illegal dumping (prevalence and locations). BSB Pre-Treatment Surveys/Information Due Date: December 31, 2017	
	ii. <ul style="list-style-type: none"> Develop and advertise a storm water website for access by key target audiences and other interested stakeholders. At a minimum, the storm water website must include: a copy of this General Permit; or a link to the Department’s webpage containing the permit, access to outreach materials, outreach event information, storm water management program documents and updates, annual reports, and a mechanism for providing SWMP input. The website must also include: information regarding how to identify sources of illicit discharges; procedures on how to report an illicit discharge; a summary of the permittee’s requirements for covered construction activities; and how to submit construction project complaints. The website shall be available to the public on the internet. 	2017	Measurable Goal: <u>Develop and advertise the storm water website.</u> Responsible Party: BSB Storm Water Coordinator; BSB Information Technology (IT) Personnel Action Items & Deliverables/Deadline <ol style="list-style-type: none"> Develop storm water website. <i>Requirements include: General Permit/link to the MDEQ’s webpage containing the permit, access to outreach materials, outreach event information, storm water management program documents and updates, annual reports, a SWMP input mechanism, information regarding how to identify sources of illicit discharges; how to report an illicit discharge procedures; construction activities requirements; and how to submit construction project complaints./Q3 -2017</i> Advertise storm water website. <i>BSB will notify municipal system users about the storm water website by using a combination of the following media outlets:</i> <ul style="list-style-type: none"> Enclosing information in Utility Bills (Water Service), Advertise in the MT Standard and Butte Weekly, Advertisements via radio, PSA’s, etc., Promote through social media (Facebook, Twitter, etc.) /Q4-2017 Resources: <ul style="list-style-type: none"> EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview MDEQ MS4 http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 MDT MS4 Permit http://www.mdt.mt.gov/pubinvolve/stormwater/docs/ms4_program.pdf. 	

			<ul style="list-style-type: none"> Kalispell, MT MS4 Permit Information http://www.kalispell.com/stormwater_management/ BSB website http://www.co.silverbow.mt.us/176/metro-sewer-stormwater-services <p>Due Date: December 31, 2017</p>
b. Develop and utilize the permittee’s website for public outreach and involvement.	i. <ul style="list-style-type: none"> Develop outreach messages which promote benefits of non-polluting behaviors to the key target audience as well as benefits to storm water discharges. Submit with 2nd Annual Report. 	2018	<p>Measurable Goal: <u>Utilize the storm water website for public outreach and involvement using targeted messages.</u></p> <p>Responsible Party: BSB Storm Water Coordinator; BSB Information Technology (IT) Personnel</p> <p>Action Items & Deliverables/Deadline</p> <ol style="list-style-type: none"> Develop outreach messages to identified key audiences. <i>List outreach message (i.e., Construction Disturbance Awareness, Only Rain in the Drain, Responsible Pet Waste Disposal, Non-Polluting Behaviors for Festivals, and Resist over fertilizing.)for each key target audience and ensure key audience awareness./Q2-2017</i> <i>Ensure that outreach messages also stress the presence of BSB Superfund Remedy Activities and Operation & Maintenance (O&M) requirements./Q1-2018</i> <p>Resources:</p> <ul style="list-style-type: none"> EPA Superfund Program website https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0800416 EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview BSB website http://www.co.silverbow.mt.us/417/Superfund-Division <p>Due Date: December 31, 2018</p>
c. Develop a tailored outreach strategy for each key target audience and specific storm water polluting behavior.	i. <ul style="list-style-type: none"> Identify and, as needed, develop outreach formats and distribution channels for messages developed for each key target audience and associated storm water polluting behavior. Formats and distribution channels should be tailored to key target audiences and can utilize other existing formats and distribution channels, such as existing community newsletters. Submit a description of formats, distribution channels and schedule for each key target audience in 2nd Annual Report. 	2018	<p>Measurable Goal: <u>Tailor outreach to key target audiences and storm water polluting behaviors.</u></p> <p>Responsible Party: BSB Storm Water Coordinator; BSB Information Technology (IT) Personnel</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop formats and distribution channels for messages to target audience and associated storm water polluting behavior. <i>BSB will use outreach formats (i.e., website, newspaper, social media, utility bills, school book covers, bookmarks, radio and TV Public Service Announcements, pet waste containers, billboards) to communicate positive storm water behaviors (i.e., Construction Disturbance Awareness, Only Rain in the Drain, Responsible Pet Waste Disposal, Non-Polluting Behaviors for Events/Festivals, and Resist over fertilizing, etc.). Link outreach messages with existing BSB Superfund Remedy Activities and Operation & Maintenance (O&M) requirements./Q1-2018</i> Provide classroom education for Butte students and public education at festivals, etc. <i>BSB will use educate school children and the public on storm water topics./Q1-2018</i> <p>Resources:</p> <ul style="list-style-type: none"> EPA Superfund Program website https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0800416 EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview BSB website http://www.co.silverbow.mt.us/417/Superfund-Division <p>Due Date: December 31, 2018</p>
	ii. <ul style="list-style-type: none"> Distribute outreach materials to target audiences Describe distribution in Annual Reports. 	2019 2020 2021	<p>Measurable Goal: <u>Distribute and document distribution of outreach material.</u></p> <p>Responsible Party: BSB Storm Water Coordinator; BSB Information Technology (IT) Personnel</p>

			<p>Action Items & Deliverables/Deadline:</p> <p>1. Distribute outreach messages. <i>BSB will distribute materials to key audiences (i.e., industrial users, residents, and commercial owners) advertisements for positive storm water behaviors in public buildings (i.e., courthouse, library, schools, and civic center).</i> <i>BSB will use multiple distribution outlets (i.e., website, newspaper, social media, utility bills, school book covers, bookmarks, radio and TV Public Service Announcements, pet waste containers, etc.) to reach key target audiences.</i> <i>Distribution will be conducted semi-annually./Q1-2019, 2020, 2021</i></p> <p>Resources:</p> <ul style="list-style-type: none">• BSB website http://www.co.silverbow.mt.us/176/metro-sewer-stormwater-services <p>Due Date: December 31, 2019; December 31, 2020; December 31, 2021</p>
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2.	Public Involvement and Participation The permittee shall develop a strategy to involve key target audiences in the development and implementation of the SWMP that complies with state and local public notice requirements.			
Minimum Measure	Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date	
a. Identify approaches for involving key target audiences in SWMP development and implementation.	i. <ul style="list-style-type: none"> Identify approaches for involving the key target audiences (identified under Part III.B.2.a.) in the development and implementation of the SWMP over the five year permit term. For each key audience, describe: The approach; the target date(s) for implementation; and purpose of the involvement approach (e.g. raise awareness, change behavior, and improve the SWMP). Wherever possible, identify existing organizations with membership that represent some or all of the key target audiences and describe opportunities for partnering to involve membership in SWMP development and implementation. Document collaboration with existing organizations if this is an approach for involving key target audiences. Submit a description of public involvement approach, and schedule for each key audience in 1st Annual Report. 	2017	Measurable Goal: <u>Determine how key target audiences and regulatory stakeholders will be involved in SWMP development and implementation.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> BSB will identify approaches for involving the key target audiences in the SWMP development and implementation. /Q2-2017 BSB will identify existing organizations that key target audiences belong to (i.e., trade organizations, groups, etc. <i>Complete details for each potential partner using Determination of Key Target Audiences-Template and/or CM#2 Worksheet 1. /Q2-2017</i> BSB will specify how to collaborate with identified organizations as well as key regulatory stakeholders (EPA, MDEQ, MDT) <i>Document collaboration efforts. /Q3-2017</i> BSB will document public involvement approaches with associated schedule. <i>Report on public involvement approaches. /Q4-2017</i> Resources: <ul style="list-style-type: none"> EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview MDEQ MS4 http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 MDT MS4 Permit http://www.mdt.mt.gov/pubinvolve/stormwater/docs/ms4_program.pdf. Due Date: December 31, 2017	
	ii. <ul style="list-style-type: none"> Implement identified involvement approaches for each key target audience. Document participation and key target audience feedback on the approach in the SWMP and in each Annual Report. 	2018 2019 2020 2021	Measurable Goal: <u>Implement target audience participation in SWMP development and implementation.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> BSB will implement chosen involvement approaches. <i>Implement chosen involvement approaches for the following target audiences:</i> <ul style="list-style-type: none"> <i>Business Type (Auto Mechanic, Restaurant, Landfill)/Q1-2018;</i> <i>Business Type (Gas Station, Laundromat, Commercial Car Wash/Q1-2019;</i> <i>Residential Behavior (Vehicle Maintenance, Lawn Maintenance, Home Maintenance)/Q1-2020,</i> <i>Residential Behavior (On-street Parking, Sump Pump Discharge, Residential Car Wash)/Q1-2021.</i> <i>Regulatory stakeholders (EPA, MDEQ, MDT)/Annually (2017-2021)</i> 	

			<p>2. BSB will report on involvement strategies. <i>Document participation and target audience feedback of the following target audiences:</i></p> <ul style="list-style-type: none"> ○ <i>Business Type (Auto Mechanic, Restaurant, Landfill)/Q1-2018;</i> ○ <i>Business Type (Gas Station, Laundromat, Commercial Car Wash/Q1-2019;</i> ○ <i>Residential Behavior (Vehicle Maintenance, Lawn Maintenance, Home Maintenance)/Q1-2020,</i> ○ <i>Residential Behavior (On-street Parking, Sump Pump Discharge, Residential Car Wash)/Q1-2021.</i> <p>3. Provide classroom education for Butte students and public education at festivals, etc. <i>BSB will use educate school children and the public on storm water topics./Q1-2018, 2019, 2020, 2021</i></p> <p>Resources:</p> <ul style="list-style-type: none"> • EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
<p>b. Develop and utilize the permittee’s website for public outreach and involvement.</p>	<p>i. • Develop and advertise a storm water website for soliciting input from key target audiences and other interested stakeholders. At a minimum, the storm water website must include:</p> <ul style="list-style-type: none"> • access to outreach materials; outreach event information; SWMP planning documents; annual reports; a mechanism for submitting SWMP input; and illicit discharge and construction project complaints. • Website shall be available to the public on the internet. 	2017	<p>Measurable Goal: <u>Revise BSB storm water website to solicit and encourage public outreach and involvement.</u></p> <p>Responsible Party: BSB Storm Water Coordinator; BSB Information Technology (IT) Personnel</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> 1. Revise and refresh storm water website. <i>Website requirements include: General Permit/link to the MDEQ’s webpage containing the permit, access to outreach materials, outreach event information, storm water management program documents and updates, annual reports, a SWMP input mechanism, information regarding how to identify sources of illicit discharges, how to report an illicit discharge procedures, construction activities requirements, and how to submit construction project complaints.</i> 2. Advertise storm water website. <i>BSB will notify municipal system users about the storm water website by: enclosing an advertisement in Utility Bills (Water Service), advertise in the MT Standard and Butte Weekly, Social Media, PSA’s and Partner Publications (CFWEP, MDT, etc.).</i> 3. Promote Storm Water Training opportunities (local and State), Storm Water Hotline and Volunteer Activities via website and other means. <i>BSB will promote future local and State Storm Water classes, BEAUTIFY BUTTE activities, local clean-up opportunities, and use of the Storm Water Hotline.</i> <p>Resources:</p> <ul style="list-style-type: none"> • EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview • MDEQ MS4 http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 • MDT MS4 Permit http://www.mdt.mt.gov/pubinvolve/stormwater/docs/ms4_program.pdf. <p>Due Date: December 31, 2017</p>

3.	ILICIT DISCHARGE DETECTION & ELIMINATION The permittee shall develop, implement and enforce a program to detect and eliminate illicit discharges (as defined in ARM 17.30.1102(7)) into the permitted Small MS4.			
Minimum Measure	Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date	
a. Address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if the permittee identifies them as significant contributors of pollutants to the Small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined in ARM 17.30.1102(8)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water (discharges or flows from firefighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to state waters).	i. <ul style="list-style-type: none"> Evaluate and include, in each Annual Report: <ul style="list-style-type: none"> a list of non-storm water discharges that the permittee has identified as significant contributors of pollutants; the pollutants associated with each non-storm water significant contributor; and document any local controls or conditions placed on these discharges. 	2017 2018 2019 2020 2021	Measurable Goal: <u>Evaluate non-storm water discharges or flows present in MS4.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> Assess non-storm water discharges and implement local controls as necessary to minimize impacts. <i>BSB will evaluate the Significant Polluters using CM#3 Worksheet 1./Q1-2017, 2018, 2019, 2020, 2021</i> Resources: <ul style="list-style-type: none"> EPA MS4 Permit Information https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview MDEQ MS4 http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 Due Date: December 31, 2017; December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021	
b. If appropriate, develop a list of other similar occasional incidental non-storm water discharges (e.g. non-commercial or charity car washes, etc.) that will not be addressed as illicit discharges. These non-storm water discharges must not be reasonably expected (based on information available to the permittee) to be significant sources of pollutants to the Small MS4, because of either the nature of the discharges or conditions the permittee established for allowing these discharges to the Small MS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs for the wash water, etc.).	i. <ul style="list-style-type: none"> Evaluate and include, in each Annual Report: <ul style="list-style-type: none"> a list of occasional incidental non-storm water discharges that the permittee has determined will not be addressed as illicit discharges; the pollutants associated with each non-storm water significant contributor; and document any local controls or conditions placed on these discharges. 	2017 2018 2019 2020 2021	Measurable Goal: <u>Evaluate occasional incidental non-storm water discharges present in MS4.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> Assess occasional incidental non-storm water discharges and implement local controls as necessary to minimize impacts. <i>BSB will evaluate potential incidental non-storm water discharges using CM#3 Worksheet 2. /Q1-2017, 2018, 2019, 2020, 2021</i> Report status of incidental non-storm water discharges. <i>BSB will include a report on incidental non-storm water discharges with the Annual Report.</i> Resources: <ul style="list-style-type: none"> BSB Department Supervisors (Road, Water, Metro, Planning) Due Date: December 31, 2017; December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021	
	ii. <ul style="list-style-type: none"> Include a provision prohibiting any occasional incidental non-storm water discharge that is determined to be contributing significant amounts of pollutants to the Small MS4 in appropriate ordinances, regulatory mechanism or memoranda of agreements. 	2018	Measurable Goal: <u>Prohibit incidental non-storm water discharges if contributing pollutants to the MS4.</u> Responsible Party: BSB Storm Water Coordinator, BSB Council of Commissioners Action Items & Deliverables/Deadline: <ol style="list-style-type: none"> Review existing ordinances, regulatory mechanisms, or memoranda of agreements for status of occasional incidental non-storm water discharges. <i>BSB will update Ordinance No. 10-13, if necessary, to include incidental non-</i> 	

			<p><i>stormwater discharges. Q3,Q4-2017, Q1,Q2-2018</i></p> <p>Resources:</p> <ul style="list-style-type: none"> BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Page 10, Pages 19-21, Pages 33-35 <p>Due Date: December 31, 2017</p>
<p>c. Inventory storm water sewer infrastructure in order to better track illicit discharges, contain spills, and determine high priority areas.</p>	<p>i.</p> <ul style="list-style-type: none"> Update existing map showing: <ul style="list-style-type: none"> the location and number of all outfalls (as defined in ARM 17.30.1102(14) and Part VIII of this General Permit); and the names and location of all surface waters that receive discharges from those outfalls. Development of this map to accommodate the provisions of a comprehensive illicit discharge detection and elimination (IDDE) program and the SWMP would typically include mapping storm sewer system components including: <ul style="list-style-type: none"> inlets; open channels; subsurface conduits/pipes; dry wells (discharges to ground water directly); and other similar discrete conveyances. Update the storm sewer map regularly and make available for review by the Department upon request. 	2017	<p>Measurable Goal: <u>Inventory and update storm water sewer infrastructure.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB GIS Department, BSB Metro Sanitary Department</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Inventory and update existing infrastructure map. <i>BSB will revise the existing map to include additional or abandoned inlets; open channels; subsurface conduits/pipes; dry wells (discharges to ground water directly); and other similar discrete conveyances./Q3,Q4-2017</i> <i>Revise and update infrastructure map to include new storm water infrastructure/Q4 2018, 2019, 2020, 2021</i> <p>Resources:</p> <ul style="list-style-type: none"> ARM 17.30.1102(14) http://www.mtrules.org/gateway/ruleno.asp?RN=17.30.1102 <p>Due Date: December 31, 2017</p>
<p>d. To the extent allowable under State, or local law, effectively prohibit, through ordinance or other regulatory mechanism, non-storm water discharges (except those listed under Part III.B.4.a.) into the regulated storm sewer system and implement appropriate enforcement procedures and actions.</p> <p>NOTE: d(ii) is for non-traditional MS4s only.</p>	<p>i.</p> <ul style="list-style-type: none"> If not done previously, adopt an ordinance or other mechanism to prohibit illicit discharges Submit with 2nd Annual Report. 	2018	<p>Measurable Goal: <u>Prohibit non-storm water discharges through an ordinance.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Existing Ordinance No. 10-13 addresses the prohibition of non-storm water discharges. <i>BSB has completed this item./Q1-2017</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 19-21 <p>Due Date: December 31, 2018</p>
	<p>iii.</p> <ul style="list-style-type: none"> Solicit assistance from neighboring MS4s as necessary to detect and eliminate illicit discharges which may originate within the neighboring MS4 and formalize in cooperative agreements, i.e. memoranda of understanding. Agreements should specify investigation and enforcement responsibilities and <ul style="list-style-type: none"> These should be described in each permittee' s Enforcement Response Pan (ERP) (Part II.A.3.d.iv.) and Illicit Discharge Investigation and Corrective Action Plan (Part II.A.3.f.) Formalize cooperative agreements, i.e. memoranda of understanding, with all neighboring MS4s as necessary to implement the IDDE program described in Part II.A.3. Submit a summary of the cooperative agreements with the 2nd Annual 	2018	<p>Measurable Goal: <u>Demonstrate cooperation with neighboring MS4s, the Montana Department of Transportation (MDT).</u></p> <p>Responsible Party: BSB Storm Water Coordinator, Butte MDT</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Meet with MDT. <i>BSB will work with MDT to determine a plan to detect and detect and eliminate illicit discharges./Q4-2017.</i> Develop agreements with MDT. <i>BSB will work with MDT on the development of an ERP and Illicit Discharge Investigation and Corrective Action Plan./Q1,Q2-2018</i> Formalize agreements with MDT.

	Report.		<p><i>BSB will work with MDT to formalize an ERP and Illicit Discharge Investigation and Corrective Action Plan./Q3-2018</i></p> <p>4. Summarize MDT cooperative agreements. <i>BSB will report the results of the MDT cooperative agreements. /Q1-2019</i></p> <p>Resources:</p> <ul style="list-style-type: none"> Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 19-21 MDT website https://www.mdt.mt.gov/ <p>Due Date: December 31, 2018</p>
	<p>iv.</p> <ul style="list-style-type: none"> Develop a formal ERP for illicit discharges. The ERP must describe: <ul style="list-style-type: none"> legal authority – through ordinance, formal policies or memoranda of understanding – to eliminate and abate illicit discharges; identify staff with enforcement authority; enforcement actions available; enforcement escalation process; and schedule to be utilized to quickly and consistently eliminate the source of the discharge, abate any damages and prevent recurrence. The ERP must include informal, formal, and judicial responses. <ul style="list-style-type: none"> Informal responses may include: <ul style="list-style-type: none"> telephone notification; verbal notice; notice of violation; and meetings. Formal responses may include: <ul style="list-style-type: none"> administrative order; compliance schedule; order to show cause; monetary penalty (administrative); and suspended service. Judicial responses may include: <ul style="list-style-type: none"> injunctive relief; consent decree; civil penalties; and criminal penalties. Submit the ERP with the 2nd Annual Report. 	2018	<p>Measurable Goal: <u>Develop and formalize Emergency Response Plan (ERP).</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop a formal ERP using Illicit Discharge Investigation and Corrective Action Plan template and existing <u>BSB Illicit Discharge Detection & Elimination (IDDE)/Repair & Illegal Dumping Plan./Q1,Q2,Q3-2018.</u> <i>BSB will combine template and existing plan into a formal ERP.</i> ERP must include informal and formal responses. <i>BSB will meet all ERP requirements./Q4-2018</i> <p>Resources:</p> <ul style="list-style-type: none"> Illicit Discharge Investigation and Corrective Action Plan template BSB Illicit Discharge Detection & Elimination (IDDE)/Repair & Illegal Dumping Plan Center for Watershed Protection website http://www.cwp.org/illicit-discharge-detection-and-elimination/ <p>Due Date: December 31, 2017</p>
	<p>v.</p> <ul style="list-style-type: none"> Implement ERP. 	2018	<p>Measurable Goal: <u>Implement ERP.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division ,BSB Public Works, BSB Planning, BSB County Attorney</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Implement ERP. <i>BSB will use ERP and document violations./Q4-2018</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB Illicit Discharge Detection & Elimination (IDDE)/Repair & Illegal Dumping Plan <p>Due Date: December 31, 2017</p>
e. Proactively inspect, during dry weather, all outfalls to detect illicit discharges and connections into the MS4 and identify high	<p>i.</p> <ul style="list-style-type: none"> Inspect and screen all of the permittee’ s outfalls during dry weather using the outfall field screening protocol developed by the Center for Watershed Protection or equivalent process. This process shall be completed by the end of the permit cycle. 	2017 2018 2019 2020	<p>Measurable Goal: <u>Conduct dry weather outfall inspections.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p>

priority outfalls.		2021	<p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">Determine the Standard Operating Procedure (SOP) for outfall field screening. <i>BSB will write an outfall field screening SOP./Q2-2017</i>Choose an outfall field screening form. <i>BSB will use the Outfall Reconnaissance Inventory/Sample Collection Field Sheet template./Q2-2017</i>Inspect outfalls. <i>Inspect and document 20% of the existing inventoried outfalls per calendar year. /Q3-2017, 2018, 2019, 2020, 2021</i> <p>Resources:</p> <ul style="list-style-type: none">Center for Watershed Protection website http://www.cwp.org/illicit-discharge-detection-and-elimination/BSB Outfall Audit Ready Binder <p>Due Date: Due Date: December 31, 2017; December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
	<p>ii.</p> <ul style="list-style-type: none">Using inspection and screening results, storm sewer maps, and other appropriate data, determine high priority outfalls.Priority is to be determined by the permittee and shall be based on potential water quality impact. When determining high priority outfalls, permittees must consider, at a minimum, outfalls:<ul style="list-style-type: none">which drain industrial areas (as identified by the Small MS4s zoning regulations or growth policy);where illicit discharges have been detected during past permit terms;which drain areas prone to incidents of illegal dumping;which drain the oldest portions of the Small MS4s storm sewer infrastructure;which serve areas primarily served by onsite sewage disposal systems; and/orwhich discharge into an impaired water body.Submit the list of high-priority outfalls with each 2nd - 5th Annual Reports.	2018 2019 2020 2021	<p>Measurable Goal: <u>Determine high priority outfalls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">Develop criteria for determining a high priority outfall.<i>BSB will consider: Superfund areas, proximity to surface water (Blacktail Creek, Silver Bow Creek, Basin Creek, Sand Creek, Grove Gulch), drainage size, proximity to wetlands and dry drainages, steep-slopes, location near a storm water feature (i.e., hydrodynamic device, pond), proximity to exposed sediment/mine waste; proximity to identified illicit discharges, proximity to identified incidents of illegal dumping, older neighborhoods, and neighborhoods serviced by on-site wastewater systems.Q2-2018.</i>Prioritize outfalls into appropriate classes (Low, Medium, High). <i>BSB will develop list of existing outfalls from high priority to low./Q3-2018, 2019, 2020, 2021</i> <p>Resources:</p> <ul style="list-style-type: none">Center for Watershed Protection website http://www.cwp.org/illicit-discharge-detection-and-elimination/BSB Growth Policy http://www.co.silverbow.mt.us/626/Long-Range-PlansBSB Zoning http://www.co.silverbow.mt.us/619/ZoningBSB Outfall Audit Ready Binder <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
	<p>iii.</p> <ul style="list-style-type: none">Inspect and screen high priority outfalls during dry weather a minimum of once per year.Submit a summary of screening results with each 3rd – 5th Annual Report.	2019 2020 2021	<p>Measurable Goal: <u>Inspect high priority outfalls and document results.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">Inspect high priority outfalls. <i>BSB will inspect high priority outfalls annually./Q3-2019, 2020, 2021</i>Summarize high priority outfall screening results. <i>BSB will summarize high priority outfalls screening results./Q4-2019, 2020, 2021</i>

			Resources: <ul style="list-style-type: none"> Center for Watershed Protection website http://www.cwp.org/illicit-discharge-detection-and-elimination/ BSB Outfall Audit Ready Binder Due Date: December 31, 2019; December 31, 2020; December 31, 2021
<p>f. Consistently and effectively investigate suspected illicit discharges and connections and track subsequent compliance actions.</p> <p>NOTE: f(iv) is for non-traditional MS4s only.</p>	<p>i.</p> <ul style="list-style-type: none"> Develop an illicit discharge investigation and corrective action plan. This plan will describe the process that will be used to: <ul style="list-style-type: none"> locate the source of an illicit discharge and select the appropriate corrective action, i.e. enforcement action, abatement, etc. At a minimum, this plan shall include processes to: <ul style="list-style-type: none"> investigate all illicit discharges; prioritize non-storm water discharges suspected of being sanitary sewage and/or significantly contaminated for investigation first; notify Montana DEQ and appropriate agencies of dry weather flows believed to be an immediate threat to human health or the environment; document that a good faith effort was made to find the source of the dry weather discharge and document each phase of the investigation in a case file; and, resolve and document the conclusion of all investigations. The outfall where any illicit discharge is detected shall continue to be considered high priority and should be investigated as required in the permit. The plan should refer to the permittee's ERP for execution of appropriate enforcement actions. Submit the plan with the 1st Annual Report. 	2017	<p>Measurable Goal: <u>Develop an illicit discharge investigation and corrective action plan.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop an illicit discharge investigation and corrective action plan. <i>BSB will use the Illicit Discharge Investigation and Corrective Action Plan template and/or revise the existing BSB Illicit Discharge Detection & Elimination (IDDE)/Repair & Illegal Dumping Plan./Q4-2017</i> Identify outfalls with known illicit discharges as high priority. <i>BSB will develop a list of outfalls with known illicit discharges./Q4-2017</i> The illicit discharge investigation and corrective action plan will refer to the ERP. <i>BSB will incorporate ERP enforcement actions into the illicit discharge investigation and corrective action plan./Q4-2017</i> Submit the illicit discharge investigation and corrective action plan. <i>BSB will submit the illicit discharge investigation and corrective action plan./Q4-2017</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 BSB Illicit Discharge Reports (2011, 2012, 2013) <p>Due Date: December 31, 2017</p>
	<p>ii.</p> <ul style="list-style-type: none"> Implement illicit discharge investigation and corrective action plan. 	2018	<p>Measurable Goal: <u>Implement illicit discharge investigation and corrective action plan.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Implement illicit discharge investigation and corrective action plan. <i>BSB will address known illicit connections./Q4-2018</i> 1) Commercial Building - Gold Rush Casino - 20 West Galena (2 sinks, 2 floor drains for a total of 4 illicit connections) 2) Commercial Building - Unique Cleaners (1 floor drain). Implement illicit discharge investigation on suspected connections. <i>BSB will investigate suspected illicit connections./Q4-2018.</i> 1) Commercial Building E. Docs Record Management - 107 East Granite (unknown sanitary connection) 2) Commercial Building – Walsh Construction – 221 South Colorado (unknown sanitary connection) 3) Drain inlets at the corners of West Gold & South Dakota and Alaska & Quartz (suspected soap suds observed during 2012). <p>Resources:</p> <ul style="list-style-type: none"> Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89

			<ul style="list-style-type: none"> BSB Illicit Discharge Reports (2011, 2012, 2013) <p>Due Date: December 31, 2018</p>
	iii <ul style="list-style-type: none"> Maintain documentation which describes the investigations conducted and corrective actions taken per the illicit discharge investigation and corrective action plan during dry weather screening or through other detection methods, e.g. public complaints. Submit summary with each Annual Report. 	2018 2019 2020 2021	<p>Measurable Goal: <u>Document results of illicit discharge investigation and corrective action plan.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Metro Division</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Investigate, document, and repair illicit connections as identified. <i>BSB will investigate, document, and repair identified illicit connections./Q4-201, 2019, 2020, 2021.</i> Summarize the results of illicit connection Investigations and repairs. <i>BSB will summarize illicit connections investigations and repairs./Q4-201, 2019, 2020, 2021.</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB ILLICIT DISCHARGE REPORT Template <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>

4.	CONSTRUCTION SITE STORM WATER MANAGEMENT The permittee shall develop, implement, and enforce a program to reduce pollutants in storm water runoff to the permitted Small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. If the Department waives its permitting requirements for storm water discharges associated with construction activity that disturbs less than five acres of total land area in accordance with ARM 17.30.1105(5), the Small MS4 permittee is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such sites.			
Minimum Measure		Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date
a. To the extent allowable under State, or local law, effectively require, through ordinance, or other regulatory mechanism, erosion and sediment controls and controls of other construction-related pollutant sources on regulated construction projects. Note: a(ii) is for non-traditional MS4s only.		i. <ul style="list-style-type: none">• If not completed previously, adopt an ordinance or other mechanism to require construction storm water controls on private and permittee-owned regulated projects.• At a minimum the ordinance must require the construction storm water management minimum standards described as Non-Numeric Technology-Based Effluent Limits in the most current Montana DEQ General Permit for Storm Water Discharges Associated with Construction Activity to be implemented on all regulated construction projects.• Submit with 3rd Annual Report.	2019	Measurable Goal: <u>Require, through Ordinance, erosion and sediment controls on construction projects.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables: <ul style="list-style-type: none">1. Existing Ordinance No. 10-13 addresses the requirement for construction storm water controls on private and permittee-owned regulated projects. <i>BSB has an existing Ordinance No. 10-13; BSB will review and revise./Q4-2019</i> Resources: <ul style="list-style-type: none">• BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 26-33. Due Date: December 31, 2019
		iii. <ul style="list-style-type: none">• Develop a formal ERP to ensure compliance with the construction storm water management regulatory mechanisms on private property, including the sanctions and enforcement mechanisms to be used to ensure compliance.• The ERP must describe how the permittee will:<ul style="list-style-type: none">○ Eliminate and abate illegal construction discharges;○ Identify staff with enforcement authority;○ Enforcement actions available and enforcement escalation process and include a schedule to be utilized to quickly and consistently eliminate the source of the discharge; and○ Abate any damages and prevent recurrence.• The ERP must include informal, formal, and judicial responses.<ul style="list-style-type: none">○ Informal responses may include telephone notification, verbal notice, notice of violation, and meetings.○ Formal responses may include administrative order, compliance schedule, order to show cause, monetary penalty (administrative), and suspended service.○ Judicial response may include injunctive relief, consent decree, civil penalties, and criminal penalties.• In addition, the ERP must also include non-monetary construction project-specific penalties such as stop work orders, bonding requirements, and/or permit denials for non-compliance.• Submit documentation of progress towards creation of ERP with the 1st Annual Report.• Submit adopted ERP with the 3rd Annual Report.	2019	Measurable Goal: <u>Develop and formalize Emergency Response Plan (ERP).</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables: <ul style="list-style-type: none">1. Revise Ordinance No. 10-13 to address ERP requirements. <i>BSB will review Ordinance No. 10-13 and revise./Q4-2019</i>2. ERP must include informal, formal, and judicial responses. <i>BSB will meet all ERP requirements./Q4-2019</i>3. ERP must include stop work orders, bonding requirements, and/or permit denials for non-compliance. <i>BSB will meet all ERP requirements./Q4-2019</i>4. Develop and submit ERP status report. <i>BSB will prepare a ERP status report./Q4-2017</i>5. Adopt ERP. <i>BSB will adopt the ERP./Q4-2019</i> Resources: <ul style="list-style-type: none">• BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89; Pages 26-33.• BSB Municipal Storm Water Engineering Standards http://www.co.silverbow.mt.us/DocumentCenter/Home/View/88• BSB Excavation & Dirt Moving Permit Application http://www.co.silverbow.mt.us/DocumentCenter/Home/View/2512• BSB Excavation & Dirt Moving Protocols http://www.co.silverbow.mt.us/DocumentCenter/Home/View/172 Due Date: December 31, 2017
		iv. <ul style="list-style-type: none">• Implement ERP.	2021	Measurable Goal: <u>Implement ERP.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ul style="list-style-type: none">1. Implement ERP.

			<p><i>BSB will use ERP and document violations./Q4-2021</i></p> <p>2. Develop and submit ERP status report. <i>BSB will prepare a ERP status report./Q4-2017</i></p> <p>Due Date: December 31, 2021</p>
<p>b. Require that all regulated construction projects submit a construction storm water management plan prior to construction which is consistent with state and local requirements and which incorporates consideration of potential water quality impacts including storm water pollution prevention through appropriate erosion, sediment, and waste control BMPs. The storm water pollution prevention plan (SWPPP) developed pursuant to the MPDES General Permit for Storm Water Discharges Associated With Construction Activity (Permit Number MTR100000) may substitute for this site plan for projects where a SWPPP is developed.</p> <p>Note: b(iii) is for non-traditional MS4s only.</p>	<p>i.</p> <ul style="list-style-type: none"> Develop a construction storm water management plan review checklist which documents, at a minimum, that the requirements described in the Non-Numeric Technology-Based Effluent Limits of the most current Montana DEQ General Permit for Storm Water Discharges Associated with Construction Activity have been included on all regulated project construction storm water management plans. The construction storm water management plan review checklist shall be used to ensure consistent review of submitted plans and to determine and document compliance with state and local requirements. Submit with the 1st Annual Report 	2017	<p>Measurable Goal: <u>Update construction storm water management plan review checklist.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Ordinance No. 10-13 addresses the requirement for construction storm water management plan review checklist. <i>BSB is currently using a checklist (BSB Municipal Storm Water Engineering Standards Checklist)./Q4-2017</i> Revise Ordinance No. 10-13 to include Non-Numeric Technology-Based Effluent Limits from the Montana DEQ General Permit (GP) for Storm Water Discharges Associated with Construction Activity. According to the 2013-2017 GP they include: <ol style="list-style-type: none"> Erosion and Sediment Controls, Soil Stabilization, Dewatering, Pollution Prevention Measures, Prohibited Discharges, and Surface Outlets. <i>BSB will review Ordinance No. 10-13 and revise to include Non-Numeric Technology-Based Effluent Limits./Q4-2017</i> Review existing BSB Municipal Storm Water Engineering Standards Checklist and Construction Stormwater Management Plan Review Checklist template. <i>BSB will review checklists and revise./Q4-2017</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89; Pages 26-33. MDEQ GP for Stormwater Discharges Associated with Construction Activity https://deq.mt.gov/Portals/112/Water/WPB/MPDES/General%20Permits/MTR100000PER.pdf, pages 11-12 BSB Municipal Storm Water Engineering Standards http://www.co.silverbow.mt.us/DocumentCenter/Home/View/88 BSB Municipal Storm Water Engineering Standards Checklist http://www.co.silverbow.mt.us/DocumentCenter/Home/View/86 BSB Excavation & Dirt Moving Permit Application http://www.co.silverbow.mt.us/DocumentCenter/Home/View/2512 BSB Excavation & Dirt Moving Protocols http://www.co.silverbow.mt.us/DocumentCenter/Home/View/172 <p>Due Date: December 31, 2017</p>
	<p>ii.</p> <ul style="list-style-type: none"> Implement construction storm water management plan review checklist 	2018 2019 2020 2021	<p>Measurable Goal: <u>Implement construction storm water management plan review checklist.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Existing construction storm water management plan review checklist addresses this requirement. <i>BSB will review and revise if needed./Q4-2018, 2019, 2020, 2021.</i> <p>Resources:</p>

			<ul style="list-style-type: none"> BSB Municipal Storm Water Engineering Standards Checklist http://www.co.silverbow.mt.us/DocumentCenter/Home/View/86 <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
c. Ensure that all construction storm water management controls are installed, operated and maintained in order to function as designed.	i.	<ul style="list-style-type: none"> Develop an inspection form or checklist to ensure consistent and thorough regulated project inspections. The checklist shall include, at a minimum, the requirements described in the Non-Numeric Technology-Based Effluent Limits of the most current Montana DEQ General Permit for Storm Water Discharges Associated with Construction Activity. 	<p>2018</p> <p>Measurable Goal: <u>Develop an inspection checklist.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Revise CM#1-Worksheet 1 and/or use Construction Site Visit Inspection Form template, which includes Non-Numeric Technology-Based Effluent Limits: <ul style="list-style-type: none"> Erosion and Sediment Controls, Soil Stabilization, Dewatering, Pollution Prevention Measures, Prohibited Discharges, and Surface Outlets. <p><i>BSB will develop Construction Site Visit Inspection Form./Q2-2018</i></p> <p>Resources:</p> <ul style="list-style-type: none"> MDEQ GP for Stormwater Discharges Associated with Construction Activity https://deq.mt.gov/Portals/112/Water/WPB/MPDES/General%20Permits/MTR100000PER.pdf pages 11-12 <p>Due Dates: December 31, 2018</p>
	ii.	<ul style="list-style-type: none"> Implement inspection form 	<p>2018 2019 2020 2021</p> <p>Measurable Goal: <u>Implement an inspection checklist.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Implement inspection form. <i>BSB will implement updated checklist.</i> <p>Resources:</p> <ul style="list-style-type: none"> MDEQ GP for Stormwater Discharges Associated with Construction Activity https://deq.mt.gov/Portals/112/Water/WPB/MPDES/General%20Permits/MTR100000PER.pdf pages 11-12 <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
	iii.	<ul style="list-style-type: none"> Develop and maintain/update a regulated project inventory to include – at a minimum – the location, size, topography of site and proximity to waterbodies for each project. 	<p>2018</p> <p>Measurable Goal: <u>Develop and maintain a regulated project inventory.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop and maintain a regulated project inventory. <i>BSB will use CM#1-Worksheet 2.</i> <p>Due Date: December 31, 2018</p>
	iv.	<ul style="list-style-type: none"> Develop an inspection frequency determination protocol based upon the priority of the project. Priority is to be determined using specific criteria to include – at a minimum: 	<p>2018</p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p>

	<ul style="list-style-type: none"><ul style="list-style-type: none">○ Project size;○ Proximity to a water body;○ Steepness of project site slopes;○ Discharge to waterbodies impaired for pollutants expected from active construction projects; and○ Past record of non-compliance by the operator of the construction site.• The protocol shall establish the following minimum inspection frequency for all high priority projects:<ul style="list-style-type: none">○ Once at commencement of construction after BMPs have been implemented;○ Once within 48-hours after a rain event of 0.25 inches or greater; and○ At the conclusion of the project prior to finalization (i.e., release of bond, issuance finalization (i.e., release of bond, issuance of certificate of occupancy etc.).• In addition, the inspection frequency shall include:<ul style="list-style-type: none">○ Recidivism reduction measures such as incentives;○ Disincentives; or○ Increased inspection frequency at non-compliant operator’s sites.		<ol style="list-style-type: none">1. Develop an inspection frequency determination protocol. <i>BSB will use Construction Site Stormwater Inspection Frequency Determination Protocol from.</i>2. Existing checklist addresses specific criteria (i.e., project size, etc.). <i>BSB will use CM#4 Worksheet 2.</i>3. Revise existing “MS4 BSB Written Procedures for Construction Storm Water Plans” to address all requirements:<ul style="list-style-type: none">– Once at commencement of construction after BMPs have been implemented;– Once within 48-hours after a rain event of 0.25 inches or greater;– At the conclusion of the project prior to finalization;– Recidivism reduction measures such as incentives;– Disincentives; or– Increased inspection frequency at non-compliant operator’s sites.<i>BSB will review and update MS4 BSB Written Procedures for Construction Storm Water Plans.</i> <p>Due Date: December 31, 2018</p>
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5.	POST-CONSTRUCTION SITE STORM WATER MANAGEMENT IN NEW AND REDEVELOPMENT The permittee shall develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the permitted Small MS4. This program must ensure that controls are in place that would prevent or minimize water quality impacts.			
Minimum Measure	Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date	
<p>a.</p> <p>To the extent allowable under State, or local law, effectively require, through ordinance, or other regulatory mechanism, post-construction storm water management controls and on regulated projects and implement appropriate enforcement procedures and actions.</p> <p>Note: a(ii) is for non-traditional MS4s only.</p>	<p>i.</p> <ul style="list-style-type: none">• If not completed previously, adopt an ordinance or other mechanism to require post construction storm water controls on regulated projects which - at a minimum - includes the performance standard described in Part III.B.5.b.iv.• Submit with 4th Annual Report.	2020	<p>Measurable Goal: <u>Require, through Ordinance, erosion and sediment controls for post-construction projects.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">1. Existing Ordinance No. 10-13 addresses the requirement for post-construction storm water controls on private and permittee-owned regulated projects; however, it needs revision to address required performance standards. <i>BSB will update Ordinance to include performance standards per Part III.B.5.b.iv.</i>2. Continue to require Operation and Maintenance Agreement for post-construction storm water controls. <p>Resources:</p> <ul style="list-style-type: none">• BSB Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 26-33.• BSB Municipal Storm Water Engineering Standards• http://www.co.silverbow.mt.us/DocumentCenter/Home/View/88• BSB Operation and Maintenance Agreement. <p>Due Date: December 31, 2020</p>	
	<p>iii.</p> <ul style="list-style-type: none">• Develop a formal ERP to ensure compliance with installation, operation and maintenance requirements for post-construction storm water management controls on regulated projects including private property.• The ERP must include informal, formal, and judicial responses.<ul style="list-style-type: none">○ Informal responses may include:<ul style="list-style-type: none">▪ Telephone notification;▪ Verbal notice;▪ Notice of violation; and▪ Meetings.○ Formal responses may include:<ul style="list-style-type: none">▪ Administrative order;▪ Compliance schedule;▪ Order to show cause;▪ Monetary penalty (administrative);▪ Suspend service.○ Judicial responses may include:<ul style="list-style-type: none">▪ Injunctive relief;▪ Consent decree;▪ Civil penalties; and▪ Criminal penalties.• The ERP must describe:<ul style="list-style-type: none">○ Legal authority to require inspection and maintenance of controls;○ Identify staff with enforcement authority;○ The enforcement actions available;	2020	<p>Measurable Goal: <u>Develop and formalize Emergency Response Plan (ERP).</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">1. Develop an ERP for post-construction storm water management controls on regulated projects and private property./Q1,Q2,Q3,Q4-2020. <i>BSB will revise Ordinance No. 10-13, Section 13.32.080 Violation, Enforcement, Penalties to comply with ERP requirements.</i>2. ERP must include informal, formal, and judicial responses. <i>BSB will meet all ERP requirements./Q1,Q2,Q3,Q4-2020.</i>3. ERP must address legal authority, staff with enforcement authority, enforcement actions , enforcement escalation, and responsiveness. <i>BSB will meet all ERP requirements./Q1,Q2,Q3,Q4-2020.</i> <p>Resources:</p> <ul style="list-style-type: none">• Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 19-21, Pages 16-26. <p>Due Date: December 31, 2020</p>	

	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Enforcement escalation process; and Schedule to be utilized to quickly and consistently ensure compliance with post-construction requirements. Submit the ERP with the 4th Annual Report. 		
	iv. <ul style="list-style-type: none"> Implement ERP. 	2021	<p>Measurable Goal: <u>Implement ERP.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Implement ERP. <i>BSB will implement ERP and document violations./Q4-2021</i> <p>Due Date: December 31, 2021</p>
<p>b. Require that all regulated development projects submit a site plan which is consistent with state and local post-construction requirements which incorporates consideration of potential water quality impacts including appropriate post-construction storm water management controls.</p> <p>Note: b(ii) is for non-traditional MS4s only.</p>	i. <ul style="list-style-type: none"> Develop and implement a plan review checklist to ensure consistent review of submitted plans and to determine and document compliance with state and local post-construction requirements. Submit with the 1st Annual Report. 	2017	<p>Measurable Goal: <u>Develop a plan review checklist to comply with state and local post-construction requirements.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Review existing BSB Municipal Storm Water Engineering Standards & Checklist to ensure compliance. <i>BSB will review and revise existing plan review checklist./Q2-2017.</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB Municipal Storm Water Engineering Standards http://www.co.silverbow.mt.us/DocumentCenter/Home/View/88 BSB Municipal Storm Water Engineering Standards Checklist http://www.co.silverbow.mt.us/DocumentCenter/Home/View/86 <p>Due Date: December 31, 2017</p>
	iii. <ul style="list-style-type: none"> Require that all regulated projects implement post-construction storm water management controls that are designed to infiltrate, evapotranspire, and/or capture for reuse the post-construction runoff generated from the first 0.5 inches of rainfall from a 24-hour storm preceded by 48 hours of no measurable precipitation. For projects that cannot meet 100% of the runoff reduction requirement, the remainder of the runoff from the first 0.5 inches of rainfall must be either: <ul style="list-style-type: none"> Treated onsite using post-construction storm water management control(s) expected to remove 80 percent total suspended solids (TSS); Managed offsite within the same sub-watershed using post-construction storm water management control(s) that are designed to infiltrate, evapotranspire, and/or capture for reuse; or Treated offsite within the same subwatershed using post-construction stormwater management control(s) expected to remove 80 percent TSS. Permittees allowing offsite treatment shall do the following: <ul style="list-style-type: none"> Develop and apply criteria for determining the circumstances under which offsite treatment may be allowed. <ul style="list-style-type: none"> The criteria must be based on multiple factors, including but not limited to: 	2017	<p>Measurable Goal: <u>Update BSB Municipal Storm Water Engineering Standards to address performance standards outlined in Part III.B.5.b.iv.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ul style="list-style-type: none"> Define “regulated project” and “project area”. <i>BSB will revise BSB Municipal Storm Water Engineering Standards to include “regulated project” and “project area” definitions./Q1,Q2,Q3,Q4-2017</i> <i>BSB will review and revise existing MS4 definitions and BSB Variances and Exemptions./Q1,Q2-2017</i> Update BSB Municipal Storm Water Engineering Standards to address performance standards outlined in Part III.B.5.b.iv. <i>BSB will formalize performance standards./Q1,Q2,Q3,Q4-2017</i> Review submitted design plans to determine if they meet this requirement: “infiltrate, evapotranspire, and/or capture for reuse the post-construction runoff generated from the first 0.5 inches of rainfall from a 24-hour storm preceded by 48 hours of no measurable precipitation.”

	<ul style="list-style-type: none"> • Technical or logistic infeasibility (e.g. lack of available space; • High groundwater; • Groundwater contamination; • Poorly infiltrating soils; • Shallow bedrock; prohibitive costs; and/or • A land use that is inconsistent with capture and reuse or infiltration of storm water). <ul style="list-style-type: none"> ▪ Determinations may not be based solely on the difficulty and/or cost of implementation. ▪ The permittee must develop a formal review and approval process for determining projects eligible for offsite treatment. ▪ The offsite treatment option is to be used only after all onsite options have been evaluated and documented through the permittee's developed formal review and approval process. <ul style="list-style-type: none"> ○ Create and maintain an inventory of regulated projects which utilize offsite treatment of post-construction storm water runoff. The inventory must include the following information pertaining to each approved project: <ul style="list-style-type: none"> ▪ Geographic location of the project; ▪ Location of the offsite treatment facility which the project drains to; and ▪ Documentation of the rationale for approval of offsite treatment. ○ Submit adopted performance standards with the 1st Annual Report. 		<p><i>BSB will approve design plans that comply./Q1,Q2,Q3,Q4-2017</i></p> <ul style="list-style-type: none"> • Update Ordinance No. 10-13 and <i>BSB Municipal Storm Water Engineering Standards</i> to address off-site treatment. <i>BSB will review and revise Ordinance and Standards./Q1,Q2,Q3,Q4-2017</i> • Develop criteria for off-site treatment. <i>BSB will review and finalize criteria for off-site treatment using Off-site Treatment Evaluation Form.</i> • Create mechanism to inventory projects using offsite treatment. <i>BSB will inventory projects with offsite treatment./Q1,Q2,Q3,Q4-2017</i> <p>Resources:</p> <ul style="list-style-type: none"> • Ordinance No. 10-13 http://www.co.silverbow.mt.us/documentcenter/view/89 Pages 19-21 • BSB Municipal Storm Water Engineering Standards http://www.co.silverbow.mt.us/DocumentCenter/View/88 • BSB Municipal Storm Water Engineering Standards Checklist http://www.co.silverbow.mt.us/DocumentCenter/Home/View/86 <p>Due Date: December 31, 2017</p>
<p>c. Ensure that all post-construction storm water management controls are installed, operated and maintained in order to function as designed. Note: c(ii) & c(v) is for non-traditional MS4s only.</p>	<p>i.</p> <ul style="list-style-type: none"> • Develop and implement an inspection form or checklist to ensure consistent and thorough inspections of post-construction storm water management controls. • Submit with 2nd Annual Report 	2018	<p>Measurable Goal: <u>Develop an inspection checklist for post-construction storm water management controls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ul style="list-style-type: none"> • Develop an inspection checklist for post-construction storm water management controls. <i>BSB will review existing BSB Storm Water Management/BMP Maintenance Agreement and Post-Construction Stormwater Management Control Inspection Form and choose an inspection checklist. /Q1, Q2-2018.</i> <i>BSB will continue to use existing Inspection Checklists and protocol for Superfund Storm Water Structures within the Butte Priority Soils Operable Unit (BPSOU) as required under remedy. /2017-2021</i> <p>Resources:</p> <ul style="list-style-type: none"> • BSB Municipal Storm Water Engineering Standards, Pages 56-58 http://www.co.silverbow.mt.us/DocumentCenter/View/88 • Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Dates: December 31, 2018.</p>
	<p>iii.</p> <ul style="list-style-type: none"> • Develop and maintain/update an inventory (including at a minimum, a description and location) of all new permittee-owned and private post-construction storm water management controls. 	2018	<p>Measurable Goal: <u>Develop and maintain an inventory of new permittee-owned and private post-construction storm water management controls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> 1. Develop an inventory of new non-Superfund permittee-owned and private post-construction storm water management controls.

			<p><i>BSB will document and update inventory new controls./Q1,Q2,Q3,Q4-2018</i> <i>BSB will continue to update and maintain inventory of new Superfund Storm Water Structures installed within the Butte Priority Soils Operable Unit (BPSOU) as required under remedy. /2017 - 2021</i></p> <p>Resources:</p> <ul style="list-style-type: none"> Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Date: December 31, 2018</p>
	<p>iv.</p> <ul style="list-style-type: none"> Develop and maintain/update an inventory (including at a minimum, a description and location) of all existing permittee-owned and private high priority post-construction storm water management controls. Priority is to be determined by the permittee and should be based on potential water quality impact using specific criteria which may include: <ul style="list-style-type: none"> Operation and maintenance needs of the practices; Proximity to water body; Drainage area treated; Land use type; and Location within an impaired waterbody watershed. 	2019	<p>Measurable Goal: <u>Develop and maintain an inventory of existing permittee-owned and private post-construction storm water management controls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop an inventory of existing Non-Superfund permittee-owned and private high priority post construction storm water management controls. <i>BSB will document and update inventory of existing Non-Superfund controls./Q1,Q2,Q3,Q4-2019</i> <i>BSB will continue to maintain and update existing inventory of Superfund Storm Water Structures installed within the Butte Priority Soils Operable Unit (BPSOU) as required under remedy. /2017 - 2021</i> <p>Resources:</p> <ul style="list-style-type: none"> BSB website http://www.co.silverbow.mt.us/417/Superfund-Division Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Date: December 31, 2019</p>
	<p>vi.</p> <ul style="list-style-type: none"> Develop an inspection frequency determination protocol based upon the priority of the post-construction storm water management control. Priority is to be determined by the permittee and should be based on potential water quality impact using specific criteria which may include: <ul style="list-style-type: none"> Operation and maintenance needs of the practices; Proximity to water body; Drainage area treated; Land use type; and Location within an impaired waterbody watershed. Submit protocol with 2nd Annual Report. 	2018	<p>Measurable Goal: <u>Develop an inspection frequency determination protocol.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Develop an inspection frequency determination protocol. <i>BSB will review the Post-Construction Storm Water Management Control Inspection Frequency Determination Protocol and develop a protocol./Q3,Q4-2018</i> <i>BSB will continue to use inspection frequencies identified for Superfund Storm Water Structures within the Butte Priority Soils Operable Unit (BPSOU) as required under remedy. /2017-2021</i> <p>Resources:</p> <ul style="list-style-type: none"> Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Date: December 31, 2018</p>
	<p>vii.</p> <ul style="list-style-type: none"> Develop a program to either: <ul style="list-style-type: none"> Conduct inspections of high-priority post-construction storm water management controls at least annually, or To require self-inspection and reporting by owners at least 	2018	<p>Measurable Goal: <u>Develop post-construction inspection program.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p>

	<p>annually.</p> <ul style="list-style-type: none"> Submit program description with 2nd Annual Report. 		<p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Determine if BSB will conduct annual inspections of high-priority post-construction storm water management controls or require self-inspection and reporting by owners. <i>BSB will decide on requirement and prepare program description./Q3,Q4-2018</i> <p>Resources:</p> <ul style="list-style-type: none"> Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Date: December 31, 2018</p>
	<p>viii.</p> <ul style="list-style-type: none"> Inspect permittee-owned high priority post-construction storm water management controls annually and document findings and resulting compliance actions. 	<p>2019 2020 2021</p>	<p>Measurable Goal: <u>Inspect and document permittee-owned post-construction controls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Inspect BSB-owned high priority post-construction storm water management controls (i.e., ponds, ditches, etc.) annually. <i>BSB will inspect and document results./Q3,Q4-2019, 2020, 2021</i> <i>BSB will continue to inspect Superfund Storm Water Structures within the Butte Priority Soils Operable Unit (BPSOU) as required under remedy. /2017-2021</i> <p>Resources:</p> <ul style="list-style-type: none"> Interim Operation and Maintenance Plan for the BSB Superfund Storm Water System within the BPSOU. <p>Due Date: December 31, 2019; December 31, 2020; December 31, 2021</p>
	<p>ix.</p> <ul style="list-style-type: none"> Inspect or have inspected all high priority privately-owned post-construction storm water management controls annually. Document findings and resulting compliance actions. 	<p>2019 2020 2021</p>	<p>Measurable Goal: <u>Inspect privately-owned controls and document.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Inspect privately-owned high priority post-construction storm water management controls (i.e., ponds, ditches, etc.) annually. <i>BSB will inspect and document results./Q3,Q4-2019, 2020, 2021</i> <p>Due Date: December 31, 2019; December 31, 2020; December 31, 2021</p>
<p>d. Incorporate recommendations and requirements into plans, policies and ordinances which allow and support the utilization of LID concepts on public and private property.</p>	<p>i.</p> <ul style="list-style-type: none"> Convene appropriate staff and conduct a discussion to evaluate existing barriers to implementing LID infrastructure in the permittee’s codes, ordinances and policies. The outcome of this discussion must identify opportunities for change and address the potential inconsistencies between policies. Appropriate staff must include member(s) of various departments, some of which may include; <ul style="list-style-type: none"> Parks and Recreation; Public Works; Planning; Environmental Protection; Utilities; Transportation. Submit a summary of the discussion outcomes with the 4th Annual Report. 	<p>2020</p>	<p>Measurable Goal: <u>Incorporate utilization of LID concepts on public and private property into plans, policies and ordinances.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none"> Storm Water Management Team will discuss options for implementing and encouraging the use of LID infrastructure in the permittee’s codes, ordinances and policies. <i>BSB will document barriers and adjustments needed for codes, ordinances and policies.</i> <p>Resources:</p> <ul style="list-style-type: none"> EPA website https://www.epa.gov/green-infrastructure/green-infrastructure-design-and-implementation EPA

			<div>website https://www3.epa.gov/region1/npdes/stormwater/assets/pdfs/IncorporatingLID.pdf</div> <div><ul style="list-style-type: none">State of Washington Department of Ecology</div> <div>http://www.ecy.wa.gov/programs/wq/stormwater/municipal/LID/Resources.html</div> <div>Due Date: December 31, 2020</div>
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6.	POLLUTION PREVENTION /GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS The permittee shall develop and implement an operation and maintenance program which includes a training component, and has the ultimate goal of preventing or reducing pollutant runoff from permittee operations.			
Minimum Measure	Required BMP	Permit Year	Measurable Goal, Responsible Party, Action Items & Deliverables, Resources, and Due Date	
a. Identify the operation and maintenance program to prevent or reduce pollutant runoff from permittee-owned/operated facilities and field activities.	i. <ul style="list-style-type: none">Create an inventory of permittee-owned/operated facilities and activities that have the potential to release contaminants to the MS4. The inventory should include, at a minimum, the following:<ul style="list-style-type: none">1. Facilities:<ul style="list-style-type: none">maintenance and storage yards;waste handling and disposal areas;vehicle fleet or maintenance shops with outdoor storage areas;salt/sand storage locations; andsnow or dredge material disposal areas operated by the permittee.2. Activities:<ul style="list-style-type: none">park and open space maintenance;parking lot maintenance;building maintenance;road maintenance/deicing; andstorm water system maintenance including catch basin cleaning.List the possible contaminant(s) from each facility/activity and list the local department(s) and position(s) responsible for pollution prevention with each facility/activity.Update the inventory annually.	2017	Measurable Goal: <u>Update existing BSB owned and operated facility SWPPPs to identify activities that could potentially release contaminants to the MS4.</u> Responsible Party: BSB Storm Water Coordinator with assistance from other BSB Department Heads Action Items & Deliverables/Deadline: <ul style="list-style-type: none">1. Update inventory of BSB-owned/operated facilities and ensure that SWPPPs are prepared for each facility. <i>BSB will update CM#6 Worksheet 1a./Q4-2017</i>2. Update existing SWPPPs to ensure that inventory of BSB activities and pollutants are included. Review and updated SWPPPs annually. <i>BSB will update CM#6 Worksheet 1b./Q4-2017, 2018, 2019, 2020, 2021</i>3. Develop summary list of BSB personnel and contact information responsible for each facility and update annually. <i>BSB will compile a list of BSB personnel and contact information and update annually./Q4-2017</i> Resources: <ul style="list-style-type: none">BSB Facility Organization Chart, SWPPPs , and SWMP Due Date: December 31, 2017	
	ii. <ul style="list-style-type: none">Develop a map that identifies the locations of facilities and known locations of activities identified in 7.a.i.Update the map annually.	2018 2019 2020 2021	Measurable Goal: <u>Develop a map showing BSB owned and operated facilities.</u> Responsible Party: BSB Storm Water Coordinator, BSB GIS Department Action Items & Deliverables/Deadline: <ul style="list-style-type: none">1. Develop map of locations of BSB-owned/operated facilities and activities. Update annually. <i>BSB will prepare and share map with BSB employees, department heads and public (via website). Update annually./Q4-2018, 2019, 2020, 2021</i> Resources: <ul style="list-style-type: none">BSB Facility SWPPPs and SWMP Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021	
b.	iii. <ul style="list-style-type: none">Organize similar facilities and activities identified in 7.a.i. into categories, label the categories, and develop standard operating procedures (SOPs) for all categories.Development of the SOPs must include documented inspections and communication with relevant department personnel of 2 facilities/activities per category prior to SOP category completion.The SOPs must identify storm water pollution controls (structural and non-structural controls, and operation improvements) to be installed, implemented, and/or maintained to minimize the discharge of contaminants.The permittee must complete, at a minimum, the required SOPs according to the following schedule:	2018 2019 2020 2021	Measurable Goal: <u>Develop SOPs for BSB owned and operated facilities and activities.</u> Responsible Party: BSB Storm Water Coordinator Action Items & Deliverables/Deadline: <ul style="list-style-type: none">Prepare SOP’s for BSB-owned/operated facilities and activities. <i>BSB will revise existing SWPPPs (Civic Center, Kelly Shop, BSB Parks, Open Spaces, and Turf Management, old Maintenance Center) and adopt as SOPs./Q4-2018</i> <i>BSB will prepare SOPs for Road activities./Q4-2019.</i> <i>BSB will prepare SOPs for Storm water system maintenance./Q4-2020.</i> <i>BSB will prepare SOPs for new Maintenance Center, Crusher./Q4-2021.</i>	

	<ul style="list-style-type: none"> ○ one-fourth by the end of the 2nd permit year; ○ one-half by the end of the 3rd permit year; ○ three-fourths by the end of the 4th permit year; and ○ all by the end of the 5th permit year. <ul style="list-style-type: none"> ● Submit the completed SOPs annually starting with the 2nd Annual Report. 		<ul style="list-style-type: none"> ● Annually inspect and document 2 BSB-owned/operated facilities and activities per year. <i>BSB will inspect and document Civic Center and Kelly Shop./Q4-2018</i> <i>BSB will inspect and document BSB Parks, Open Spaces, and Turf Management./Q4-2019</i> <i>BSB will inspect and document Road activities (maintenance, deicing, snow removal, salt/sand storage, parking lot maintenance)and storm water system maintenance (HDDs and catch basin cleaning)./Q4-2020</i> <i>BSB will inspect and document Maintenance Center and Crusher)./Q4-2021</i> <p>Resources:</p> <ul style="list-style-type: none"> ● EPA website https://www.epa.gov/quality/guidance-preparing-standard-operating-procedures ● BSB Facility SWPPPs and SWMP ● BSB Superfund Storm Water Structure (SSWS) O&M Plan ● Training for Superfund Crews <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
c.	iv. <ul style="list-style-type: none"> ● Develop and internally document storm water pollution prevention training in conjunction with the development of the SOPs for each facility and category. 	2018 2019 2020 2021	<p>Measurable Goal: <u>Develop storm water pollution prevention training associated with each SOP.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ul style="list-style-type: none"> ● Plan and implement annual storm water pollution prevention training. <i>BSB will itemize pertinent storm water pollution prevention training goals during SOP development./Q4-2018, 2019, 2020,2021</i> <i>BSB will develop facility and pollutant specific training materials)./Q4-2021</i> <p>Resources:</p> <ul style="list-style-type: none"> ● EPA website https://www.epa.gov/quality/guidance-preparing-standard-operating-procedures ● SOPs (facility) SWPPPs ● BSB Training Materials (2012-present) <p>Due Date: December 31, 2018; December 31, 2019; December 31, 2020; December 31, 2021</p>
	v. <ul style="list-style-type: none"> ● Conduct annual storm water pollution prevention training for all permittee staff directly involved with implementing SOPs. ● Trainings will be conducted during the next permit year after development of each SOP. Example: SOP and training developed in 2nd Permit Year. Training conducted in 3rd Permit Year. ● Retain records of completed trainings and attendance. 	2019 2020 2021	<p>Measurable Goal: <u>Conduct storm water training for BSB personnel.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ul style="list-style-type: none"> ● Plan and document storm water pollution prevention. <i>BSB will conduct training as follows:</i> <i>Civic Center, Kelly Shop, BSB Parks, Open Spaces, and Turf Management./Q4-2019.</i> <i>BSB Road activities personnel and storm water system maintenance personnel./Q4-2020</i> <i>BSB Maintenance Center, Crusher personnel./Q4-2021.</i> <p>Resources:</p> <ul style="list-style-type: none"> ● SOPs (facility) SWPPPs. ● BSB Training Materials (2012-present) <p>Due Date: December 31, 2019; December 31, 2020; December 31, 2021</p>

7.	PROGRAM MANAGEMENT MONITORING TRAINING		
Program Management		Permit Requirement	BMPs
Effective Program Management is essential to guide the development, implementation, administration, and assessment of a SWMP. Each control measure should have a clear management process that defines and facilitates activities by the permittee, co-permittees, partnering agencies/organizations, and other stakeholders. Another important aspect of a successful Program Management component is to ensure that there are measurable goals and standards by which program effectiveness can be evaluated. The entire MS4 program, as a whole, should be regularly assessed and modified to increase its effectiveness.		<ul style="list-style-type: none">Within 60 days of the permit effective date (assume January 1, 2017), all permittees must develop a storm water management team, including a primary SWMP coordinator, and organizational chart which identified the position responsible for implementing each minimum measure.Any updates to this information shall be submitted with Annual Reports.	<p>Measurable Goal: <u>Organize storm water management team.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items & Deliverables/Deadline:</p> <ol style="list-style-type: none">Formation of BSB Storm Water MS4 Team (“Team”). <i>BSB will formulate a storm water management team, assign a coordinator, and complete an organizational chart./Q1-2017</i>Regular meetings of BSB Storm Water MS4 Team. <i>The Team will meet quarterly to review status of SWMP activities and track the status of interim deadlines and deliverables. The SWMP will be also be reviewed by the Team annually and updated as necessary./Q1,Q2,Q3,Q4-2017</i>MS4 Presentation to BSB Council of Commissioners. <i>BSB will present a MS4 summary./Q2-2017, 2019, 2021</i>Training/Education for Contractors, Developers, and other stakeholders. <i>BSB will conduct training and solicit input on SWMP from contractors, developers, and other stakeholders./Q3-2017, 2019, 2021</i> <p>Resources:</p> <ul style="list-style-type: none">EPA website https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overviewMDEQ MS4 website http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 <p>Due Date: Annual requirements as described above.</p>
Monitoring		Permit Requirement	BMPs
Permittees with a storm water discharge to an impaired waterbody must conduct storm water discharge monitoring according to Part III. Special Conditions.		<ul style="list-style-type: none">TMDL-Related MonitoringSelf-MonitoringAnnual Report	<p>Measurable Goal: <u>Monitor storm water at Outfalls.</u></p> <p>Responsible Party: BSB Storm Water Coordinator, BSB Storm Water MS4 Team.</p> <p>TMDL-Related Monitoring Action Items:</p> <ol style="list-style-type: none">Review TMDLs for Impaired Waterbodies (Silver Bow Creek) and develop BMPs to address pollutants of concern (POC). <i>BSB Team will evaluate TMDLs for Silver Bow Creek and WLA’s for the Butte MS4, as well as pollutants of concern related to the Butte Priority Soils Operable Unit (BPSOU) Superfund site. BSB will work with regulatory stakeholders to develop appropriate BMPs to address pollutants.</i>Implement TMDL monitoring program.<ul style="list-style-type: none">-Coordinate with partners, EPA, MDEQ, and BP ARCO to use existing Superfund monitoring information.-Adapt parameters and locations to comply with monitoring requirements.-Prepare and submit SAP.-Identify BMPs to be implemented,-Determine MS4 impairment priorities,-Determine long term strategies to address impairments,-Outline interim milestones to comply with TMDL.

		<p>Due Date: TMDL-Related Monitoring will begin no later than March 1, 2018.</p> <p>Self-Monitoring Action Items:</p> <ol style="list-style-type: none">1. Implement MS4 Self-monitoring; conduct semi-annually per CFR 40.2. Report monitoring results (as per (Part IV. B.) <i>-Submit with each annual report.</i> <i>-Calculate long-term median concentration of each parameter in Table 1 of Part IV.a.</i> <i>- With each annual report submit an evaluation of the monitoring results relative to the long-term median. Include:</i> <i>a) comparisons between monitoring locations,</i> <i>b) determinations for exceedances of the calculated long-term median or results outside the pH range of 6.0 to 9.0 standard units, and</i> <i>c) schedule and rationale for BMPs planned to improve water quality of storm water discharges based on monitoring results.</i>3. Report monitoring results (as per (Part IV. C.) <i>-Provide the following information:</i> <i>a) date, exact place, and time of sampling,</i> <i>b) estimated duration (in hours) of the storm event sampled,</i> <i>c) total rainfall measurement or estimates (in inches) of the storm event which generated the sampled runoff,</i> <i>d) names of sampler(s),</i> <i>e) complete analytical laboratory test results data.</i> <p>Annual Report Action Items:</p> <ol style="list-style-type: none">1. Submit annual report,2. Submit signed copy by March 1st of each year for the preceding calendar year,3. Each co-permittee will submit an annual report,4. MDEQ will provide an annual report form for use by BSB,5. Additional information will be provided at the same time as the annual report,6. Monitoring results and evaluation (Part IV.B.) must be attached to the annual report form,7. Provide SWMP updates, changes, or improvements including a date and description of the updates, changes, or improvements,8. Submit a full-size hard copy of storm sewer system maps with each annual report.9. The first annual report if for the first calendar year of the General Permit coverage period.10. The annual report must comply with signatory and certification requirements as per Part VI.11. SWMP updates /revisions will be retained onsite and must be available upon request. <p>Resources:</p> <ol style="list-style-type: none">1. EPA website https://www.epa.gov/npdes/stormwater-discharges-municipal-sources#overview2. MDEQ MS4 website http://deq.mt.gov/Water/WPB/mpdes/stormwater/ms4 2017-2021 General Permit for Storm Water Discharges Associated with Small MS4s- Appendix A: TMDLs with MS4 Approved WLAs3. MDEQ Final - Silver Bow Creek and Clark Fork River Metals TMDLs http://deq.mt.gov/Portals/112/water/wqpb/CWAIC/TMDL/C01-TMDL-05a.pdf
Training	Permit Requirement	BMPs

<p>Employee training is an important aspect of the MS4 permit as municipal staff and stakeholders need to understand the expectations and permit requirements. Training validates the serious nature of the MS4 program and raises awareness about protecting the environment from pollutants.</p>	<ul style="list-style-type: none">• Conduct comprehensive training during 1st year of permit term for all members of the storm water management team to educate them about the new permit, the updated SWMP and the implementation responsibilities for the upcoming permit term. New members of the storm water management team must receive the equivalent amount of training within 90 days of the hire date.• Conduct storm water awareness training, at a minimum, during 1st and 4th years of permit term for all appropriate permittee field staff (and pretreatment inspection staff) and staff who work at permittee facilities. The training must provide education regarding storm water impacts, the MS4 permit, the detection and elimination of illicit discharges and the implementation of the ERP, and specifically address BMPs necessary to minimize discharges of pollutants during permit activities or the operation of permittee facilities. Appropriate new field staff and staff who work at permittee faculties must receive the equivalent amount of training within 90 days of the hire date.• Conduct raining during, at a minimum, during 1st and 4th years of the permit term for all inspectors and plan reviewers responsible for implementation of the <u>Construction</u> Site Storm Water Management Control Minimum Measure. Inspection training shall include inspection protocol and the implementation of the ERP upon development. New inspectors and plan reviewer must receive must receive the equivalent amount of training within 90 days of the hire date.• Conduct raining during, at a minimum, during 1st and 4th years of the permit term for all inspectors and plan reviewers responsible for implementation of the <u>Post-Construction</u> Site Storm Water Management in New Development and Redevelopment Minimum Measure. Inspector training shall include inspection protocol and the implementation of the ERP. New inspectors and plan reviewers must receive the equivalent amount of training within 90 days of the hire date.• Conduct training, at the schedule outlined within Part II6.1.v, for storm water staff responsible for implementing Standards Operating Procedures (SOPs) developed as a requirement of the Pollution Prevention/Good Housekeeping minimum Measure. Training must be oriented to staff involved with SOP-specific duties. New storm water staff responsible for implementing SOPs must receive the equivalent amount of training within 90 days of the hire date.	<p>Measurable Goal: <u>Train municipal staff and stakeholders.</u></p> <p>Responsible Party: BSB Storm Water Coordinator</p> <p>Action Items:</p> <ol style="list-style-type: none">1. Train BSB Storm Water MS4 Team./1st year – 2017 and within 90-days of new employee hire date2. Train field staff (and pretreatment inspection staff) and staff who work at permittee facilities./1st & 4th year - 2017 & 2020.3. Train inspectors and plan reviewers responsible for Construction Site Storm Water Management Control Minimum Measure./1st & 4th year - 2017 & 2020.4. Train inspectors and plan reviewers responsible for Post-Construction Site Storm Water Management in New Development and Redevelopment Minimum Measure./1st & 4th year - 2017 & 2020.5. Train storm water staff responsible for SOPs./Within 90-days of hire date.
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