



Butte – Silver Bow MS4 2023 Annual Report

Butte, Montana



Prepared for:

Butte-Silver Bow Metro

800 Centennial Road
Butte, Montana 59701

Butte-Silver Bow Public Works

126 W. Granite Street
Butte, Montana 59701

February 2024

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THE CITY-COUNTY OF Butte-Silver Bow

March 1, 2024

Christopher Romankiewicz
Lead Compliance Inspector
Compliance, Training, and Technical Assistance Water Quality Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: Butte-Silver Bow 2023 MS4 Annual Report & Submittal of Annual Report, Montana Pollutant Discharge Elimination System (MPDES) Permit Authorization MTR040006, Butte-Silver Bow Small MS-4 Responses

Dear Chris:

Thank you for your interest in Butte-Silver Bow's (BSB) MS4 program. We are proud of the accomplishments we have achieved and the progress we have made with our program since the first generation MS4 permit was issued in 2005. Our MS4 is complex, topographically, geologically, historically, and politically. Impacts from historic mining, as well as ongoing surface mining activities that occur within our city and MS4 boundary, have profound ramifications on the difficulty of storm water management within our municipality and the resulting quality of our storm water. BSB has coordinated closely with continuing Superfund remedial efforts to reduce mining impacts and has attempted to focus our MS4 work in a manner that compliments Superfund efforts.

Butte-Silver Bow (BSB) has included in this letter a response to the Montana Department of Environmental Quality (DEQ) feedback on the 2022 annual report with submission for the 2023 annual report to acknowledge the following feedback for each of the Minimum Control Measures (MCM) and to expedite review of areas addressed to improve program performance:

- Minimum Control Measure 1 and 2 - Public Education, Outreach, Involvement, and Participation
 1. BSB Website - BSB's first stated goal in the December 2022 Storm Water Management Plan (SWMP) is to maintain the BSB storm water website. However, DEQ noted some dated material on the website, including the SWMP (2016), the Annual Report (2022 is not yet on-line), available sampling results (2017-2019), and DEQ's expired General Permit for Storm Water Associated with Construction Activity (2017). We suggest that BSB work to update the city's storm water website.

Response: BSB will update the website to include the updated SWMP, Annual Report, Sampling Results and the Updated General Permit immediately following the submittal of this annual report.

2. SWMP (December 2022) - The SWMP does not identify target audiences, associate proposed outreach strategies with specific audiences, include goals for at least four outreach activities per year, or show how BSB will document participation and feedback. In addition, the SWMP does not include a description of formalized mechanisms for regular communication for the upcoming permit cycle (including meetings, email updates, etc). Both the SWMP and annual report should describe how the different entities within Butte-Silver Bow will coordinate and the outcome of these coordinated efforts.

Response: BSB has updated a matrix table to track identified target audiences for the reporting year and future year included as Table 1 in Appendix B. The SWMT will meet in April 2024 to address how to coordinate different entities more effectively to accomplish these goals and update the SWMP to include a description of our MS4 Coordination Team meetings. Appendix I includes all of the agendas from those meetings for 2023.

3. Tailor Outreach Strategy to Target Audiences - in the annual report, BSB identified more than four key target audiences and documented past multi-media outreach strategies; however, there is a disconnect between the two. For instance, the annual report identified smokers as a target audience but there is not a tie-in with any specific strategy. We suggest BSB provide an overview, such as a table, at the beginning of Appendix B for any future Annual Reports, to tie together how BSB tailored each outreach strategy to each target audience for a given year.

Response: See above response.

4. Performance Tracking Goals - the city provided an impressive amount of outreach conducted in 2022. The annual report cover letter also reports a huge amount of sediment prevented from entering the waterways. However, BSB did not provide numeric goals for 2023 (or beyond). Consider clearly providing the budget/specific numeric goals for each planned outreach strategy.

Response: BSB has added a column to the matrix table mentioned above to provide a budget/specific numeric goals for each planned outreach strategy in 2024.

- Minimum Control Measure 3 - Illicit Discharge Detection and Elimination (IDDE)

1. SWMP - Part I1.A.3.a.ii. requirement for a list of significant and non-significant non-stormwater discharges is not clearly fulfilled with Appendix C of the 2022 Annual Report. DEQ recommends that BSB provide a list in the beginning of Appendix C, before the annual assessment reports, for ease of review. In addition, nutrients (nitrogen and phosphorus) and pesticides should be listed as associated pollutants for #4 Landscape Irrigation.

Response: BSB has implemented these recommendations.

2. Waterline Flushing - BSB SOP #18 recognizes waterline flushing as a non-storm water discharge that may need coverage under DEQ's General Permit for Disinfected Water and Hydrostatic Testing (MTG770000). However, DEQ does not have a record of an MPDES permit authorization under this general permit for discharges associated with waterline flushing and/or municipal pool discharges within the BSB MS4 area. DEQ recommends that BSB evaluate these potential sources of discharge and acquire city-wide permit coverage if the discharge may reach state waters, including city storm drains.

Response: BSB has updated their SOP #18 to reflect this and further evaluate these potential sources of discharge. A summary of the SOP evaluations is included in Appendix H.

3. Construction Dewatering - consider adding discharges from construction dewatering activities as a non-storm water discharge that may be a significant contributor of pollutants. Discharge from construction dewatering into surface water, including storm sewer systems, is a regulated activity and the owner/operator of this activity is subject to permitting under DEQ's General Permit for Construction Dewatering (MTG070000). Additionally, the owner/operator must address dewatering discharges under the General Permit for Storm Water Discharges Associated with Construction Activities.

Response: BSB had not encountered construction dewatering within the MS4 until 2023. An inventory of construction dewatering within the MS4 has been created and is included in Appendix C.

4. Illicit Discharge Investigation and Corrective Action Plan - BSB needs to develop and implement a stand-alone plan as required by MCM #3.c. The 2022 SWMP stated that BSB will develop the plan. Please be sure to include the plan and specify where to find it in future annual reports.

Response: BSB had updated their IDDE and ERP plan from 2018 in 2023. It is included in Appendix E.

5. IDDE High Priority Outfalls - WET stated there are five high priority outfalls (2023 Stormwater Management Program Changes Presentation); the 2022 Annual Report stated there are four. The SWMP included a goal to inspect the high priority outfalls annually; however, it does not identify which outfalls are high priority. We suggest for future annual reports you add a list of all outfalls at the beginning of Appendix E and identify which are high priority for ease of review.

Response: BSB has implemented these recommendations.

6. IDDE Site Inspections - The forms BSB provided in Appendix E indicate all the IDDE outfall inspections were conducted on October 6th or December 14th (frozen conditions); you should look at your inspection protocol and ensure that your inspections are done throughout the year.

Furthermore, there should be clear goals on how and when dry weather sites are inspected by BSB.

Response: BSB has reviewed the goals on how and when dry weather sites are inspected by BSB and will continue training to ensure goals are met when conducting these inspections. All inspections in 2023 were conducted in accordance with the goals. The resulting actions from screening results are included in Appendix E.

- Minimum Control Measure 4 - Construction Site Storm Water Management

1. Please be sure to review the January 1, 2023, General Permit for Storm Water Discharges Associated with Construction Activity and update the BSB Erosion Control Site Plan Checklist and Construction Site Inspection forms to reflect the current requirements in Part 2.1 Technology-Based Effluent Limitations of that permit. Specifically, BSB's forms do not include the requirement to remove temporary Best Management Practices (BMPs) and/or the transition of temporary BMPs to permanent BMPs. Updating these forms to address these requirements will help ensure post-construction BMPs are installed, operated, and maintained to function as designed following the end of construction.

Response: BSB has met and will be modifying the engineering standards and stormwater ordinance to allow this to be enforced. Once this is approved, all forms will be updated to include the requirement to remove temporary BMPs. Forms that are updated in 2024 will be included in next year's annual report.

2. Site Inspections - The forms BSB provided in Appendix F indicate all the construction activity inspections were conducted on December 14th (frozen conditions); you should look at your inspection protocol and ensure that your inspections are done throughout the year. Furthermore, there should be clear goals on how and when construction sites are inspected by BSB. Refer to the inspection frequency protocol requirement in the General Permit.

Response: BSB has reviewed the inspection frequency protocol on how and when construction sites are inspected by BSB and significant strides were made in the implementation of this protocol. All inspections performed in 2023 are included in Appendix F.

- Minimum Control Measure 5 - Post-Construction Site Storm Water Management

1. In the 2022 SWMP (Appendix K) under MCM #5, 5.b.ii and b.iii, BSB provides their goal to maintain an inventory of post-construction storm water management controls; however, DEQ could not locate the list on the website, the 2022 annual report, or the

SWMP. Please develop, maintain, and provide a clear list with future annual reports. One suggestion is to translate the series of maps provided with the 2022 Annual Report into a list of high priority post- construction control measures.

Response: BSB has a goal in 2024 to take inventory of all post-construction stormwater management controls and also target their owner for education on how to maintain their infrastructure. BSB also plans to implement this data into a web map interface for public viewing. This goal is identified in Table 1 of Appendix B.

2. Permittee-owned High Priority Post-Construction requirements under the SWMP Part 5.b. (Appendix G) did not include an inventory, routine inspection list, or logs of post-construction inspections performed.

Response: BSB has not identified to this date any permittee-owned high-priority post-construction stormwater management controls. As BPSOU remedy continues to be implemented, BSB will catalog an inventory and develop the inspection protocols.

3. Please continue to assess and document existing ordinances, policies, programs, and studies to identify whether LID concepts have been implemented for new and redevelopment projects. Please note that a plan must be developed and submitted by the end of the third year of the permit cycle that outlines modifications to codes, ordinances, policies, and programs to implement LID and green infrastructure. Consider providing training to relevant employees on the types and applications of LID and green infrastructure to address the barriers to low impact development and green infrastructure in Butte as presented in the SWMP under MCM #5.d.

Response: BSB has added LID to the agenda for the Q2 SWMT meeting and recognized during the ordinance review meeting conducted in February 2024 that the ordinance will be updated to require LID and green infrastructure moving forward once the plan is developed and submitted.

- Minimum Control Measure 6 - Pollution Prevention and Good Housekeeping

1. Operation and Maintenance Plan - In the SWMP under MCM#S., b.ii and b.iii and MCM #6.a, BSB provides their goal to maintain an inventory of post-construction storm water management controls; however, DEQ could not locate the list on the website, the 2022 annual report, or the SWMP.

Response: BSB has a goal in 2024 to take inventory of all post-construction stormwater management controls and also target their owner for education on how to maintain their infrastructure. BSB also plans to implement this data into a web map interface for public viewing. This goal is identified in Table 1 of Appendix B.

2. Training - Please remember to conduct and document training for employees, construction site personnel, and field personnel per MCM#6, a.iv., the General Permit Part I1.B, and relevant BSB SOPs, including SOP #5.

Response: BSB targeted construction inspection personnel training with

the attendance of BMP 301R. BSB has complied with the permit requirements to have a SWMT comprehensive training in 1st year of the permit term. All members of the BSB inspection team are SWPPP certified and have been trained in accordance with the inspection protocol and implementation of the ERP. In 2024 BSB will conduct post-construction site personnel training, including educational outreach to post-construction facility owners. During the 1st year of the permit term BSB provided all members of the SWMT with introductory paperwork that satisfies the training requirement for field and facility personnel. Department specific SOPs will be distributed to each department during the Q2 SWMT meeting to further implement this training requirement within the MS4.

The complete annual report is included with this letter. If you have any questions or concerns with this response, please contact me at mneary@bsb.mt.gov or 406.497.6519.

A handwritten signature in black ink, appearing to read 'M. Neary', is positioned above the printed name.

Mark Neary
Butte-Silver Bow Public Works Director
City-County of Butte-Silver Bow
126 West Granite
Butte, MT 59701

Minimum Control Measure 3 *(attach the following in the order listed)*

List of potential non-storm water discharges identified as significant contributors of pollutants (i.e. illicit discharges), associated pollutants, and any local controls or conditions placed on these discharges. ☐ Attached ☐ Not Attached **Appendix C**

Have there been updates to the MS4's storm sewer maps? ☐ Yes ☐ No, the map(s) were last updated: _____

If yes, submit the maps using one of the following options:

- ☐ Electronic GIS shapefiles emailed to DEQMPDESDataManagement@mt.gov
- ☐ Attached Hard copy **Appendix D**
- ☐ Link to online map:

BSB Maintains GIS Maps of the SW Infrastructure. Figures 3a - 3h were updated in 2023.

Summary of investigations and corrective actions taken over the past year per the Illicit Discharge and Corrective Action Plan. ☐ Attached ☐ Not Attached

Number of outfalls inspected during dry weather: ____ of ____ *(total number of outfalls)*

Number of high priority outfalls inspected: ____ of ____ *(total number of high priority outfalls)*

Attach a summary of any resulting actions taken from screening results. ☐ Attached ☐ Not Applicable **Appendix E**

Year 2023 only, unless updates were made:

A copy or link to the adopted ordinance, policy, procedure, and/ or regulatory mechanism prohibiting illicit discharges.

☐ Attached or ☐ Link _____ **Appendix E**

Minimum Control Measure 4 *(attach the following in the order listed)*

List of construction sites/projects inspected over the last year and any resulting actions. ☐ Attached ☐ Not Attached

Year 2023 only, unless updates were made:

A copy of the construction storm water management plan review checklist. ☐ Attached ☐ Not Attached

A copy of the construction site inspection form or checklist. ☐ Attached ☐ Not Attached

A copy or link to the adopted ordinance, policy, procedure, and/or regulatory mechanism requiring construction storm water controls. ☐ Attached or ☐ Link _____

Appendix F includes list. See response letter for status of updated forms.

Minimum Control Measure 5 *(attach the following in the order listed)*

Inventory of regulated projects using offsite treatment for post-construction runoff. ☐ Attached ☐ Not Applicable

Number of high priority post-construction storm water management controls inspected: _____

Attach a summary of any resulting actions taken from inspections. ☐ Attached ☐ Not Applicable

Year 2023 only, unless updates were made:

A copy of the post-construction storm water management plan review checklist. ☐ Attached ☐ Not Attached

A copy of the post-construction site inspection form or checklist. ☐ Attached ☐ Not Attached

See response letter for post-construction inventory plans.

A copy or link to the adopted ordinance, policy, procedure, and/or regulatory mechanism requiring post-construction storm water controls. ☐ Attached or ☐ Link _____

Year 2025 only: Submit a plan to modify relevant codes, ordinances, policies, and/or programs to implement LID/green infrastructure concepts. ☐ Attached ☐ Not Attached

Minimum Control Measure 6 *(attach the following in the order listed)*

Number of SOPs evaluated: ____ of ____ *(total number of SOPs for permittee facilities/activities)*

Summary of SOP updates made in the last year. ☐ Attached ☐ Not Applicable

Appendix G

Records of completed trainings in conformance with section II.B. of the General Permit. ☐ Attached ☐ Not Attached

Appendix H

Year 2023 only, unless updates were made:

Appendix I

Inventory of permittee facilities/activities with potential to contribute contaminants. ☒ Attached ☐ Not Attached

Summary of inspection procedures for facilities and their structural storm water controls. ☒ Attached ☐ Not Attached

Storm Water Management Plan (SWMP)

In the last year, were any public comments received on the SWMP? ☐ Yes ☒ No

If yes, attach a summary of comments received. ☐ Attached ☒ Not Applicable

In the last year, have additional SWMP updates been made other than those listed above? ☐ Yes ☒ No

If yes, attach a summary including the date and description of updates and rationale for decision making.

☐ Attached ☒ Not Applicable

Monitoring and Reporting *(attach the following in the order listed)*

☒ I verify all outfall monitoring has been performed and recorded in conformance with section II.C. and II.D. of the General Permit. *(If not able to dependably obtain two samples a year at each monitoring location, attach a summary of rationale. Contact DEQ regarding requests for a change in monitoring locations.)* Appendix J includes rationale for obtaining three samples in 2023.

Attach a summary of implemented BMPs used to target and reduce discharges to impaired waterbodies and a schedule for the following year's BMP implementation. ☒ Attached ☐ Not Applicable Appendix K

Year 2023 only, unless updates were made: Attach an inventory of outfalls discharging to impaired waterbodies including associated pollutants. ☐ Attached ☒ Not Applicable Appendix J includes monitoring summary and reporting for 2023.

MS4s with an approved TMDL:

Appendix L submitted due to updates.

Year 2023 only: Submit a TMDL-related sampling plan for DEQ review. ☒ Attached ☐ Not Applicable

Years 2024, 2025, and 2026: In the last year, were any public comments received on the sampling plan? ☐ Yes ☒ No

If yes, attach a summary of comments received and any resulting actions/modifications. ☒ Attached ☐ Not Applicable

Certification*

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA].

Name (Type or Print)

Mark Neary

Title (Type or Print)

Public Works Director

Phone Number

706-497-6519

Signature

gma

Date Signed

2/29/24

* This Annual Report Form must be completed, signed, and certified as follows:

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

Year 2023 only, unless updates were made:

Appendix I

Inventory of permittee facilities/activities with potential to contribute contaminants. ☐ Attached ☐ Not Attached

Summary of inspection procedures for facilities and their structural storm water controls. ☐ Attached ☐ Not Attached

Storm Water Management Plan (SWMP)

In the last year, were any public comments received on the SWMP? ☐ Yes ☐ No

If yes, attach a summary of comments received. ☐ Attached ☐ Not Applicable

In the last year, have additional SWMP updates been made other than those listed above? ☐ Yes ☐ No

If yes, attach a summary including the date and description of updates and rationale for decision making.

☐ Attached ☐ Not Applicable

Monitoring and Reporting (attach the following in the order listed)

☐ I verify all outfall monitoring has been performed and recorded in conformance with section II.C. and II.D. of the General Permit. (If not able to dependably obtain two samples a year at each monitoring location, attach a summary of rationale. Contact DEQ regarding requests for a change in monitoring locations.) **Appendix J includes rationale for obtaining three samples in 2023.**

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA].

Name (Type or Print)

Title (Type or Print)

Phone Number

Signature

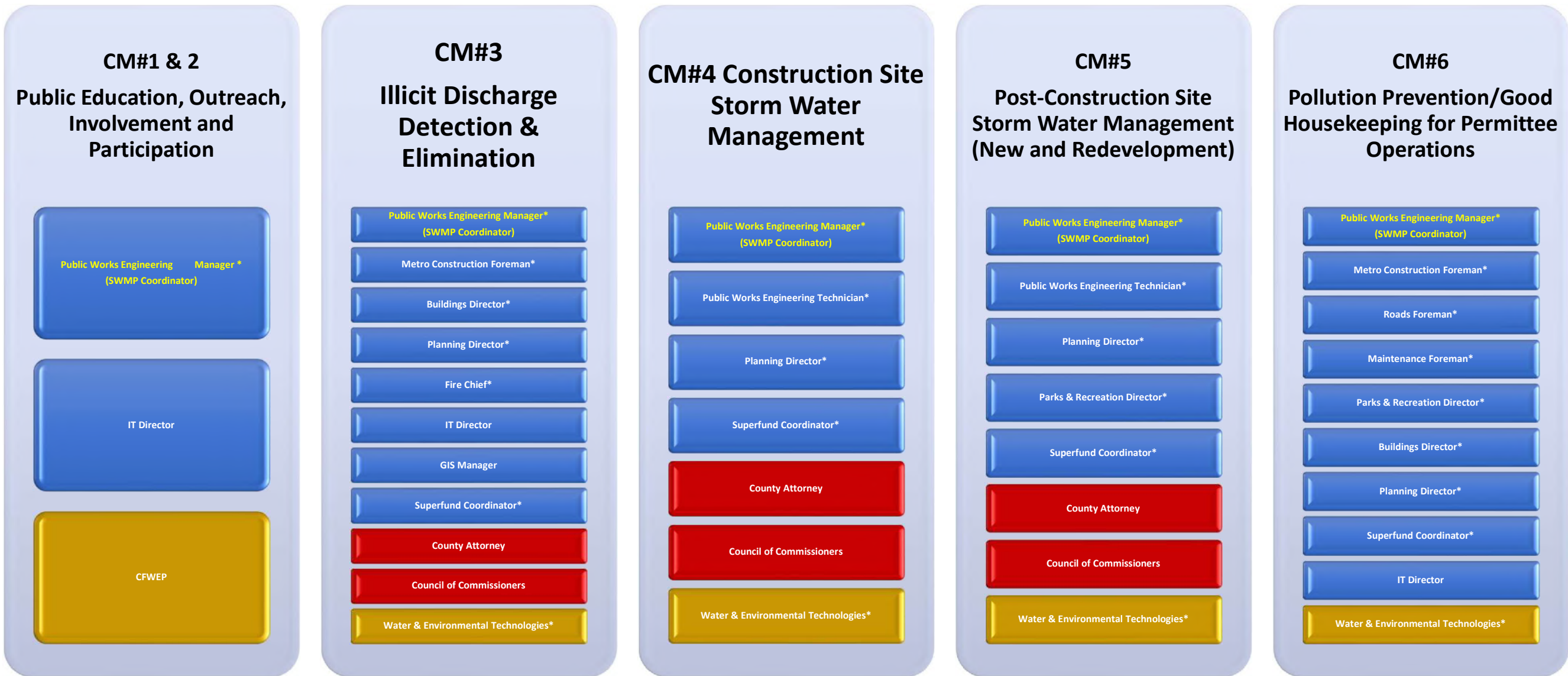
Date Signed

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Appendix A
Butte Silver Bow
SWMP
Organization Chart

**Butte-Silver Bow
MS4 Stormwater
Control Measure Responsibility
Organizational Chart**



Legend:



* SWMP Team Member



**City of Butte Municipal Separate Storm Sewer System (MS4)
Storm Water Management Team (SWMT) Members Contact Information**

NAME	ORGANIZATION	Phone #	Email
JP Gallagher	BSB Chief Executive	406-497-6200	jgallagher@bsb.mt.gov
Mark Neary	BSB PW Director	406-497-6519	mneary@bsb.mt.gov
Kyle West	BSB PW Engineering	406-497-6532	kwest@bsb.mt.gov
Julia Crain	BSB Planning Director	406-497-6256	jcrain@bsb.mt.gov
Zane Gleason	Project Manager/Compliance Specialist	406-497-6518	zdgleason@bsb.mt.gov
John Sullivan	BSB Gov't Buildings Director	406-497-6573	jsullivan@bsb.mt.gov
Ed Heard	BSB P & R Director	406-497-6571	ejheard@bsb.mt.gov
Pete Schonsberg	BSB P & R Park Superintendent	406-497-6571	pschonsberg@bsb.mt.gov
Eric Hassler	BSB Reclamation & Environmental Services Director	406-497-5042	ehassler@bsb.mt.gov
Jim Keenan	BSB Water Treatment Superintendent	406-497-6596	jkeenan@bsb.mt.gov
Tom Loggins	BSB Roads	406-497-6567	tloggins@bsb.mt.gov
Bill Andrene	BSB Metro Sewer	406-497-6553	wandrene@bsb.mt.gov
Justin Thatcher	BSB Metro Maintenance	406-431-2011	jthatcher@bsb.mt.gov
Rayelynn Brandl	CFWEP	406-496-4898	rbrandl@mttech.edu
Teal Taylor	CFWEP	406-491-0665	TTaylor@mttech.edu
Josh Vincent	WET	406-723-1534	jvincent@waterenvtech.com
Stephen Coe	WET	406-299-9858	scoe@waterenvtech.com
Dylan Livingston	WET	406-579-7234	dlivingston@waterenvtech.com

Appendix B

MCM 1&2 Summary & SWMP Budget

Table 1 : Documentation of Participation and Feedback for MCM 1&2								
2023 Public Education & Outreach Performance					2024 Planned Public Education & Outreach Performance			
Target Audiences	Outreach Strategy	Outreach Activity	Participation and Feedback	Results	Target Audiences	Outreach Strategy	Outreach Activity	Budget/Numeric Goal
Construction Industry	Active Strategy: Industry Specific Training	Provided two trainings for contractors on June 7, 2023Training on MS4 requirements, permitting process, and Silver Bow County specific information regarding Superfund.	Feedback from the contractors was positive. Some members requested information from CFWEP regarding outreach projects for youth and later participated in clean up events.	4 contractors, planning department representatives and other BSB staff attended the training. Total participants were 18.	Mobile Cleaning/Carpet Cleaning	Passive Strategy: Educational Signage	Creating industry specific signage about where to dump cleaning wastes, reporting spills, etc.	Reach 3 companies in Butte.
Gas Stations	Passive Outreach Strategy: Educational Signage	CFWEP and WET worked with the enviornmental liasons for Town Pump to develop informational signage regarding gas station spills. These posters were distributed to all town pump locations in Butte. Signage was also shared with the remaining gas station retailers in Butte.	Town Pump's environmental management team was pleased with the educational signage and recommended that these be shared widely for the Town Pump stores.	Signs are currently displayed in break rooms and information is provided as part of employee on-boarding at the Town Pump locations.	Restaurants	Passive Strategy: Educational Signage	Creating posters for restaurants to post regarding handling of grease, cleaning procedures, location of grease disposal containers, and spill reporting procedures	Reach 50 restaurants/FOG users in Butte.
Residential Behaviors	Active Outreach Strategies:Clean-up Days; Public Workshops	In 2023, the team hosted nine clean-up days located nearby local elementary and middle schools. Adult volunteers were recruited from the community to assist with the clean-up and student supervision. During Earth Month (May), the team hosted events including the following: Bird Walk Education; Master Gardner Workshop--Rain Gardens; Art Walk--Tabling info for pollinator gardens and wilflower seed packet distribution; public radio interviews	Feedback from tabling events and workshops was overwhelmingly positive. CFWEP continues to have requests for calendar dates for next year's events.	The program distributed 500 seed packets during Earth Month Events. Adult volunteers for the clean-up days totaled 25, not including CFWEP staff members. At the Bird Walk Event, six community members were in attendance, numbers for the gardening workshop were not tracked and are unavailable.	Post Construction Facility Owners	Active Strategy: Provide training regarding post-construction maintenance.		\$142,500 set aside in Budget for Professional Services. \$5,000 to be used on Post Construction Facility Owner Map and Inventory
	Passive Outreach Strategies: TV, radio, and print advertising; Social Media; Educational Brochures; Sponsorhsip of Community Events Community Artwork	Radio PSA's: 435 ads ran from January through August 2023. TV PSA's: 187 ads ran on both local stations between April and August. The community artwork campaign started in May and ended in August, with final selections of stormwater wraps concluding in September. Butte Silver Bow Stormwater was a featured sponsor during each community outreach event.	Radio PSA's and TV ad desgin was completed at the beginning of 2023. Ads were vetted by the MS4 team. Ads were also played on social media, gaining good engagement. The community artwork campaign was the strongest social media response, gaining the most comments and likes during the selection process.	Four signal box wraps were installed in September 2023, completing this outreach.	Residential Behaviors	Passive Strategy: TV, Radio and social media ads Active Strategy: Community Workshop events		Run 500 ads total
Students	Active Outreach: Clean up Days, Classroom Education	Clean-up days nearby local schools; classroom curriculum about stormwater delivered during regular class days at middle schools.	The team recruited eight schools and 21 teachers to participate in clean up days. For classroom outreach, the team completed SW education days with East Middle School and Butte Central Elementary for four teachers.	The total number of students served during clean up days was 559. For classroom outreach, the team served 296 students.	General Housekeeping	Active Strategy: Provide training to each department of BSB SWMT on specific SOPs.		Train all 8 departments
					Students	Active Strategy: Clean-up events with local schools, targeted stormwater education in science classrooms		Reach 250 students annually



Clark Fork Watershed
Education Program

2023

MS4 Annual Report



Report provided by:
Rayelynn Brandl
Executive Director, Clark Fork Watershed
Education Program

Executive Summary



Clark Fork Watershed
Education Program

The Clark Fork Watershed Education Program (CFWEP) is responsible for the public education and outreach and public participation aspects of the MS4 permit through the contract with Butte-Silver Bow County. CFWEP met or exceeded all contract deliverables during the 2023 calendar year.

The following pages give detailed descriptions of the outreach strategies, the audiences served, and the number of persons engaged in each project. In 2023, radio and TV ads completed during the fourth quarter of 2022 started airing in the first quarter of 2023 and continued through the 2023 permit year. The program completed numerous clean-up days and Earth Month community outreach activities in May 2023.

Targeted business campaigns delivered in 2023 included gas stations and small contractors. The education for gas stations focused on spill prevention and clean-up strategies. The small contractor education focused on permit compliance and provided a listening session between contractors and Butte-Silver Bow to address concerns and difficulties with the permit process.

In 2023, we were able to provide Stormwater education outreach to 696 students and an additional 210 community members through active outreach strategies for clean-ups, classroom presentations, and community events. Passive strategies deployed in 2023 include TV, radio, and social media ads, as well as the creation of spill guideline posters for gas stations.



TV and Radio Ad Changes in 2023

The creation of new TV and Radio Ads started in 2022 and were finalized and deployed in 2023. The total ad run for TV was 187 ads on both local stations between April and August. Radio ads were run from January through August on four radio stations, a total of 435 PSA's ran during that period. Links to the TV ads can be found [here](#):

In 2023, we were able to provide Stormwater education outreach to 696 students and an additional 210 community members through active outreach strategies for clean-ups, classroom presentations, and community events. Passive strategies deployed in 2023 include TV, radio, and social media ads, as well as the creation of spill guideline posters for gas stations.





Clark Fork Watershed
Education Program

Social Media Outreach

Social Media outreach focused on the “Did You Know” Campaign targeted toward general awareness and housekeeping for the public. Ten stormwater fact sheets were run on social media during April-August



Reach	Likes and reactions	Link clicks	Comments	Shares
24,043	434	547	27	54

Community Stormwater Education

Stormwater Education

In-classroom presentations are given by CFWEP staff each year in Butte classrooms. The curriculum ties to the overall goals of learning about watershed health. The curriculum was supported by social media posts, the stormwater art contest, student clean-up days and Earth Month activities, radio support by KBMF and Butte Broadcasting, and the TV ads produced by Montana Movie Factory.





Clark Fork Watershed
Education Program

Community Earth Month

April 22 - May 22

Celebrating springtime
through stewardship &
community service.

*Dare to be a force of
nature!*



MONTANATECH



Clean-Up
Days



Stormwater
Education



Landscape &
Gardening



Community
Art

Learn more & get involved at cfwep.org/earthmonth

Sponsors



Butte-Silver Bow
STORMWATER



Made possible by:



Partners

The now annual Community Earth Month expanded its reach to other audiences in 2023. The local library partnered with the program, hosting its clean-up day and distributing CFWEP-created stormwater education bookmarks. We added tabling at the Art Walk and distributed seed packets and informational handouts about clean-up events and adopting drains. We also partnered with NCAT again this year to provide training regarding rain gardens and zero-scaping alongside working with the local arborist to complete an indoor arbor day event.



Earth Month Sponsors, Partners and In-kind Donors

SPONSORS:



PARTNERS:



IN-KIND DONORS:



Stormwater Art Contest

CFWEP hosted the stormwater art contest to add signal box wraps in May of 2023. The selection for the Public Choice Award was run through social media. Three other wraps were selected by sponsors. There were 24 total submissions.



Clark Fork Watershed Education Program

Stormwater Art Contest

Calling local artists!

CFWEP is taking submissions for art to be featured on signal boxes around Butte!

In addition to having their art installed on a signal box, winning artists receive \$200.

Guidelines

- Art should have ecological, aquatic, or riparian connectedness theme.
- All mediums are accepted, including photography and visual arts.
- Original artwork needs to be at least 11"x17" landscape and available for scanning.

Submission

- Images of art can be emailed to mwanamaker@mtech.edu
- Deadline for submission is **May 22, 2023**
- Winners will be selected by sponsors and CFWEP.

For more information visit cfwep.org/stormwater-art or contact Melissa Wanamaker at mwanamaker@mtech.edu or (907)529-5332

Clean Up Days

May 8 through May 22, 2023

Butte-Silver Bow Schools

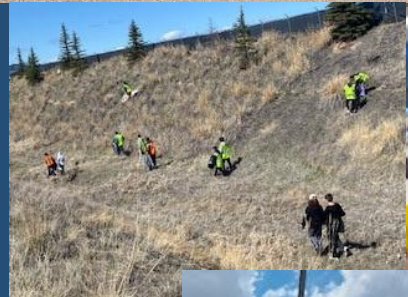
Montana Tech, Whittier Elementary, West Elementary, Emerson Elementary, Kennedy Elementary, Margaret Leary Elementary, Butte Central High School, Butte High Career Center, East Middle School and Silver Bow Montessori participated. This year engaged 550 students in clean-up events.

Rural Schools:

With matching funding from Natural Resource Damage program, we were able to extend to Missoula County schools and worked locally with the 4H Outdoor Days.

Other Clean Up Days:

The following groups also completed Earth Month clean-up events, BSB Public Employees, Butte Library, Friends of Thompson Park, and Butte Chamber of Commerce



SUSTAINABLE LANDSCAPE & GARDENING

Second Year

This section of Earth Month was hosted again in 2023, with additional support from the local arborist who led an indoor arbor day. Seed packets were also distributed with instructions about planting for pollinators and better on-property stormwater control.



FREE!
Native Wildflower Seeds

Did you know?
Native wildflowers provide food for native species like butterflies, birds, and insects.
They're also adapted to their local climate and soil conditions, meaning they need less water, fertilizer, & pesticide to grow.

CFWEP

 Learn more about CFWEP's work at cfwep.org

Water: Water daily if seedlings show signs of wilting.

Light: Full Sun

Seed Depth: 1/8 - 1/4 inch

begin to grow.

Growing Tips: Select a sunny location and plant in well drained soil during spring or fall. For best results, loosen soil with rake or hoe. Mix seeds with a cup of sand and broadcast over planting area. Lightly rake seed into soil. Keep soil moist until plants begin to grow.

Clark Fork Watershed Education Program

WILDFLOWER MIX
NATIVE TO SOUTHWEST MONTANA



WHY NATIVE?
Native wildflowers provide nectar, pollen, & seeds to support native butterflies, insects, birds, & more!

Contains: Rocky Mountain Bee Plant, Blue Foxglove, Shasta Aster, Prairie Coneflower, American Goldenrods



BUSINESS EDUCATION

Active and Passive Strategies for Business Education in 2024

Active and Passive business strategies were focused on gas stations and local contractor training. The gas station stormwater prevention flyers were co-created by CFWEP and Town Pump's environmental officer. Flyers were distributed throughout Butte and spot-training was provided by CFWEP staff.

Training for local contractors regarding MS4 permitting requirements and pre-construction work was completed by WET and CFWEP in June 2023.

JUNE 7, 2023
7:00 AM OR 4:00 PM
BSB Public Works
3rd Floor Conference Room

**CONSTRUCTION
STORMWATER
REQUIREMENTS FOR
BUTTE- SILVER BOW**
Updates for the New Permit Term

Learn:

- WHY controlling stormwater on construction sites is important?
- HOW to do it?
- WHO is supporting your efforts.

Presentation will be led by:

- Mark Neary, Public Works Director, BSB
- Stephen Coe, WET Senior Engineer
- Dylan Livingston, WET Staff Engineer
- Kyle West, Stormwater Coordinator, BSB
- Rayelynn Brandl, CFWEP Executive Director

This training is for owners, project managers, EH&S professionals and duly authorized representatives of local construction companies.

NO COST

Brought to you by:
Butte-Silver Bow
STORMWATER

with:  

Both strategies were appreciated by local groups. Although the contractor training was not as well-attended as in previous years, the contractors who did attend rated the training as highly useful and important to their work. It is likely that lower attendance is due to the fact that contractor training has been regularly deployed in Butte-Silver Bow.



STORMWATER POLLUTION PREVENTION IDEAS FOR GAS STATIONS

Gas stations and other fueling operations, including truck stops, fleet yards, airports and construction sites, serve to refuel motor vehicles, equipment or small containers with petroleum products. Spills and leaks can occur during fueling and contaminate stormwater runoff, surface water and groundwater with toxic hydrocarbons, oil, grease, heavy metals and other chemicals used as fuel additives.

Best Practices to protect our creeks:

1. Encourage patrons to never leave vehicles unattended while fueling;
2. Post signs reminding users not to top off gas tanks;
3. Ensure Emergency Shut Off button is in plain view and clearly marked in red letters;
4. Minimize water use in spill clean up by using dry clean up methods like sweeping litter and debris and using rags and absorbents for leaks and spills;
5. Remove used absorbents promptly and dispose of properly;
6. Ensure all equipment, pumps, valves and drains are clearly labeled;
7. Use secondary containment when transferring fuel from a tanker truck to onsite fuel tanks;
8. Cover storm drain in the vicinity during the transfer;
9. Review and understand spill response plan; and
10. Practice regular good housekeeping practices inspecting hoses and pumps and cleaning leaks and drips daily.

We take spill response very seriously. If a spill is significant enough to escape property, report immediately .

Spill Contact:

Contact name and number



Clark Fork Watershed
Education Program

Butte-Silver Bow
STORMWATER

2024 Plans

Post-Construction Facility Owners Training

We are working with WET to deliver post-construction facility owner training by Q3 of 2024.

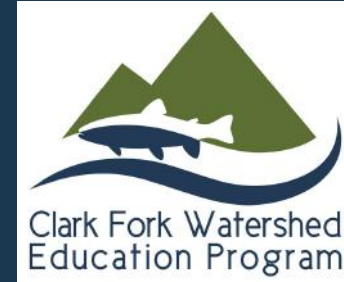
Restaurants

CFWEP and WET have started working with the BSB metro sewer food, oils, and grease outreach program. CFWEP will work with BSB to create and deliver new signage for handling of FOG indoors and provide tips for maintenance and location of grease disposal containers on restaurant property.

Continue Student and Community Member Outreach

CFWEP will continue to provide clean-up days, classroom education workshops, and push media messaging in TV, radio, and social formats. CFWEP and our partners are considering launching a community drain marking and Adopt a Drain programming for late 2024, but will likely execute this plan in the spring of 2025.





Email

rbrandl@mttech.edu

Website

CFWEP.ORG

Phone number

(406) 496-4898

1. PERMITTEE'S SWMP RESOURCES

BSB currently employs 1.35 FTE within the storm water budget. Other Budget sources provide approximately .5 FTE additional hours to support the utility. Approximately .85 FTE is dedicated to permit compliance with the remainder used labor related to maintenance. BSB has entered into a contract with Water and Environmental Technologies (WET) to assist in permit compliance.

City-County of Butte-Silver Bow 2023-2024 Annual Budget - Detail of Expenditures							
Fund	5330	Storm Water					
Dept	103	Public Works					
Activity	4306.50	Storm Water					
Obj Description	2020-2021	Actual 2021-2022	Budget	2022 - 2023 Actual	2023 - 2024 Request	2023 - 2024 Approved	
110 Salaries & Wages	92,670	89,620	154,261	154,260	57,780	57,780	-63%
115 Salaries & Wages Unclassified Emp	0	20,094	0	0	0	0	0%
120 Salaries & Wages Overtime	5,891	2,518	3,605	3,605	10,400	10,400	188%
122 Salaries & Wages Special Pay	500	513	525	525	500	500	-5%
130 Salaries & Wages Longevity	1,500	1,500	1,500	1,500	500	500	-67%
131 Salaries & Wages Other Pay	0	0	0	0	360	360	0%
135 Salaries & Wages Clothing Allow	235	0	310	310	285	285	-8%
136 Salaries & Wages Hazard Pay	306	304	123	123	0	0	-100%
140 Employer Contributions	45,897	106,671	79,624	79,623	34,013	34,013	-57%
190 On-behalf Payments	4,180	5,824	0	0	0	0	0%
195 Pension	5,605	98,256	0	0	0	0	0%
210 Office Supplies	0	0	0	0	150	150	0%
220 Operating Supplies	5,213	10,431	5,046	5,045	5,000	5,000	-1%
230 Repair & Maint. Supplies	7,063	30,612	10,388	10,387	19,900	19,900	92%
260 Non-capital Fixed Assets	0	0	2,400	2,400	0	0	-100%
320 Printing- Duplicating-Etc	0	0	0	0	500	500	0%
330 Publicity- Subscr. & Dues	132	0	0	0	2,000	2,000	0%
340 Utility Services	180	294	74	73	3,000	3,000	3954%
350 Professional Services	155,189	190,107	150,939	150,938	142,500	142,500	-6%
360 Repair & Maint. Services	0	0	0	0	8,000	8,000	0%
370 Travel	0	0	0	0	2,000	2,000	0%
380 Training Services	1,455	0	0	0	2,000	2,000	0%
390 Other Purchased Services	0	4,184	0	0	3,000	3,000	0%
470 Fabricated Materials	1,430	1,090	0	0	0	0	0%
510 Insurance	3,990	4,742	7,370	7,370	7,325	7,325	-1%
830 Depreciation	43,600	49,349	0	0	0	0	0%
852 Payroll Charges	884	801	911	910	766	766	-16%
854 Personnel Charges	1,742	1,579	1,968	1,968	1,780	1,780	-10%
858 GIS Charges	3,000	3,000	3,000	3,000	3,300	3,300	10%
930 Improv other than Bldgs	0	0	518,214	24,531	1,249,389	1,249,389	141%
Total	\$380,663	\$621,489	\$940,258	\$446,570	\$1,554,448	\$1,554,448	65%

City-County of Butte-Silver Bow 2023-2024 Annual Budget - Detail of Expenditures

Budget Commentary

This fund was created to account for expenditures related to the maintenance of the new Storm Water System in accordance with the Butte-Silver Bow Storm Water Ordinance.

Personnel			Fixed Assets		
Position Description	FTE	Budgeted Salary	Description	Requested	Approved
Cell Phone	0.00	360	Stormwater Infrastructure	332,500	332,500
Laborer	1.00	59,065	Improvements - Lafayette carryforward		
Overtime	0.00	10,400	Westside Stormwater Project	916,889	916,889
Total	1.00	69,825	Total	1,249,389	1,249,389

Fund	5330	Storm Water					
Dept	103	Public Works					
Activity	5210.10	Trns to General					
		Actual		2022 - 2023		2023 - 2024	
Obj Description		2020-2021	2021-2022	Budget	Actual	Request	Approved
820 Transfers Out		28,250	26,100	20,080	20,080	19,779	19,779
Total		\$28,250	\$26,100	\$20,080	\$20,080	\$19,779	\$19,779

Budget Commentary

This budget accounts for the transfer of funds to the General Fund for indirect administrative charges related to various tax supported offices. The services provided include such functions as financial and accounting, legal, document retention, planning, treasury, and billing assessment.

Fund	5330	Storm Water					
Dept	103	Public Works					
Activity	5210.20	Trns to SID Admin.					
			Actual	2022 - 2023		2023 - 2024	
Obj Description	2020-2021	2021-2022	Budget	Actual	Request	Approved	
820 Transfers Out	0	2,500	2,500	2,500	2,500	2,500	0%
Total	\$0	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	0%

Budget Commentary

Transfer of administrative charges for overseeing Special Improvement Districts (SID) to the SID Administration Fund. Revenue Account: 2500.000.3830.65.000

- The primary difference is the substantial increase in requirements in the new permit versus the previous permit. BSB allocated additional budget in the Capital line items to address stormwater compliance problem areas in the flats of Butte.

1.5 Was the permittee successful in their request for budget allocations?

- Yes, the requested budget is virtually equal to the approved budget.

Appendix C

List of Potential Non – Stormwater Discharges

MS4 General Permit – *Part II.A.2.a.i*
2023 Annual Assessment of Non-Storm Water Discharges or Flows

Significant contributors of pollutants are as follows:

1. WATER LINE/ FIRE HYDRANT FLUSHING

Why:

Water line flushing and fire hydrant flushing are municipal operations which discharge chlorinated water onto streets and have the potential to mix with oil & grease, sediment, debris, and other pollutants. These non-storm water discharges have the potential to reach area surface waters via municipal storm water system and are allowable if all conditions are met.

Associated Pollutants may Include:

- Total Suspended Solids (TSS)
- Oil & Grease
- Metals
- Chlorine
- Debris

Education:

- Train BSB field personnel on SOPs, BMP selection, installation, and maintenance

Local Controls or Conditions:

- SOP#18 – Hydrant Flushing
- SOP#20 – Water Main Breaks and Repairs
- Coordination with BSB Road Dept to ensure street sweeping is conducted prior to water line/fire hydrant flushing
- Installation of BMP (i.e., street sweeping, inlet protection) prior to performs routine street sweeping prior to water line/fire hydrant flushing
- Use of chlorine diffusing device and tablets while water line/fire hydrant flushing is conducted
- Re-evaluate annually

2. STREET CLEANING/ FLUSHING

Why:

Street cleaning/flushing are municipal operations which discharge chlorinated water onto streets and have the potential to mix with oil & grease, sediment, debris, and other pollutants. These non-storm water discharges have the potential to reach area surface waters via municipal storm water system and are allowable if all conditions are met.

Associated Pollutants may Include:

- Total Suspended Solids (TSS)
- Oil & Grease

- Metals
- Chlorine
- Debris

Education:

- Train BSB field personnel on SOPs, BMP selection, installation, and maintenance

Local Controls or Conditions:

- Coordination with BSB Road Dept to ensure street sweeping is conducted prior to street flushing
- Installation of BMP (i.e., street sweeping, inlet protection) prior to performs routine street sweeping prior to street flushing
- Re-evaluate annually

3. DISCHARGES OR FLOWS FROM FIREFIGHTING ACTIVITIES

Why:

Fighting fires is a municipal operation which discharges chlorinated water onto streets and have the potential to mix with oil & grease, sediment, debris, and other pollutants. These non-storm water discharges have the potential to reach area surface waters via municipal storm water system and are allowable if all conditions are met.

Associated Pollutants may Include:

- Total Suspended Solids (TSS)
- Oil & Grease
- Metals
- Chlorine
- Debris

Education:

- Train fire personnel on SOPs

Local Controls or Conditions:

- SOP#18 – Hydrant Flushing
- BSB Road Dept conducts routine street sweeping
- Re-evaluate annually

4. LANDSCAPE IRRIGATION/ LAWN WATERING

Why:

Excessive landscape irrigation/lawn water if it reaches a street has the potential to mix with oil & grease, sediment, debris, and other pollutants. Landscape irrigation/lawn water that doesn't infiltrate into the soil may discharge along curb/gutter and reach area surface waters via municipal storm water system and are allowable if all conditions are met.

Associated Pollutants may Include:

- TSS
- Oil & Grease
- Metals
- Chlorine
- Debris
- Nutrients
- Pesticides

Education:

- Train public on resource benefits of limiting landscape irrigation/lawn watering
- CFWEP educate students on water conservation

Local Controls or Conditions:

- BSBPW provides water meters to the public to promote water conservation
- BSBPW limits watering days to every-other (June-October)
- Re-evaluate annually

5. UNCONTAMINATED GROUND WATER INFILTRATION/ INFLOW**Why:**

Uncontaminated ground water infiltration/inflow may be considered an allowable non-storm water discharge if all conditions are met.

Associated Pollutants may Include:

- Nutrients: Phosphorus, Nitrogen
- Metals

Education:

- Train BSB field personnel on smoke testing

Local Controls or Conditions:

- Smoke testing and infiltration/inflow (I/I) identification projects are ongoing and will guide capital improvements to the collection system over the next 30 years
- CCTV inspection if I/I suspected
- Re-evaluate annually

6. SPRINGS**Why:**

Spring water may be considered an allowable non-storm water discharge.

Associated Pollutants may Include:

- Metals

Education:

- Train BSB field personnel recognizing signs of flow from spring
- Train BSB field personnel on BMP selection, installation, and maintenance

Local Controls or Conditions:

- Re-evaluate annually

7. FLOWS FROM RIPARIAN HABITATS AND WETLANDS

Why:

Flows from riparian habitats and wetlands may be considered an allowable non-storm water discharge.

Associated Pollutants my Include:

- Nutrients: Phosphorus, Nitrogen
- Metals

Education:

- Train BSB field personnel recognizing signs of flow from riparian habitats and wetlands.

Local Controls or Conditions:

- Culvert placement to direct wetland waters
- Monitoring by agencies (Superfund, etc.)
- Re-evaluate annually

MS4 General Permit – *Part II.A.2.a.ii*
2023 Annual Assessment of Occasional Incidental
Non-Storm Water Discharges or Flows

Occasional incidental non-storm water discharges that will not be addressed as illicit discharges are as follows:

1. CHARITY CAR WASHES

Why:

Charity car washes produce soapy-water that have the potential to mix with oil & grease associated with the vehicle. These non-storm water discharges have the potential to reach area surface waters via municipal storm water system.

Associated Pollutants my Include:

- Total Suspended Solids (TSS)
- Oil & Grease
- Metals
- Chlorine

Education:

- Notify public on conditions associated with charity car washes.

Local Controls or Conditions:

- Contact Butte-Silver Bow Parks and Recreation department (Ed Heard-406-497-6571) prior to organizing a charity car wash
- Locate on infiltrative surface, rather than on asphalt
- Locate a minimum of 300-ft from area surface waters (Silver Bow Creek, Blacktail Creek, Sand Creek, Basin Creek, & Grove Gulch Creek)
- BSBPW department will provide BMPs (i.e., inlet protection devices) at no charge

BUTTE SILVER BOW DEWATERING LOG:

Name of Project	Construction Company	Date Started	Date Terminated	Receiving Water	Permit #	Notes
Bert Mooney Development	Hoffman	10/24/2023	12/22/2023	Basin Creek	MTG071255	

Appendix E

Resulting Actions from Screening Results of Outfalls

Dry Weather Outfall Inspections

MS4 General Permit 2023 List of High Priority Outfalls

The general permit states that when determining high priority outfalls, permittees must consider, at a minimum, the following:

- Industrial areas
- Areas with previous illicit discharges
- Known illegal dumping areas
- Oldest portions of storm sewer infrastructure
- Areas with onsite sewage disposal systems
- Areas discharging to an impaired water body

High Priority Outfalls

1. BT-0-27 because it is on the golf course with recent maintenance conducted.
2. BT-0-32 because of the recent maintenance and reroute of outfall conducted.
3. BT-0-8 because it is downgradient of a major motel and industrial area
4. BT-0-17 because it drains a ponded area upgradient of an impaired water body.

All Outfalls

Major = 36" or Larger
Minor = Less than 36"



Outfall Name	Receiving H2O	Diameter	Major/Minor	Inspected 2019	Inspected 2020	Inspected 2021	Inspected 2022	Inspected 2023	Misc.
High Priority									
BT-0-8	Blacktail Creek	42"	Major	x		x	x	x	#1 by motel High Priority
BT-0-26	Blacktail Creek	2'	Minor	x			x	x	on golf course High Priority
BT-0-32	Blacktail Creek	12"	Minor	x			x	x	new 2018 high priority
BT-0-17	Blacktail Creek	18"	Minor	x			x	x	walking trail high priority drains ponded area
Anaconda Road/Butte Brewery									
AB-0-1	Metro Storm/ Historic Silver Bow Creek	open channel	Minor		x				
AB-0-2	Metro Storm/ Historic Silver Bow Creek	48"	Major		x				
AB-0-3	Metro Storm/ Historic Silver Bow Creek	10"	Minor				x		find culvert inlet
AB-0-4	Metro Storm/ Historic Silver Bow Creek	12"	Minor		x				
Basin Creek									
BC-0-1	Basin Creek	5'	Major		x	x			
BC-0-2	Basin Creek	4'	Major		x	x			
Blacktail Creek									
BT-0-1	Blacktail Creek	2'	Minor	x			x		on golf course
BT-0-2	Blacktail Creek	36"	Major	x		x			on golf course
BT-0-3	Metro Storm	24"	Minor	x			x		
BT-0-4	Blacktail Creek	12"	Minor	x			x		
BT-0-5	Blacktail Creek	12"	Minor	x			x		now BT-0-31
BT-0-7	Blacktail Creek	36"	Major	x		x			
BT-0-11	Blacktail Creek	24"	Minor	x					
BT-0-12	Blacktail Creek	16"	Minor	x					
BT-0-13	Blacktail Creek	8"	Minor	x					
BT-0-14 - EAST	Blacktail Creek	10"	Minor				x		
BT-0-14 - WEST	Blacktail Creek	10"	Minor	x					
BT-0-15	Blacktail Creek	15	Major	x		x			walking trail drains ponded area
BT-0-16	Blacktail Creek	144"	Major	x		x			Huge Culvert under I-15
BT-0-18	Blacktail Creek	6" (iron)	Minor	x			x		#2 by motel
BT-0-19	Blacktail Creek	6" (PVC)	Minor	x			x		#3 by motel
BT-0-20	Blacktail Creek	6" (PVC)	Minor	x			x		#4 by motel
BT-0-21	Blacktail Creek	6" (PVC)	Minor	x			x		#5 by motel
BT-0-22	Blacktail Creek	6" (PVC)	Minor	x					unlocatable
BT-0-23	Blacktail Creek	6" (PVC)	Minor	x			x		#7 by motel
BT-0-24	Blacktail Creek	18"	Major	x		x	x		
BT-0-25	Blacktail Creek	14"	Minor	x					
BT-0-27	Blacktail Creek	12"	Minor	x					on golf course
BT-0-28	Blacktail Creek	6"	Minor	x					#8 by motel
BT-0-29	Blacktail Creek	36"	Major	x		x			MDT
BT-0-30	Blacktail Creek	12"	Minor	x			x		new 2013
BT-0-31	Blacktail Creek	24"	Minor	x			x		formerly BT-0-5
BT-0-33	Blacktail Creek	2'?	Minor		x		x		MDT Formerly SC-0-5
BT-0-34	Blacktail Creek	NA	?				x		MDT Formerly SC-0-6
Buffalo Gulch									
BG-0-1	Metro Storm/ Historic Silver Bow Creek	48"	Major			x	x	x	HDD upgradient
BG-0-2	Metro Storm/ Historic Silver Bow Creek	24"	Minor				x		
BG-0-3	Metro Storm/ Historic Silver Bow Creek	36					x		
Grove Gulch									
GG-0-1	Blacktail Creek?	3', 4'	Major		x	x			
GG-0-2	Blacktail Creek	4'	Major		x				
GG-0-3	Blacktail Creek	12"	Minor		x				
GG-0-4	Silver Bow Creek	18-24"	Minor		x				
Idaho Street									
IS-0-1	Silver Bow Creek		Major		x	x			HDD
Missoula Gulch									
MG-0-2	re-routed	re-routed	re-routed				x	x	
MG-0-3	Silver Bow Creek	18"			x			x	

All Outfalls

Major = 36" or Larger
Minor = Less than 36"



Outfall Name	Receiving H2O	Diameter	Major/Minor	Inspected 2019	Inspected 2020	Inspected 2021	Inspected 2022	Inspected 2023	Misc.
Montana Street									Historic SBC meets Blacktail
MT-0-1	Silver Bow Creek	NA	Major		x	x		x	
MT-0-2	Silver Bow Creek	18"	Minor		x			x	
MT-0-3	Silver Bow Creek	18"	Minor		x			x	
MT-0-4	Silver Bow Creek	30"	Minor		x			x	
Sand Creek									
SC-0-4	Basin Creek	3', 4'	Major		x	x			MDT
SC-0-7	on	private	property				x		
Silver Bow Creek									
SB-0-2	Metro Storm/ Historic Silver Bow	20"	Minor		x				
SB-0-3	Metro Storm/ Historic Silver Bow Creek	30"	Minor		x				
SB-0-4	Metro Storm/ Historic Silver Bow	12"	Minor		x				
Montana Resources									
MR-0-1	Metro Storm/ Historic Silver Bow	3 @ 4'10"	Major			x			on mine (MRI) property
Warren Avenue									
WA-0-1	Metro Storm/ Historic Silver Bow	20"	Minor						
WA-0-2	Metro Storm/ Historic Silver Bow	12"	Major			x			
WA-0-3	Metro Storm/ Historic Silver Bow	12"	Minor						
WA-0-4	Metro Storm/ Historic Silver Bow	12"	Minor						
WA-0-5	Metro Storm/ Historic Silver Bow	12"	Minor						
WA-0-6 nested with 07	Metro Storm/ Historic Silver Bow	12"	Minor						
WA-0-7 nested with 06	Metro Storm/ Historic Silver Bow	24"	Minor						
WA-0-8	Metro Storm/ Historic Silver Bow	4'	Major			x			
WA-0-9	Metro Storm/ Historic Silver Bow	open channel	major			x			
WA-0-10	Metro Storm/ Historic Silver Bow	12"	Minor						
WA-0-11	Metro Storm/ Historic Silver Bow Creek	12"	Minor						
WA-0-12	Metro Storm/ Historic Silver Bow Creek	12"	Minor						
West Side									
WS-0-1	Silver Bow Creek	48"	Major		x	x		x	
WS-0-2	Silver Bow Creek	24"	Minor					x	
WS-0-3	Silver Bow Creek	10"	Minor					x	
WS-0-4	Silver Bow Creek	NA	Minor				x		
WS-0-6	Silver Bow Creek	12"	Minor					x	MDT
WS-0-7	Silver Bow Creek	70"	Major		x	x		x	

SUBTOTAL MAJOR	22								
SUBTOTAL MINOR	49								
SUBTOTAL Unknown	1								
TOTAL	72			29	22	20	26	16	
				40%	31%	28%	36%	22%	

Total Inspected 113

**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MG-O-2	Date:	2023-08-01
Time:	15:10	Investigators	DL KW
Form completed by:	DL KW	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. origin of outfall,	Considerable amount of sediment build up that should be removed.		

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	PVC
Shape:	Circular	Number of Pipes:	Double
Dimensions (in):	12	Submerged in Water:	No
Submerged in Sediment:	Partially	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Indicator	Deposits/Stains		
Outfall		Deposits/Stains	Other, Sediment deposits
Abnormal		Poor pool quality	,
Pipe benthic	,		
COMMENTS			

Should prioritize sediment removal

SECTION 6: OVERALL OUTFALL CHARACTERIZATION

Potential (presence of two or more indicators)

SECTION 7: DATA COLLECTION

Sample for the		Collected from	
Intermittent flow		Type	

SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE

NA



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MG-O-3	Date:	2023-08-01
Time:	15:06	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. origin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	PVC
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	10	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	BG-O-1	Date:	2023-08-01
Time:	14:48	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Industrial, Commercial	Known Industries:	Excavation storage, grocery store,
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	48	Submerged in Water:	Partially
Submerged in Sediment:	Partially	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator	Poor Pool quality	
Outfall		Deposits/Stains , ,
Abnormal		Poor pool quality Colors, Floatables, Other,
Pipe benthic	,	
COMMENTS		

Stagnant, overgrown willows, sampling equipment, sediment built up, slightly incised Channel with no rocky substrate

SECTION 6: OVERALL OUTFALL CHARACTERIZATION

Potential (presence of two or more indicators)

SECTION 7: DATA COLLECTION

Sample for the		Collected from	
Intermittent flow		Type	

SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE

This one is maintained almost once a permit term and it is a maintenance heavy outfall due to the bed material and stagnant water



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MT-O-1	Date:	2023-08-01
Time:	14:39	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Industrial, Suburban Residential	Known Industries:	Excavation storage yard
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Open drainage	Material:	Earthen
Shape:	Other	Number of Pipes:	
Dimensions (in):		Submerged in Water:	
Submerged in Sediment:		Open Drainage Depth:	24
Open Drainage Width:	60	Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator	Poor Pool quality	
Outfall		Deposits/Stains , ,
Abnormal		Poor pool quality Other, Stagnant, little flow from
Pipe benthic	,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION

Unlikely

SECTION 7: DATA COLLECTION

Sample for the		Collected from	
Intermittent flow		Type	

SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE

A lot of vegetation, hard to distinguish if there is a pipe or truly only an open channel outfall. Clearly saw mouth of buffalo gulch hitting silver bow creek



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MT-O-2	Date:	2023-08-01
Time:	14:24	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Industrial, Suburban Residential	Known Industries:	Highway
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	12	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY


INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	,	
COMMENTS		

Good condition. Comes into SBC under bridge of Montana St

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MT-O-3	Date:	2023-08-01
Time:	14:20	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Industrial, Suburban Residential	Known Industries:	Highway
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	Other
Shape:	Other	Number of Pipes:	Other
Dimensions (in):	0	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
Unable to locate due to overgrown			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	MT-O-4	Date:	2023-08-01
Time:	14:08	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Industrial, Suburban Residential	Known Industries:	Highway
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	Steel
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	36	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Indicator	Deposits/Stains		
Outfall		Deposits/Stains	Other, Patina
Abnormal		Poor pool quality	,
Pipe benthic	,		
COMMENTS			

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	WS-O-1	Date:	2023-08-01
Time:	13:51	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	90
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. origin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	48	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	Yes
Flow Description:	Moderate		

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators	Odor	
Odor	Sulfide,	1 - Faint
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator	Pipe benthic growth	
Outfall		Deposits/Stains , ,
Abnormal		Poor pool quality , ,
Pipe benthic	Green,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	WS-O-7	Date:	2023-08-01
Time:	13:45	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	88
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	48	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	Yes
Flow Description:	Trickle		

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip


SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators	Floatables (Not Trash)	
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	Suds, Other,	1 - Few/slight, origin not obvious

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator	Pipe benithic growth	
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	Other, Black/gray	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	WS-O-3	Date:	2023-08-01
Time:	11:42	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	80
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Ultra-Urban Residential (High Density)	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	PVC
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	10	Submerged in Water:	No
Submerged in Sediment:	Partially	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains ,
Abnormal	Inhibited	Poor pool quality ,
Pipe benthic	Brown,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION

Potential (presence of two or more indicators)

SECTION 7: DATA COLLECTION

Sample for the		Collected from	
Intermittent flow		Type	

SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE

Maintenance recommended this whole drainage area. These outfalls were definitely overran during 100 year event and inhibited by rock and vegetation at this outfall.



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-17	Date:	2023-08-01
Time:	11:21	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	78
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential, Open Space	Known Industries:	Bottling and shipping company
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	18	Submerged in Water:	Partially
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	Yes
Flow Description:	Moderate		

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators	Odor	
Odor	Sewage, Sulfide,	2 - Easily detected
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains , ,
Abnormal		Poor pool quality , ,
Pipe benthic	,	
COMMENTS		

Outfall is recent. In good shape. Wetland drainage in progress still for the year. Smell definitely related to organic in the wetland. No turbidity, floaters, or sheens. Just wetland water

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	BT-0-32	Date:	2023-08-01
Time:	11:09	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	78
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	PVC
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	12	Submerged in Water:	Partially
Submerged in Sediment:	Partially	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Indicator	Abnormal Vegetation, Poor Pool quality, Pipe benithic growth		
Outfall		Deposits/Stains	,
Abnormal	Inihibited	Poor pool quality	Excessive Alge,
Pipe benthic	Brown, Green,		
COMMENTS			

Not fully submerged, but very close algae growth and vegetation has stilled the pond no flow present.

SECTION 6: OVERALL OUTFALL CHARACTERIZATION

Potential (presence of two or more indicators)

SECTION 7: DATA COLLECTION

Sample for the		Collected from	
Intermittent flow		Type	

SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE

No trash or infrastructure, but due to the topography and the drainage being upgrading of a larger wetland probably minimal things can be done to this outfall. Would be interesting to inspect during wet weather



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-8	Date:	2023-08-01
Time:	10:59	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	78
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Restaurant and hotel
Lat		Long	
Notes (e.g. origin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	36	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	Yes
Flow Description:	Trickle		

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator	Pipe benthic growth	
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	Green,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
Yes upgrading has formed quite a channel above the pipe inlet to stream			



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-26	Date:	2023-08-01
Time:	10:45	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	70
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Golf Course	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	36	Submerged in Water:	Partially
Submerged in Sediment:	Partially	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Indicator	Pipe benithic growth		
Outfall	Spalling, Cracking or Chipping	Deposits/Stains	Flow Line,
Abnormal		Poor pool quality	,
Pipe benthic	Brown,		
COMMENTS			

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Potential (presence of two or more indicators)			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			

			
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**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	WS-O-6	Date:	2023-08-01
Time:	10:01	Investigators	DL KW
Form completed by:	DL KW	Temperature (F)	68
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:		Material:	
Shape:		Number of Pipes:	
Dimensions (in):		Submerged in Water:	
Submerged in Sediment:		Open Drainage Depth:	
Open Drainage Width:		Flow Present	
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

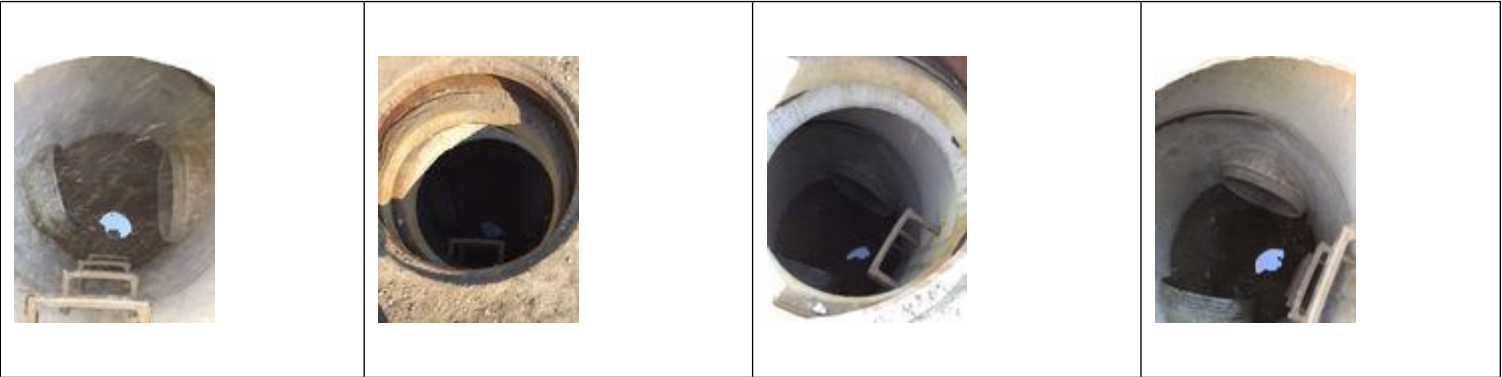
SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains ,
Abnormal		Poor pool quality ,
Pipe benthic	,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			



**CITY OF BUTTE-SILVER BOW COUNTY
OUTFALL RECONNAISSANCE INVENTORY/
SAMPLE COLLECTION FIELD SHEET**



**Consulting Scientists & Engineers
480 East Park Street Butte,
Montana 59701 Phone:
406-782-5220**

SECTION 1: BACKGROUND DATA

Outfall ID:	WS-O-6	Date:	2023-08-01
Time:	09:48	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	68
Rainfall in Last 24 hours:	No	Rainfall in Last 48	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. origin of outfall,			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	PVC
Shape:	Circular	Number of Pipes:	Double
Dimensions (in):	14	Submerged in Water:	No
Submerged in Sediment:	No	Open Drainage Depth:	
Open Drainage Width:		Flow Present	No
Flow Description:			

SECTION 3 QUANTITATIVE CHARACTERIZATION

PARAMETER		RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			F	Thermometer
pH			pH Units	Test strip/Probe
Conductivity			EC	Probe
Ammonia			mg/L	Test strip

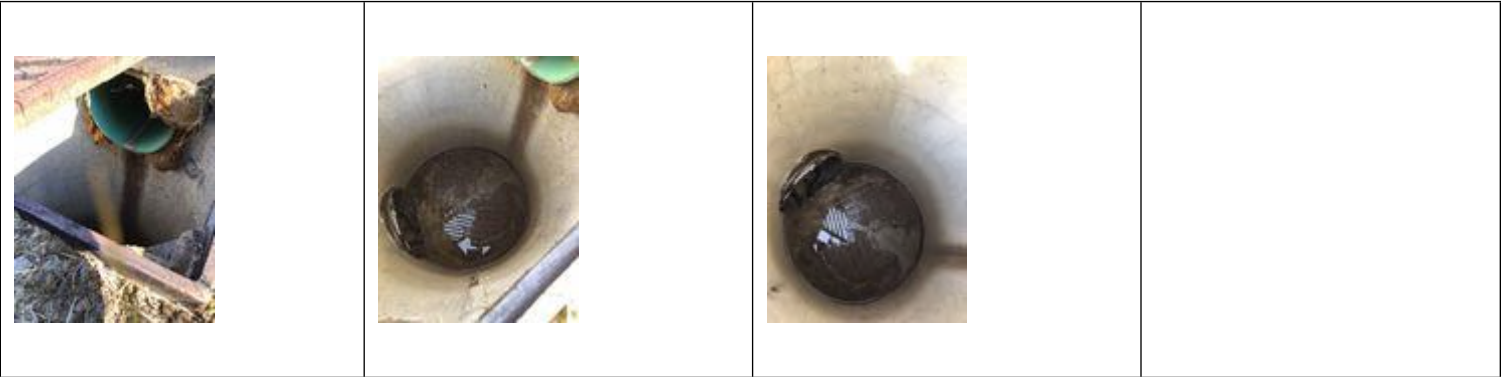
SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicators		
Odor	,	
Color	,	
Turbidity	See severity	
Floatables (Not	,	

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING

INDICATOR	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Indicator		
Outfall		Deposits/Stains Flow Line,
Abnormal		Poor pool quality ,
Pipe benthic	,	
COMMENTS		

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the		Collected from	
Intermittent flow		Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE			
NA			



**MS4 Outfall Inspection Action Taken from Screening Results
Identified in Fall 2023 and to be completed in 2024**

Outfall	Location	Repair
MG-02	800 block of Hornet St	Clear sediment
BT-0-4	Intersection of Utah and A Street	From 2022, was completed in 2023.
BT-08	Dickey's	Erosion, overall cleanup of gullys formed
BT-0-32	Intersection of C Street and Warren	Try to encourage flow to avoid water submerging outfall. Sign missing
WS-0-3	Corner of Britania and Western	Erosion, overall cleanup of debris

**ENFORCEMENT RESPONSE PLAN FOR STORMWATER MANAGEMENT WITHIN THE
CITY/COUNTY OF BUTTE-SILVER BOW MONTANA
February 2023**

Introduction

In accordance with the General Permit for Storm Water Discharge Associated with Small Municipal Separate Storm Sewer System (MS4), issued by the Montana Department of Environmental Quality (DEQ), the City/County of Butte-Silver Bow (BSB) is required to develop and implement an Enforcement Response Plan (ERP) to ensure compliance with stormwater regulations. The purpose of this ERP is to specify criteria by which BSB personnel can determine the enforcement action most appropriate to instances of non-compliance and communicate how the enforcement tools available to BSB personnel will be used to achieve compliance following violations of BSB's stormwater regulations. This document addresses the Montana DEQ MS4 General Permit's ERP requirements for the following Minimum Control Measures (MCM's):

- MCM 4: Illicit Discharge Detection and Elimination
- MCM 5: Construction Site Storm Water Management
- MCM 6: Post-Construction Site Storm Water Management in New and Redevelopment

The procedures within this ERP have been developed with the following objectives in mind:

- Prevent pollutants from entering the MS4 and causing environmental harm.
- Communicate definitions for non-compliance.
- Establish appropriate enforcement action based on the nature and severity of the violation.
- Promote consistent and timely use of enforcement tools.
- Ensure that violators return to compliance in a timely manner.
- Recover costs incurred by BSB due to operator non-compliance.
- Promote compliance through education and compliance assistance first and, if necessary, penalties second.

BSB has the authority to enforce stormwater regulations under the [section] 13.32.080 of the municipal code.

Acronyms

The following acronyms shall have the following meaning:

BSB	City/County of Butte-Silver Bow
DEQ	Department of Environmental Quality
ERP	Enforcement Response Plan
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
NOV	Notice of Violation
SWO	Stop Work Order

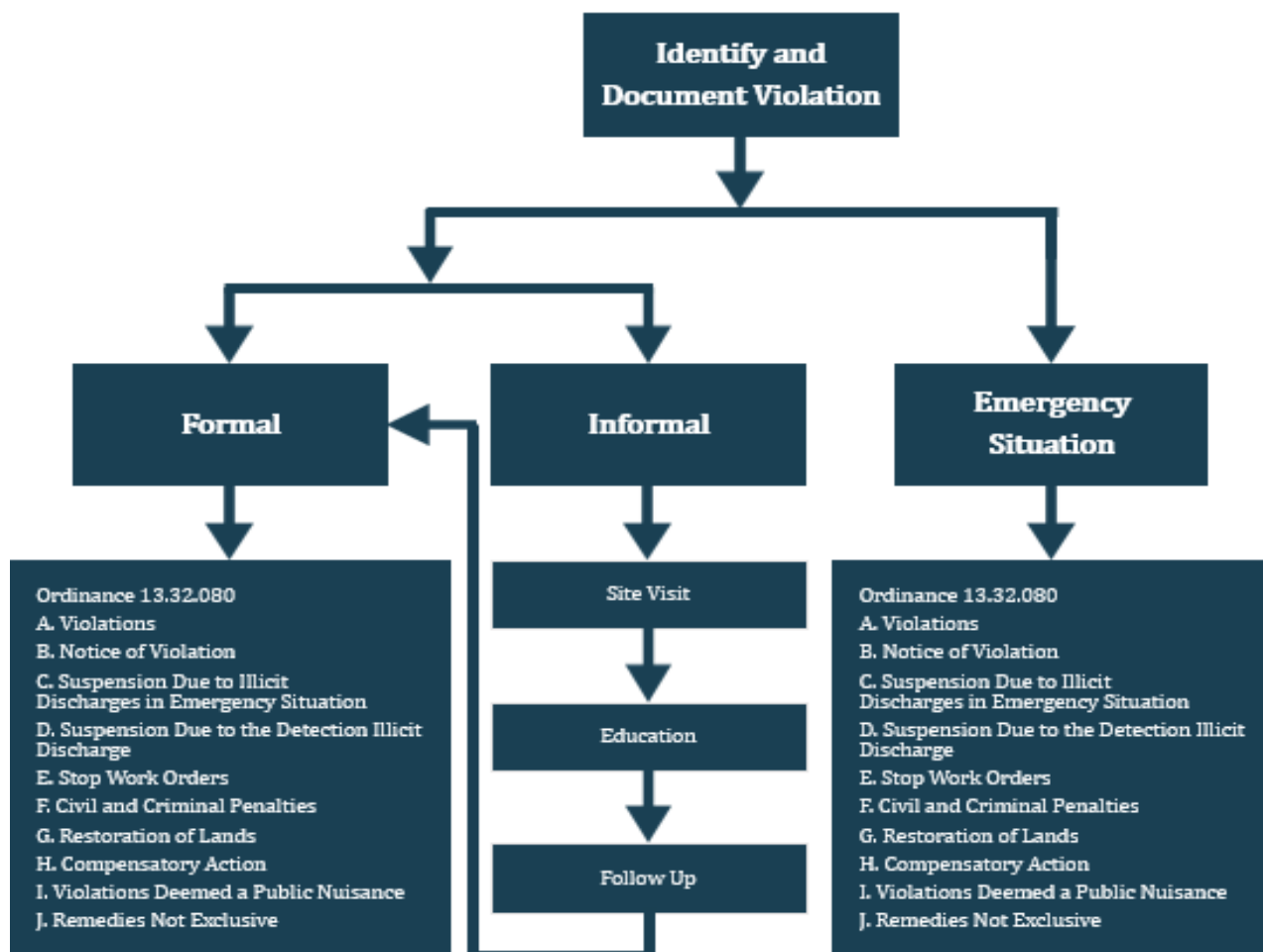
**ENFORCEMENT RESPONSE PLAN FOR STORMWATER MANAGEMENT WITHIN THE
CITY/COUNTY OF BUTTE-SILVER BOW MONTANA
February 2023**

1. Enforcement Response Plan Overview

The enforcement process begins with identification of a violation and concluding with closing the complaint. The overall process is shown within the flowchart below and is further explained within the following sections.



**Enforcement Response (ERP) Flowchart for the
Butte-Silver Bow Stormwater Management Program**



**ENFORCEMENT RESPONSE PLAN FOR STORMWATER MANAGEMENT WITHIN THE
CITY/COUNTY OF BUTTE-SILVER BOW MONTANA
February 2023**

2. Determining the Appropriate Level of Response

2.1 FORMAL & Emergency

A. **Violations.** It shall be unlawful for any person to violate any of the provisions of this chapter by doing any act forbidden or by failing to perform any duty imposed herein and any such act or omission shall be deemed a misdemeanor and jurisdiction for prosecution thereof shall be vested in the city court of BSB.

In the event the violation constitutes an immediate danger to public health or public safety, BSB is authorized to enter upon the subject property, without giving prior notice, to take any and all measures necessary to abate the violation and/or restore the property. BSB is authorized to seek costs of the abatement as outlined in [section] 13.32.120.

B. **Notice of Violation.** When the BSB public works department determines that an activity is not being carried out in accordance with the requirements of this chapter, it shall issue a written notice of violation to the landowner or responsible party. The notice of violation shall contain:

1. The name and address of the owner applicant;
2. The physical address or a description of the building, structure of land upon which the violation is occurring;
3. A statement specifying the nature of the violation;
4. A description of the remedial measures necessary to bring the activity into compliance with this chapter and a time schedule for the completion of such remedial action;
5. A statement of the penalty or penalties that shall or may be assessed against the person to whom the notice of violation is directed;
6. A statement that the determination of violation may be appealed as defined in subchapter [section] 13.32.100 by filing a written notice of appeal within thirty days of service of notice of violation; and
7. A statement specifying that should the violator fail to restore compliance with the established time schedule, the work will be done by the public works department or a designated contractor and that two times the expense thereof shall be charged to the violator.

Such notice may require without limitation:

- a. The performance of monitoring, analyses, and reporting;
- b. The elimination of illicit connections or discharges;
- c. The implementation of changes or corrective measure to eliminate the violating discharges, practices, or operations;

**ENFORCEMENT RESPONSE PLAN FOR STORMWATER MANAGEMENT WITHIN THE
CITY/COUNTY OF BUTTE-SILVER BOW MONTANA
February 2023**

- d. The abatement for remediation of stormwater pollution or contamination hazards and the restoration of any affected property;
- e. The payment of costs to cover administrative and remediation actions; and
- f. The implementation of source control or treatment BMPs.

C. ***Suspension.*** Due to Illicit Discharges in Emergency Situations. The BSB public works department may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4 or waters of the United States. If the person fails to comply with a suspension order issued in an emergency, the BSB public works department may take such steps as deemed necessary to prevent or minimize damage to the stormwater system or waters of the United States, or to minimize danger to public health and safety.

D. ***Suspension Due to the Detection of Illicit Discharge.*** Any person discharging to the stormwater system in violation of this chapter may have their access terminated if such termination would abate or reduce an illicit discharge. The BSB public works department will notify the person of the proposed termination of its stormwater system access. The person may submit a written request to the BSB public works department for reconsideration within thirty days. A person commits an offense if the person reinstates stormwater system access to premises terminated pursuant to this section, without the prior approval of the BSB public works department.

E. ***Stop Work Orders.*** If issues identified in a notice of violation are not addressed within the required time schedule, the BSB public works department will issue a stop work order to the landowner or responsible party. Persons receiving a stop work order will be required to halt all construction activities. This stop work order will be in effect until the BSB public works department confirms that the development activity is in compliance and the violation has been satisfactorily resolved. Failure to address a notice of violation in a timely manner can result in civil, criminal, or monetary penalties in accordance with the enforcement measures authorized in [section] 13.32.110.

F. ***Civil and Criminal Penalties.*** In addition to or as an alternative to any penalty provided herein or by law, any person who violates the provisions of this chapter shall be punished by a fine not to exceed five hundred dollars or by imprisonment for a period not to exceed six months, or both. Such person shall be guilty of a separate offense for each day during which the violation occurs or continues.

G. ***Restoration of Lands.*** A violator may be required to restore land to its undisturbed condition. In the event that restoration is not undertaken within a

**ENFORCEMENT RESPONSE PLAN FOR STORMWATER MANAGEMENT WITHIN THE
CITY/COUNTY OF BUTTE-SILVER BOW MONTANA
February 2023**

reasonable time after notice, the Butte-Silver Bow Public works department may take necessary corrective action, two times the cost of which shall become a lien upon the property until paid.

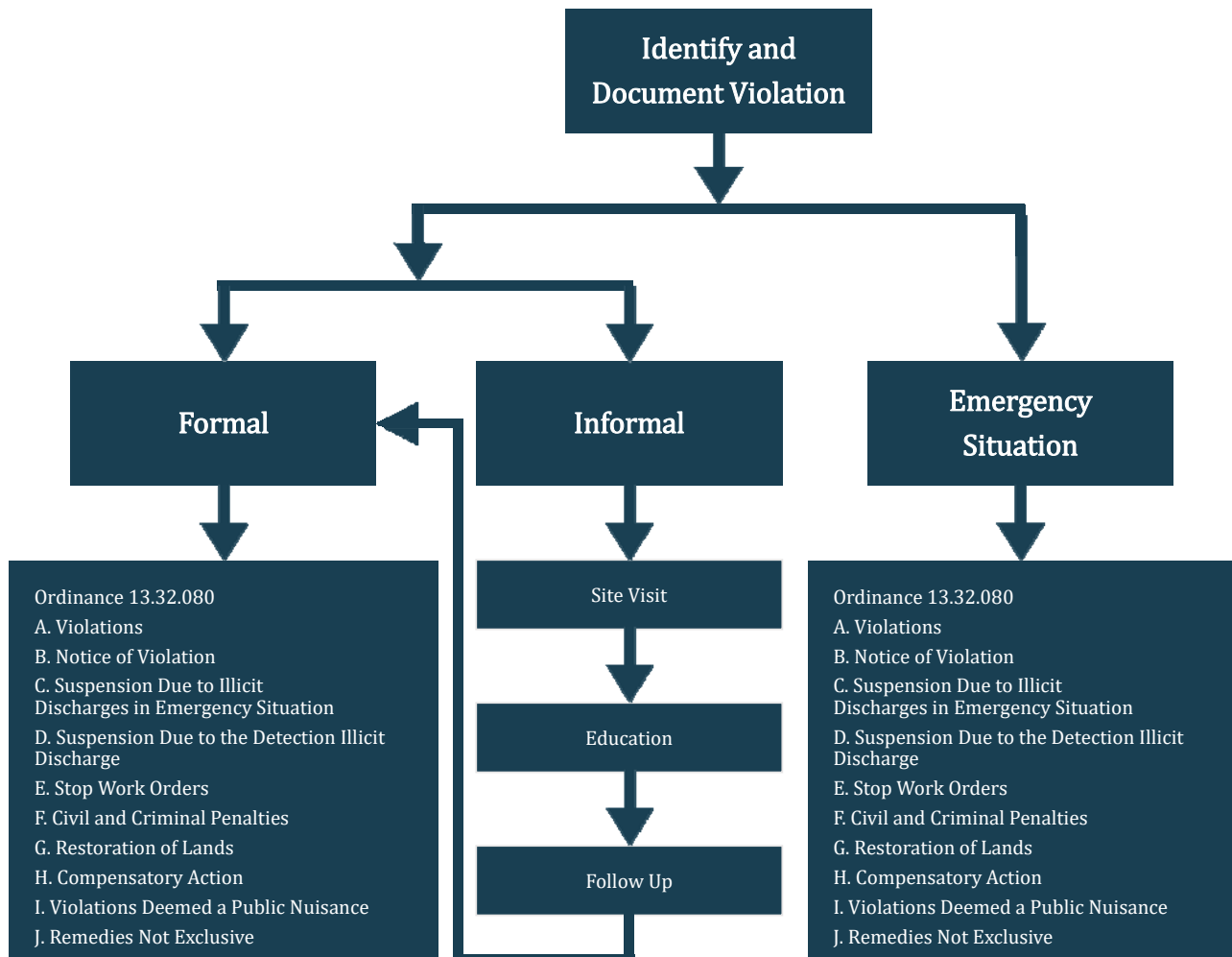
H. ***Compensatory Action.*** In lieu of enforcement proceedings, penalties, and remedies authorized by this chapter, the BSB public works department may impose alternative compensatory actions upon the person, such as storm drain stenciling or marking, attendance at compliance workshops, creek cleanups, or other reasonable measure.

I. ***Violations Deemed a Public Nuisance.*** In addition to the endorsement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provision so of this chapter that is deemed a threat to public health, safety, and welfare, shall be declared a nuisance, and may be summarily abated or restored by the BSB public works department or a designated contractors at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

J. ***Remedies Not Exclusive.*** The remedies listed in this chapter are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.



Enforcement Response (ERP) Flowchart for the Butte-Silver Bow Stormwater Management Program



Butte-Silver Bow Illicit Discharge Detection & Elimination (IDDE)/Repair & Illegal Dumping Plan



**Butte-Silver Bow Public Works
Metro Sewer Division
800 Centennial Avenue
Butte, MT 59701**

Revised January 2023

1.0 INTRODUCTION

Butte-Silver Bow (BSB) Metro Sewer Division has developed a plan to locate and eliminate illegal discharges, including illegal dumping, to the storm water system and receiving surface waters. The BSB plan was created to meet requirements of its Phase II Municipal Separate Storm Sewer System (MS4) Storm Water Permit (Permit #MTR040006), specifically Section II.B.3 of the Montana General Permit.

2.0 ORDINANCE

Butte Silver Bow (BSB) Ordinance No. 10-13 was adopted April 20, 2011 and was effective 30-days later on May 20, 2011. *Article III. Illicit Discharge Requirements* details the Counties responsibility regarding illicit discharges. Following are the pertinent sections:

- Section 3:13.32.300 Applicability defines the water sources allowed to enter the storm water system.
- Section 3:13.32.310 Discharge Prohibitions defines an illegal discharge; it gives legal authority to disallow illicit connections and pollutant contributions to the storm water system.
- Section 3:13.32.320 Industrial or Construction Activity requires developers to submit a Montana Pollutant Discharge Elimination System (MPDES) storm water discharge permit to BSB Pubic Works Department.
- Section 3:13.32.330 Monitoring of Discharges gives BSB the authority to enter and inspect facilities to determine compliance.
- Section 3:13.32.340 Requirement to Prevent, Control, and Reduce Storm Water Pollutants by the Use of Best Management Practices gives BSB the authority to require Best Management Practices (BMPs).
- Section 3:13.32.350 Requirement to Eliminate Illegal Discharges gives BSB the authority to disconnect an illegal, illicit connection.

3.0 ILLICIT DISCHARGE DETECTION/REPAIR

BSB personnel will use a variety of methods to determine if significant contributors of pollutants into the small MS4 and occasional incidental non-storm water discharges are present. These methods include:

- Reports from citizens to the Storm Water Hotline;
- Historic information on known illicit connections;
- Annual outfall inspections;
- Routine dry weather inspections;
- Smoke testing for cross connections;
- Regular BSB Metro Sewer maintenance inspections; &
- Inspections during storm water and sanitary sewer rehabilitation projects.

BSB personnel will use a variety of investigation tools to test for illicit discharge connections including:

- Dye-testing;
- Live inspection;
- Smoke testing; and
- Closed-Circuit Television (CCTV).

BSB personnel will look for evidence of illicit connections including the presence of toilet paper, sheens, algae, fecal matter, foul odors on site when investigating an illicit discharge. Suspicious roof drains, floor drains, toilets, and sinks are dye tested. Illicit connections will be investigated and repaired and may include re-routing floor drains, sinks, and/or toilets to the sanitary sewer system. It is allowable for roof drains to connect to the storm sewer system. Investigations and repairs will be documented with photographs as detailed in Section 5.1.

A summary of the 2018 smoke testing results is included in **Attachment 1**.

Illicit discharges will be repaired by the BSB Metro Maintenance Department personnel or associated contractors in a timely manner.

4.0 ILLEGAL DUMPING

BSB personnel will determine if illegal dumping has occurred using the methods outlined in Section 3.0.

5.0 DOCUMENTATION

5.1 Illegal Discharges

Investigation: BSB personnel will record the investigation results using an inspection log, a DVD, and/or site photographs.

Repair: Details of illicit discharge repair projects will be compiled. The information documented includes: date, location/address, reason for repair, BSB personnel, pipe type installed, pipe length installed, connections used, depth from surface to top of pipe/bury depth, estimated slope, pipe bedding, and a sketch. An example of an Illicit Discharge Repair Project checklist is included in **Attachment 2**.

5.2 Illegal Dumping

Investigation: BSB personnel record the investigation results using an inspection log and/or site photograph.

Cleanup: Details of illegal dumping cleanup will be compiled. The information documented includes: date, location/address, BSB personnel, photographs before and after, and estimated volume of debris. An example of an Illegal Dumping checklist is included in **Attachment 3**.

6.0 SUMMARY

Illicit discharge connections and illegal dumping are identified and repaired through various methods. Illicit connections are removed in an expeditious manner and either abandoned or re-routed to the sanitary sewer system. Illegal dump sites will be cleaned up. Illicit discharge and illegal dump sites are documented in an annual report.

ATTACHMENT 1

Illicit Discharge Repair Project Checklist

Illicit Discharge Repair Project Checklist

Date: _____

Location/Address: _____

Type of Discharge: _____

Reason for repair: _____

BSB personnel: _____

Pipe type installed: _____

Length installed: _____

Connections used: _____

Depth from surface to top of pipe: _____

Bury Depth: _____

Estimated slope: _____

Bedding: _____

Comments: _____

Sketch:

ATTACHMENT 2

Illegal Dumping Checklist

Illegal Dumping Checklist

Date: _____

Location/address: _____

BSB personnel: _____

Type of Debris: _____

Debris volume: _____

Photograph (before): _____

Photograph (after): _____

Comments: _____

Appendix F

List of Construction Sites/Projects Inspected and Resulting Actions

List of Construction Sites/Projects Inspected in 2023

Sites	Post Construction BMP's	Location	Type
Oppidan	Yes	Washoe St	Sediment Basins/Retention Pond
TDS	Yes	Wynne/Meadowlark Corner	Retention Pond
Butte GM	Yes	3900 Harrison Ave	Retention Pond
Universal Athletic	Yes	3544 Harrison Ave	Retention Pond
NAHN	Yes	Iron St	Retention Pond
Grand Apartments	Yes	Grand Ave/Garfield St	Retention Pond
HWY55	Yes	3528 Harrison Ave	Underground retention system
Aware Building		Pine St	
Car Wash		Harrison Ave	
Casey St Storage		Casey St	
NW Meadowlark Apartments		Corto Rd	
Parrott Tailings		Civic Center Rd	



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Aware Subdivision Location: Pine St
Date of Inspection: 4/20/23 Start/End Time: 1:50/2:05
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☒ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 59°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at time of inspection-
Appears site grading was happening before



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☒ Straw Bales
- ☒ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☒ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____





Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☒ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Aware Subdivision

Location: Pine St

Date of Inspection: 7/31/23

Start/End Time: 3:40 / 3:50

Inspector's Name(s): Kyle West

Inspector's Title(s): _____

Inspector's Phone: _____

Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event☐ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☒ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds

☐ Other: _____ Temperature: 86°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☒ Straw Bales
- ☒ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☒ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____
Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☒ ~~Straw Bales~~
- ☒ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☒ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Butte GM Location: Harrison Ave
Date of Inspection: 7/31/23 Start/End Time: 2:45/3:00
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☒ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 85°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at time of inspection
- Site/Dirt work - Form work



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☒ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☒ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☒ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Butte GM Location: Harrison Ave
Date of Inspection: 10/24/23 Start/End Time: 3:00/3:10
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 48°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at the time -
Appears to be footing/form work for building addition



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____
Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Express Rocky Mountain Car Wash Location: Harrison Ave
Date of Inspection: 6/8/23 Start/End Time: 2:35/2:50
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☒ Post-Rain Event
☐ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 63°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at the time. Building work appears to be current phase



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☒ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
None	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Express Car Wash

Location: Harrison Ave

Date of Inspection: 10/24/23

Start/End Time: 3:15 / 3:30

Inspector's Name(s): Kyle West

Inspector's Title(s): _____

Inspector's Phone: _____

Phase of Construction: _____

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event

☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds

☐ Other: _____ Temperature: 48°F

Is a Storm Water Discharge Occurring? ☐ Yes ☐ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: Interior building work



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☒ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☒ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Casey St Storage Location: Casey St
Date of Inspection: 11/27/23 Start/End Time: 11:00/11:10
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 30°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☒ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☒ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____
Summary: _____





Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
Inlet protection, silt fencing, good housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Grand Ave Apts. Location: Grand Ave
Date of Inspection: 7/31/23 Start/End Time: 3:25/3:35
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☒ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 86°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: Roofing - Interior building
& exterior work



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☒ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

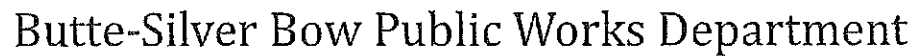
BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____
Summary: _____



GENERAL INFORMATION

Type of Inspection:

Weather Conditions at Time of the Inspection:

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

2



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☒ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: HWY 55 Location: Harrison Ave
Date of Inspection: 6/8/23 Start/End Time: 1:30/1:45
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☒ Post-Rain Event
☐ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 63°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: site grading / building
interior work



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Hwy 55 Location: Harrison Ave
Date of Inspection: 7/31/23 Start/End Time: 3:05/3:10
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☒ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 86°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None - site appears near completion



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☒ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
<i>None</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☒ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☒ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
Could use traction control pad for entrance/exit on Iron St	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: NAHN

Location: Iron St

Date of Inspection: 7/31/23

Start/End Time: 2:20/2:35

Inspector's Name(s): Kyle West

Inspector's Title(s): _____

Inspector's Phone: _____

Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event

☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☒ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds

☐ Other: _____

Temperature: 85°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at the time



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☒ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☒ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
<i>None</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: NAHV Location: Iron St
Date of Inspection: 8/21/23 Start/End Time: 12:00/12:15
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☒ Post-Rain Event
☐ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 75°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at time of inspection - Appears building prep work was taking place - Dirt moving



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☒ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☒ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☒ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
<i>none</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: NAHAN Location: Iron St
Date of Inspection: 10/24/23 Start/End Time: 2:00/2:15
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 47°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: none at the time -
Appears to be building foundation work



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____
Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☒ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: NW Meadowlark Apts.

Location: Coryo Rd

Date of Inspection: 12/21/23

Start/End Time: 1:30/1:45

Inspector's Name(s): Kyle West

Inspector's Title(s): _____

Inspector's Phone: _____

Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☐ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds

☐ Other: _____ Temperature: 34.1

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at the time

[illegible]



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department.

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☒ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☒ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☒ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____





Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☒ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☒ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☒ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☒ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____





Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☐ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



Butte-Silver Bow Public Works Department

BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No
If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

FORM #5—CONSTRUCTION SITE VISIT STORM WATER INSPECTION FORM (CONSTRUCTION)

GENERAL INFORMATION

Project Name: Parrot Tailings Location: Civic Center Rd
Date of Inspection: 7/31/23 Start/End Time: 3:50/4:05
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

- ☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

- ☒ Clear ☒ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds
☐ Other: _____ Temperature: 86°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None - Site appears well kept - Road was paved going through



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☒ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☐ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☐ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☐ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☒ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☒ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☒ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☐ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☒ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☐ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☐ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☐ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☐ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☐ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☒ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☐ Stabilization Vehicle Entrance
- ☐ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☒ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
Maintain inlet protection/add protection Consider other method for outlet in pond	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Lack of vehicle traction control Manage vehicle entrance/exit to minimize tracking	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Maintain concrete washout and clean up concrete residue outside of washout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____

**FORM #5—CONSTRUCTION SITE VISIT STORM WATER
INSPECTION FORM (CONSTRUCTION)**

GENERAL INFORMATION

Project Name: TDS Warehouse Location: Wynne/Meadowlark
Date of Inspection: 12/21/23 Start/End Time: 1:00/1:20
Inspector's Name(s): Kyle West Inspector's Title(s): _____
Inspector's Phone: _____ Phase of Construction: During

Type of Inspection:

☐ Beginning of Construction ☐ Pre-Storm Event ☐ During Rain Event ☐ Post-Rain Event
☒ Routine ☐ Random ☐ Conclusion of Project ☐ Response to Violation or Complaint

Weather Conditions at Time of the Inspection:

☐ Clear
 ☒ Cloudy
 ☐ Rain
 ☐ Sleet
 ☐ Fog
 ☐ Snowing
 ☐ High Winds
☐ Other: _____ Temperature: 34°F

Is a Storm Water Discharge Occurring? ☐ Yes ☒ No Observations: _____

If Yes, is the Discharge to an Impaired Waterbody? ☐ Yes ☐ No

INSPECTION FINDINGS

Major Construction Activities at the Time of the Inspection: None at the time.



Butte-Silver Bow Public Works Department

Pollutants Present at the Time of the Inspection:

Soils

- ☒ Areas of Shallow Grade (3:1 or less)
- ☐ Areas of Steep Grade (3:1 or greater)
- ☐ Slopes
- ☐ Ditch
- ☒ Stockpiles
- ☐ Contaminated Soils
- ☐ Import & Export Operations
- ☒ Entrance/Exit Locations
- ☐ Other: _____

Materials

- ☐ Loading & Unloading Operations
- ☒ Storage of Building Materials
- ☐ Storage of Chemicals
- ☒ Portable Toilets
- ☐ Concrete Batch Plant
- ☐ Asphalt Batch Plant
- ☒ Worker Trash
- ☐ Demolition Materials/Debris
- ☐ Other: _____

Activities

- ☐ Concrete Truck Washout
- ☐ Masonry—Stone/Brick/Concrete
- ☐ Spray/Wand Applications
- ☐ Finish Work—Drywall/Painting
- ☐ Equipment Washing
- ☐ Washing of Buildings
- ☐ Maintenance of Equipment
- ☐ Refueling Operations
- ☐ Application of Herbicides, Pesticides, Fertilizers
- ☐ Application of Solvents or Detergents
- ☐ Construction Dewatering
- ☐ Other: _____

BMPs Present at the Time of the Inspection:

Erosion Control BMPs

- ☐ Surface Roughening
- ☐ Diversion Ditches
- ☐ Velocity Checks/Check Dams
- ☐ Preservations of Existing Vegetation
- ☐ Minimizing Ground Disturbance
- ☐ Mulch—Straw/Compost
- ☐ Tackifiers/Soil Binders
- ☐ Temporary Seeding
- ☐ Erosion Control Blankets
- ☐ Rough Cut Street Controls/Water Bars
- ☐ Channel Liner
- ☐ Stream Crossing
- ☐ Terracing
- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☐ Concrete and Liquid Waste Washouts
- ☒ Worker Toilets
- ☐ Construction Fencing
- ☐ Dust Control
- ☐ Secondary Containment
- ☒ Dumpsters/ Waste Receptacles
- ☐ Stabilized Staging Area
- ☒ Material Storage and Stockpile Area
- ☐ Paving and Painting Controls
- ☐ Saw Cutting and Grinding Controls
- ☐ Spill Prevention and Response Procedures
- ☐ Traffic Control
- ☐ Back Charging/Penalties
- ☐ Other: _____

Run On/Runoff Control BMPs

- ☐ Temporary Slope Drain
- ☐ Rock Run Down
- ☐ Clean Water Diversion
- ☐ Drainage Swales
- ☐ Other: _____

Sediment Control BMPs

- ☒ Silt Fence
- ☐ Straw Wattles
- ☐ Rock Wattles/Rock Socks
- ☐ Curb Socks
- ☐ Straw Bales
- ☐ Earthen Berms
- ☐ Vegetative Buffers
- ☐ Drainage Ditch/Ditch Berm
- ☐ Gravel Pack
- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
- ☐ Brush Barrier
- ☐ Sandbag Barrier
- ☒ Inlet Protection
- ☐ Vehicle Tracking Control Pad
- ☒ Stabilization Vehicle Entrance
- ☒ Stabilization Parking Area
- ☐ Stabilization Construction Roadway
- ☐ Street Sweeping
- ☐ Sediment Trap
- ☐ Sediment Basin
- ☐ Other: _____

Post Construction BMPs

- ☐ Detention Pond(s)
- ☒ Retention Pond(s)
- ☐ Drainage Swales
- ☐ Infiltration System(s)
- ☐ Dry Well(s)
- ☐ Other: _____



BMP MAINTENANCE AND CORRECTIVE ACTIONS

BMP Requiring Maintenance and/or Corrective Actions and Location of BMP	Maintenance Needed?	Corrective Action Required?	Date When Maintenance or Corrective Action(s) are Completed	Description of Corrective Action
Unprotected inlets drain to pond on site Consider protecting to keep sediment out of pond - would be beneficial for pond maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Consider more adequate outlet protection at pond before thaw that could cause pond level to rise and reach outlet level	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

DISCHARGE OF SEDIMENT OR OTHER POLLUTANT AND UPDATES

Were discharges of sediment or other pollutants observed during inspection? ☐ Yes ☒ No If yes, is the discharge to an impaired waterbody? ☒ Yes ☐ No

If discharge is observed, please explain. Include locations of discharges and a description and dates of completed corrective actions: _____

PROJECT CONTACT COMMUNICATION

Name/Position: _____ Date: _____

Summary: _____



THE CITY-COUNTY OF Butte-Silver Bow

January 10, 2023

Todd Hunkler
National Affordable Housing Network
66 West Park St. # 211
Butte MT 59701

RE: Notice of Violation: National Affordable Housing Network – Iron Street Affordable Housing Development

The National Affordable Housing Network (NAHN) and/or its Contractor (H&H Contracting, Inc.) applied for two Excavation and Dirt Moving permits associated with the construction project located on Iron Street. The first excavation permit application was dated 5/6/2022 for utility work within the roadway at Iron and Montana Streets and was approved and completed appropriately. The second excavation permit application was dated 5/22/2022 for the work along the north side of Iron Street associated with the main construction project was not approved. As stated in the permit application and detailed below, approval of an excavation and dirt moving permit also requires an approved Stormwater Management Permit.

Butte-Silver Bow (BSB), during routine inspections and discussions, has determined that the construction project located on Iron Street near the intersection of Iron and Montana Streets is in violation of BSB Municipal Code within Chapter 8.28-Excavations and Dirt Moving and Chapter 13.32-Storm Water Management.

Chapter 8.28 pertains to Excavations and Dirt Moving and requires at § 8.28.040:

"An Applicant shall not commence any "Excavation and Dirt-Moving Activity" nor receive any of the building, grading, or other land development permits within the "Excavation and Dirt-Moving Control District" without first meeting the requirements of this Chapter."

National Affordable Housing and/or its contractor have failed to obtain the proper Excavation and Dirt Moving permit(s) for the construction located on West Iron Street as required in BSB Municipal Code Chapter 8.28.

Chapter 13.32 pertains to Storm Water Management and requires at § 13.32.200:

"No landowner or responsible party shall engage in any land disturbance activity without having provided for appropriate storm water management measures in compliance with this chapter, unless exempted in this section."

Subsection 13.32.220 requires the following pertaining to applications:

“Landowners or responsible parties shall not receive any of the building, excavation or other land development permits required for a land disturbance activity without first meeting the requirements of this chapter.

A. *Application Requirements. Any landowner or responsible party desiring a permit for a land disturbance activity shall submit to the Butte-Silver Bow Public Works Department a storm water management permit application on a form provided for that purpose. The permit application shall be accompanied by the following in order to be considered:*

- 1. Storm water engineering report; and*
- 2. Maintenance agreement.*

The storm water engineering report and maintenance agreement shall be prepared to meet the requirements listed in the attached municipal storm water engineering standards document, which is included as exhibit A and incorporated herein. These engineering standards will be updated periodically as determined necessary by the Butte Silver Bow Public Works Department. Land disturbance activities greater than one acre shall also comply with requirements of the current MPDES general permit for storm water discharge associated with construction activity.”

National Affordable Housing and/or its contractor have failed to obtain an approved Storm Water Management Permit for the construction site located on West Iron Street as required in BSB Municipal Code Chapter 13.32.

As authorized in BSB Municipal Codes 8.28.070 and 13.32.080, BSB is issuing a Notice of Violation (NOV) for the aforementioned violations of § 8.28.040 and § 13.32.200.

National Affordable Housing and/or its contractor shall complete the following prior to any additional work at the site:

- Obtain an approved Storm Water Management Permit from BSB;
- Obtain an approved Excavation and Dirt Moving Permit for the construction site that is consistent with the Storm Water Management Permit;
- If the disturbance area is over one (1) acre, obtain and provide the required MPDES Storm Water Construction General Permit Authorization from the Montana Department of Environmental Quality.

BSB permit applications and guidelines can be found at <https://bsbstormwater.org/construction/>

Please address these violations and notify BSB once complete. If you have any questions or concerns with this response, please contact me at mneary@bsb.mt.gov or (406) 497-6519.

Sincerely,

Mark Neary
Butte-Silver Bow Public Works Director



THE CITY-COUNTY OF Butte-Silver Bow

May 15, 2023

Josh Foulois
Hoffman's R&M Services & Excavation
2100 Meadowlark Ln
Butte MT 59701

RE: Notice of Violation: Hoffman's R&M Services & Excavation – Copper Fox Subdivision Development

The Copper Fox Subdivision (CFS) and/or its Contractor (Hoffman's R&M Services & Excavations) held a Stormwater Pollution Prevention Plan (SWPPP) permit with an authorization number of MTR#108874 which was terminated in March of 2023. A complaint report was submitted to Montana Department of Environmental Quality (MDEQ) on May 1, 2023. The complaint indicated that sediment was leaving the site and may be able to enter state waters. MDEQ notified Hoffman's to ask for information regarding permit coverage that was terminated in March. The report was forwarded to Butte-Silver Bow (BSB) on May 3, 2023.

BSB following inspections and discussions, has determined that the construction project located on Meadowlark Ln near the intersection of Arizona St and Meadowlark Ln is in violation of BSB Municipal Code within Chapter 13.32-Storm Water Management. A separate compliance letter has been issued to the Contractor in regard to not obtaining street opening permits for recent excavation and installation of utility connections.

Chapter 13.32 pertains to Storm Water Management and requires at § 13.32.200:

'No landowner or responsible party shall engage in any land disturbance activity without having provided for appropriate storm water management measures in compliance with this chapter, unless exempted in this section.'

Subsection 13.32.220 requires the following pertaining to applications:

"Landowners or responsible parties shall not receive any of the building, excavation or other land development permits required for a land disturbance activity without first meeting the requirements of this chapter.

"Land disturbance activities greater than one acre shall also comply with requirements of the current MPDES general permit for storm water discharge associated with construction activity."

Copper Fox Subdivision and/or its contractor have failed to maintain temporary or permanent sediment control Best Management Practices (BMPs) or achieve final stabilization of the disturbance area with SWPPP coverage under MTR#108874 on Meadowlark Ln as required by MPDES general permit Section 3.8 and required by 13.32.220 leading to sediment discharging from the site and potentially entering a state water and the MS4 of Butte-Silver Bow.

Section 3.8 of the MPDES general permit states that to achieve final stabilization a permittee must:

- *Uniformly establish vegetative cover or equivalent permanent physical erosion reduction methods over the entire disturbed area, without any relatively bare areas based on the pre-disturbance conditions.*
- *Establish vegetative cover to density of at least 70% of pre-disturbance levels, or implement equivalent permanent physical erosion reduction methods.*
- *For vegetative cover, use perennial plants adapted to site conditions and*
- *Utilize final stabilization measures that can provide erosion control equivalent to pre-existing site conditions.*

As authorized in BSB Municipal Code 13.32.220, BSB is issuing a Notice of Violation (NOV) for the aforementioned violations of § 13.32.200.

Copper Fox Subdivision and/or its contractor shall complete the following prior to any additional work at the site:

- Maintain the sediment control BMPs, clean up any sediment on the streets, excavate accumulated sediment from permanent stormwater features, and mitigate erosion occurring on site;
- BSB is not requiring the reopening of the MPDES coverage but is requiring the site to be maintained as if coverage was still attained until the stabilization requirements of the permit are satisfied.

MPDES General Permit related to Construction Activity can be found at [2023 FPER-MTR100000](#).

Please address these violations and notify BSB once complete. If you have any questions or concerns with this response, please contact me at mneary@bsb.mt.gov or (406) 497-6519.

Sincerely,

Mark Neary
Butte-Silver Bow Public Works Director

Appendix G

Summary of SOPs updated in Reported Year



March 1, 2024

Appendix G Summary of SOP Evaluation – MS4 Annual Report

BSB revised one SOP after evaluations in 2023. BSB personnel will also audit the performance of the BMPs in 2024 with a field visit and sampling effort at two flushing events. SOP #18 Hydrant Flushing was revised to now state:

Operating Best Management Practices (BMPs) needed:	<ol style="list-style-type: none">1. Sweep streets prior to flushing.2. Attach Chlorine Diffuser with dechlorination tablet to discharge line as needed.3. Sweep streets after project completion if sediment is present.4. Clean out sludge from hydrant and properly dispose at the City Landfill.5. Whenever possible discharge is directed to pervious areas.
Administrative BMPs needed:	<ol style="list-style-type: none">1. MDEQ General Permit for Disinfected Water and Hydrostatic Testing (MTG770000) should not be required if all operating BMPs are met. If still required, all conditions of this permit shall be followed and work shall not begin until permit coverage is obtained.2. Schedule hydrants to be flushed in accordance with street sweeping schedule.3. Arrange for sludge disposal.

Appendix H
Trainings and Meetings



THE CITY-COUNTY OF Butte-Silver Bow

March 1, 2024

Appendix H Training – MS4 Annual Report

Attached are agendas for monthly MS4 coordination team meetings and a copy of the training provided for contractors on June 7, 2023. A morning and afternoon session were held. Training included MS4 requirements, permitting process, why stormwater management matters and Silver Bow County specific information regarding Superfund.

BSB targeted construction site inspection personnel training with the attendance of BMP 301R. BSB has complied with the permit requirements to have a SWMT comprehensive training in 1st year of the permit term. All members of the BSB inspection team are SWPPP certified and have been trained in accordance with the inspection protocol and implementation of the ERP. During the 1st year of the permit term BSB provided all members of the SWMT with introductory paperwork that satisfies the training requirement for field and facility personnel. Department specific SOPs will be distributed to each department during the Q2 SWMT meeting to further implement this training requirement within the MS4. In 2024 BSB will conduct post-construction site personnel training, including educational outreach to post-construction facility owners.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 01/10/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Annual report – Update
3. NOV letter for National Affordable Housing
4. Other Needs?
5. Next monthly meeting, Tuesday, Feb 14 @ 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 02/14/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Annual report – Update
3. Other Needs?
4. Next monthly meeting, Tuesday, March 14 @ 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 05/09/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Sampling
3. Copper Fox
4. Contractor Training
5. Next monthly meeting, Tuesday, Feb 14 @ 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 02/14/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Training Recap
3. Sampling Updates
4. SW Plan Review
5. Next monthly meeting, Tuesday, July 11 @ 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 07/11/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Report from Chris Romankiewicz
3. TMDL Sampling
4. SW Plan Review
5. Next monthly meeting, Tuesday, August 8 @ 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe
DATE: 09/12/2023
RE: MS4 Monthly Meeting

1. Workload needs?
2. Permittee Owned Facility Inspections
3. SAP
4. Construction Inspections
 - Kyle needs? Update?
5. Maintenance
6. 2022 Annual Report Response from MDEQ
7. Next monthly meeting, Tuesday, October 10 1:00 @ WET.

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 10/19/2023
RE: MS4 Monthly Meeting

1. Takeaways from the Training
2. Annual Report
3. SAP
4. Construction Inspections
 - Kyle needs? Monthly Progress w/ Dylan
5. Maintenance
6. Next monthly meeting, Tuesday, November 14, 1:00 @ WET.

TO: Rayelynn Brandl
FROM: Stephen Coe, Dylan Livingston
DATE: 11/14/2023
RE: MS4 MCM 1&2 Update Meeting

1. Annual Report Response
 - Delegate Response Items
2. Rayelynn to share ideas
3. Reporting Timeline

TO: Mark Neary, Kyle West
FROM: Josh Vincent, Stephen Coe, Dylan Livingston
DATE: 11/14/2023
RE: MS4 Monthly Meeting

1. CFWEP Update – MCMs 1&2
2. Training Ideas – SWMP Team early 2024
 - Field personnel – Kyle and Dylan
3. Other Needs?
4. Next monthly meeting, Tuesday, December 12, 1:00 @ WET.

TO: Kyle West
FROM: Dylan Livingston
DATE: 12/12/2023
RE: MS4 Monthly Meeting

1. Update with Kyle
 - FOG Meeting Wrap-Up
 - Post Construction List Compiling
 - WMCC Meeting Wrap-Up
 - Inspection site follow-up
 - Annual Report Schedule
2. Next monthly meeting, Tuesday, January 9, 1:00 @ WET.

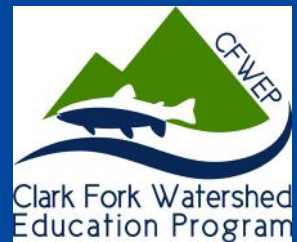


Water & Environmental
TECHNOLOGIES



MS4: Construction Stormwater Requirements for Butte-Silver Bow

Rayelynn Brandl, Mark Neary, Kyle West, Stephen Coe P.E., Dylan
Livingston





Water & Environmental
TECHNOLOGIES

A photograph showing the silhouettes of four construction workers on a steel framework, likely a bridge or large industrial structure, against a bright sunset sky. The workers are wearing hard hats and safety harnesses. The steel beams and girders create a complex geometric pattern.

MS4 Introduction

Montana Pollutant Discharge Elimination System (MPDES)
General Permit MTR040000 is a fifth generation Comprehensive
General Permit for stormwater discharges associated with Small
Municipal Separate Storm Sewer Systems (MS4s).

MS4 Introduction

- National Pollutant Discharge Elimination System
 - 1990 cities >100,000 population were required to manage stormwater
 - 1999 cities >10,000 population were required to manage stormwater
 - EPA authorized MDEQ to administer MS4 program in Montana
 - 7 cities, 3 counties, 4 non-traditional permittees – more are coming
- Receiving Waters of Stormwater
 - Silver Bow Creek
 - Blacktail Creek
 - Sand Creek
 - Basin Creek
 - Grove Gulch Creek

MS4 Introduction

- Butte
 - Traditional MS4
 - Boundary encompasses the entire urban area within the urban limits boundary including the sewer district
 - 29.7 square miles
 - Large network of storm drains, catch basins, retention ponds, ditches and other conveyances
- Superfund Responsibilities
 - Maintenance of Superfund Stormwater Structures (SSWS)
- Additional Permits in MS4 Boundary
 - Metro Sewer: MPDES Effluent Discharge, Multi-Sector General Permit for SW Discharge Assoc. with Industrial Activity
 - Construction Permits over 1-acre

Stormwater Management Plan (SWMP) Introduction

- Six Minimum Control Measures (MCMs)
 - Public Education, Outreach, Involvement, and Participation
 - Illicit Discharge Detection & Elimination
 - Construction Site Stormwater Management
 - Post-Construction Site Stormwater in New and Redevelopment
 - Pollution Prevention/Good Housekeeping
- Stormwater Management Team
 - Comprised of persons responsible for implementation of the SWMP
 - Establish, document, and execute formalized mechanisms for regular communication to ensure permit compliance and timely reporting
 - Primary SWMP coordinator followed by Org Chart

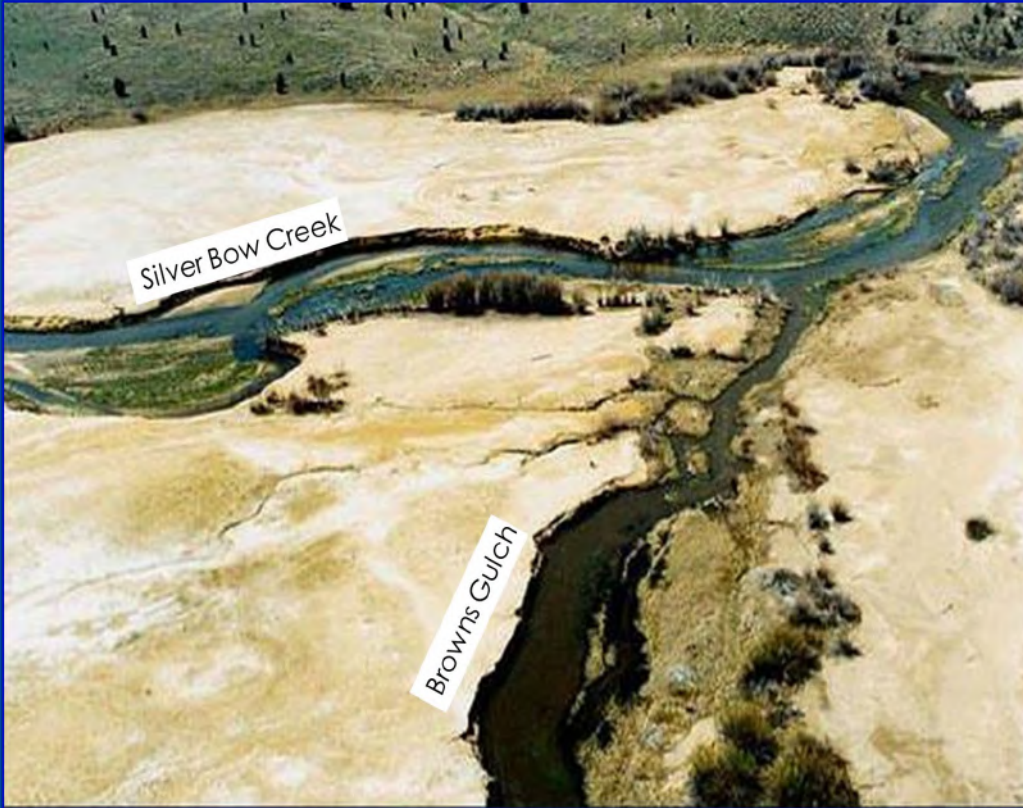
Why are you here today?

- MCMs 1&2 identify stormwater pollutant generating activities within the MS4
- Then a minimum of four applicable key target audiences to address pollutant generating behavior through education and outreach
- Construction Industry is a key target audience
- Outreach strategy selected-Community meeting and presentation

Why controlling stormwater on construction sites is important

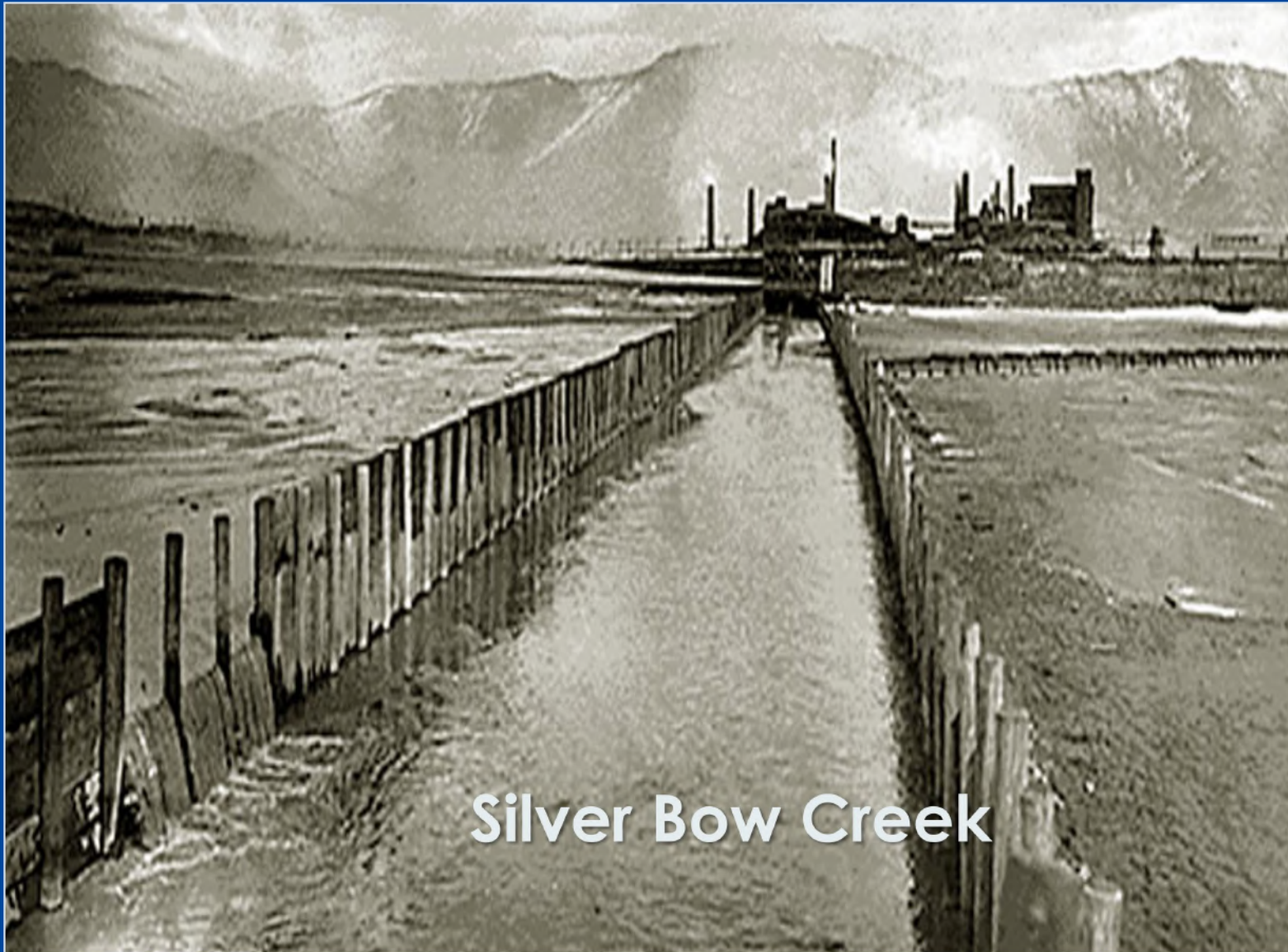
Let's take a walk down memory lane....

Recall that our rich history is built on a legacy of mining and mining wastes.



Tailings deposits at Ramsay Flats





Silver Bow Creek







The Trouble with Butte's Stormwater

Any runoff from Butte is high risk for the following reasons:

- Proximity to Superfund Sites = higher concentrations of metals discharging to streams
- Local geology--> soils in the area are naturally higher in mineral concentration and produce more sediment
- Headwaters region

Protection of the Restored Areas

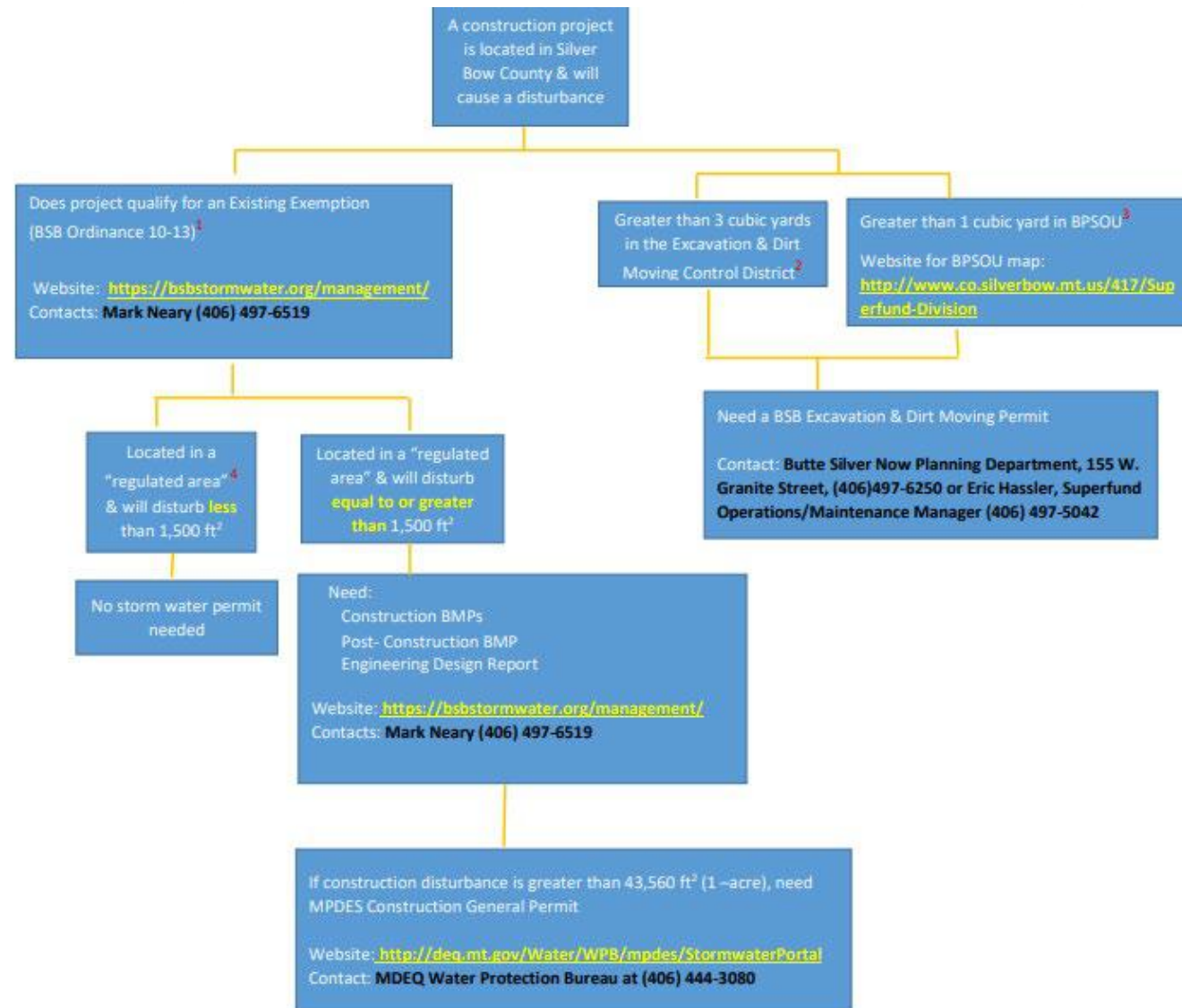
- Stormwater controls are the most important and significant forms of protection for these restored and remediated areas going forward.



How to control stormwater on your sites?

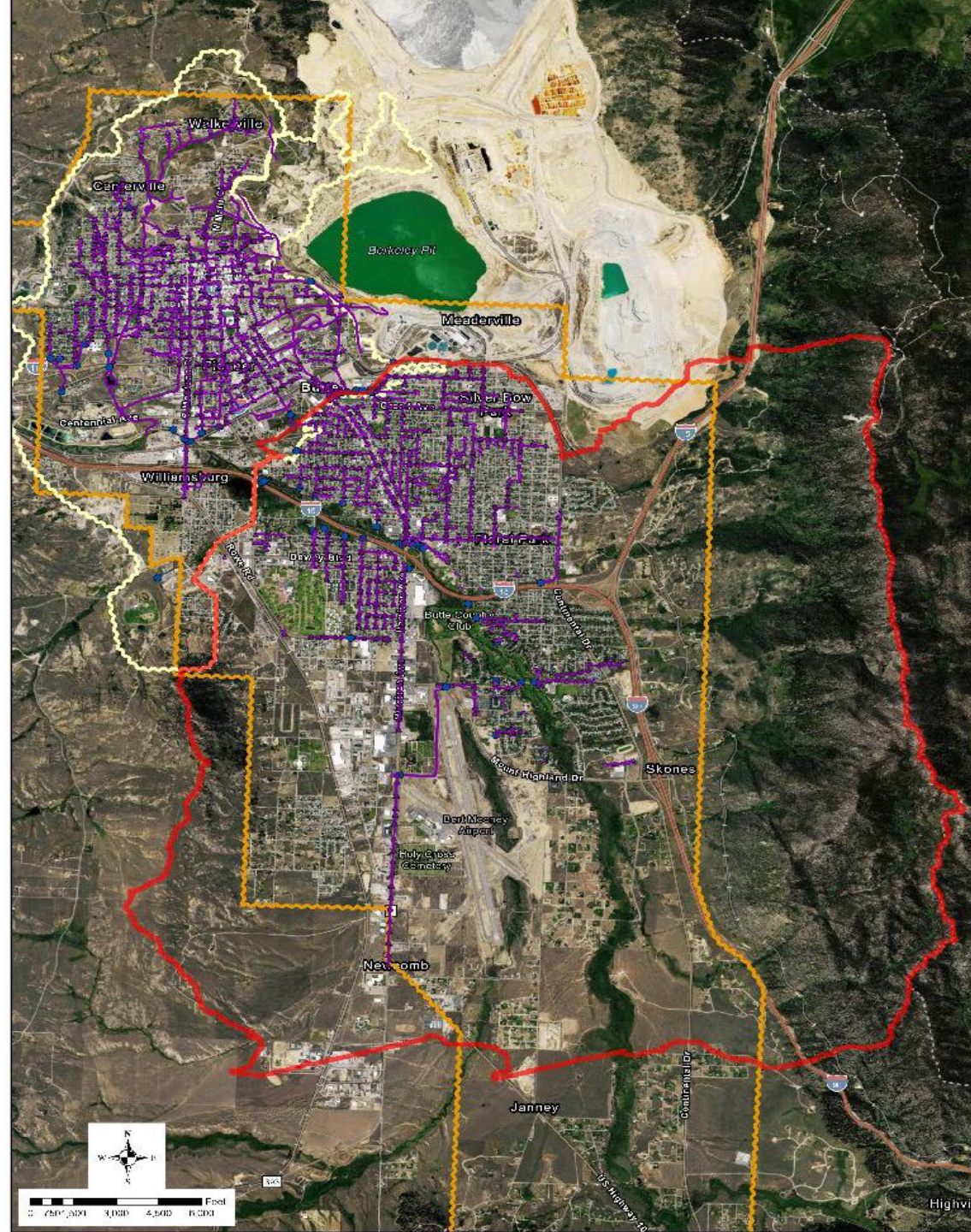
- Ordinance requires application, stormwater management plan, maintenance agreement, BMP plan, Excavation & Dirt moving application.
- Permanent stormwater controls must be implemented to meet BSB Engineering Standards
- These can be accessed on the website
 - [Bsbstormwater.org](https://bsbstormwater.org)
- Local Erosion and Sediment Controls must be met for all sites not qualifying for a variance
 - State MPDES Construction Permit for all sites greater than 1 acre disturbance

How to control stormwater on your sites?



Stormwater Variance

- A variance from the requirement to construct permanent stormwater infrastructure may be granted if:
 - The project increases the impervious surface less than or equal to 1,500 sf in a regulated area
 - The project increases the impervious surface less than or equal to 2,500 sf in a non-regulated area
 - If the project is within 1,000 ft of surface water, a variance will not be granted



Stormwater Management Plan

- Plans are submitted to Kyle West – BSB Public Works and sent out to be reviewed by a P.E.
- Completeness review to be done within 5 days of submittal
- Technical review to be done within 20 days from complete application

Importance of Complete Application

- Incomplete applications will lengthen the review process
- Additional reviews mean additional cost
 - \$130/hour for review in excess of the completeness and first technical review

Site Inspections

- BSB will conduct Inspections of the sites to fulfill MCM 4
- Corrective Actions will be communicated to permittee and must be addressed within 14 days
- Ordinance 20-06 requires sediment and erosion controls to be enforced through an Enforcement Response Plan
- Inspections will be conducted in accordance with the frequency protocol checklist that BSB will fill out upon receipt of a completed Stormwater Management Plan Application

Post-Construction

- Require that all regulated projects implement post-construction stormwater 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 (runoff reduction requirement).
- Post-Construction inspections to address requirements for post-construction controls will also be performed by BSB through ordinance 10-13.
 - Triggered by bond release request

Support Team

- Kyle West, Stormwater Coordinator, kwest@bsb.mt.gov
- Mark Neary, Director of Public Works, mneary@bsb.mt.gov
- [Construction - Stormwater Management \(bsbstormwater.org\)](https://bsbstormwater.org)

When do I need a stormwater permit?

If you are working on a new construction project, please [contact us](#) to begin applying for a permit.

Butte-Silver Bow Stormwater Ordinances, Standards & Forms	Butte-Silver Bow Excavation Permit Requirements
Butte-Silver Bow Municipal Code, Chapter 32 Stormwater Management	For details on Excavation Permit requirements and regulations, refer to Butte-Silver Bow Municipal Code Title 8, Chapter 28.
Form 1: Stormwater Management Permit Application (Pre-Construction)	Form 3: Excavation & Dirt Moving Permit Application (Building Code Department)
Form 2: Stormwater Management Application Checklist (Pre-Construction)	Excavation and Dirt Moving Permit Appendices
Form#2a - Maintenance Agreement	Excavation Ordinance
Form#2b - Construction Project BMP Plan	Map: Excavation Control District
Stormwater Engineering Standards	Butte Urban Limits Boundary
Ordinance 2020-06, Regulations for Control and Management of Storm Water	
Form 4: Variance Request for Permanent Storm Water Infrastructure	
MS4 Flowchart	

Questions?

Appendix I

Permittee Owned Facilities Inspections

BUTTE SILVER BOW PERMITTEE OWNED FACILITIES:

Facility	Date Inspected	Inspected by:	Pollutants	SWPPP Updated?	SPCC Updated?	High Priority Structural Controls in Place?
Civic Center	8/25/2023	DL, KW	Sediment, Nutrients, Trash/Debris	To be updated with new As-builts	To be updated with new As-builts	No
Maintenance Facility	8/25/2023	DL, KW	Sediment, Salt, Hydrocarbons, Trash/Debris	To be updated with new As-builts	To be updated with new As-builts	No

Montana Department of Environmental Quality
General Permit for Storm Water Discharges Associated with MS4 MTR04006
Butte-Silver Bow Maintenance Center

BMP INSPECTIONS MUST BE CONDUCTED QUARTERLY

Inspection Date:

Inspector Initials:

Corrective Action Deadline:

8/25/23 9:30

RL
N/A KW

Area	BMP Type	BMP present?	Have any spills/discharges occurred since		Explain:	Are there any spills/discharges at the time		Explain:	Maintenance and/or Corrective Action			
			the last inspection?			of the current inspection?			Needed			
Building E (garage/storage)	GH	Yes/No	Yes/No		All stormwater reports to detention pond.	Yes/No			N/A			
Building A (office)	VB	Yes/No	Yes/No			Yes/No						
Building F (garage/storage)	GH	Yes/No	Yes/No			Yes/No						
Building D (signs/ Parks Storage)	GH	Yes/No	Yes/No			Yes/No						
Building C (garage/storage)	GH	Yes/No	Yes/No			Yes/No						
Building B (Maintenance Shop)	GH	Yes/No	Yes/No			Yes/No						
	SPR	Yes/No	Yes/No			Yes/No						
	WMP	Yes/No	Yes/No			Yes/No						
Outside Wash Station	GH	Yes/No	Yes/No		spills are all occurring in maintenance areas and cleaned up with no exposure to stormwater	Yes/No						
	WMP	Yes/No	Yes/No			Yes/No						
Deicer Station	GH	Yes/No	Yes/No			Yes/No						
	SPR	Yes/No	Yes/No			Yes/No						
	WMP	Yes/No	Yes/No			Yes/No						
Grounds												
	Detention Ponds	Yes/No	Yes/No			Yes/No						
	Drain Inlets	Yes/No	Yes/No			Yes/No						
	GH	Yes/No	Yes/No			Yes/No						
	WMP	Yes/No	Yes/No			Yes/No						

VB - Vegetative Buffer

GH - Good Housekeeping

SPR - Spill Prevention and Response (secondary containment)

WMP - Waste Management Practices

Comments:

When as-built are finished, SWPPP & SPCC will be updated.

In the interim, SOPs are adequate along with structural & administrative BMPs.

Butte-Silver Bow
General Permit for Storm Water Discharges Associated with MS4 MTR040006
Butte-Silver Bow Civic Center

SITE INSPECTIONS MUST BE CONDUCTED ANNUALLY

Inspection Date: 8/25/23 11:00
Inspector Initials: PL, ICW

Area	Vegetation Adequate?	Evidence of Erosion?	Have any spills/discharges occurred since the last inspection?	Evidence of sheen, fouling, odor?	Maintenance and/or corrective action needed
North Parking Lot ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
South Parking Lot ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Lawn ✓	<u>Yes</u> / No / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Glycol Unit capped Drains	Yes / No / <u>N/A</u>	Yes / No / <u>N/A</u>	Yes / No / <u>N/A</u>	Yes / No / <u>N/A</u>	
Sump, floor drains → sewer	Yes / No / <u>N/A</u>	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 001 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 002 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 003 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 004 → removed w/ Parrot work	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	SWPPP Update w/ As-Built
Outfall 005 → removed w/ Parrot work	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 006 → removed w/ Parrot work	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 007 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	↓
Outfall 008 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 009 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	
Outfall 010 ✓	Yes / No / <u>N/A</u>	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	Yes / <u>No</u> / N/A	

Supervisor Signature: [Signature]

Corrective Action Deadline: When As-Built's are finalized, SWPPP & SPCC will be updated.

Appendix J

Sampling Rationale for Reported Year/ Monitoring Summary for Reported Year



THE CITY-COUNTY OF Butte-Silver Bow

March 1, 2024

Appendix K Sampling Rationale – MS4 Annual Report

BSB performed two sampling events in the first half of 2023 since only one sampling event was performed in 2022. BSB in conjunction with BPSOU remedy monitoring does report on the TMDL monitoring that is performed on the Metro Storm Drain, Silver Bow Creek sampling for four locations. The data is formalized but not validated or approved by Montana Department of Environmental Quality (MDEQ) until the end of the first quarter of a year. Therefore TMDL reporting included in this report is one year behind the current annual report year. BSB updates the sampling datasite, loading charts, and continues to implement updates to SOPs, SWMP and Ordinances based on the results of the monitoring performed within the MS4.

Appendix K

BMPs used to target and reduce discharges to impaired waterbodies

Superfund Monthly Reports

2020 Silver Bow Creek Consent Decree Outlining Stormwater and Creek Improvements

[BPSOU Consent Decree and Allocation Agreement | City and County of Butte-Silver Bow, MT](#)



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

February 10, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
CERCLA Enforcement Section
Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: January 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for January 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Josh Bryson, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – January 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during January 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In January, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 71 – Removal of snow from ditch and taken to snow storage site.
- Removal of snow from walkways, MWR, the Ryan Road staging area, and the Granite Mountain Memorial and taken to the snow storage site.

BRES Program. CFWEF concluded their field evaluations in July. BSB Staff is in the process of performing QA/QC and drafting the BRES 2022 Field Evaluations Summary Report. BSB Staff submitted the Revised 2021 BRES CAPs report on November 2, 2022 and await agency response. BSB staff also submitted the Revised 2021 BRES Summary Report on November 18, 2022, and the 2021 Annual Operation and Maintenance Report on November 18, 2022 and await agency response.

Vegetation and Weed Controls. In January 2023, no weed control was performed on BRES sites.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 19 Excavation and Dirt-Moving Permits during the month of January; 7 within the BPSOU:

- 1107 Lewisohn St. – replace existing retaining wall and sidewalk
- 31 Missoula Ave – demolition of structure
- Jackson St. – new duplex construction
- 733 S. Colorado – replace section of sidewalk
- 724 Placer St. – demolition of house
- 935 Sixteenth St. – foundation
- 9 S. Idaho St. – emergency utility repair

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During January 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Plowed access road to gain access to catch basin forebay. Removal of ice from the screen into the catch basin forebay.
- DD6 – Addition of 12-inch minus to ditch for erosion control.
- DD7 – Removal of snow and taken to snow storage site. Staging and stock piling of 12-inch minus for future projects.
- Removal of snow from various inlet outlet structures and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff submitted the revised 2021 Stormwater System Inspection Report on October 13, 2022. The report was approved on October 17, 2022.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in January 2023:

- Received and currently reviewing DEQ's QAPP, HASP, PDIWP, and Crosswalk related to their pre-design investigation work at Blacktail Creek Riparian Actions Area.
- Received and reviewed BPSOU Site-Wide Groundwater Second Semester 2022 Report.
- Received and reviewed Silver Bow Creek/Butte Area NPL Site BPSOU Final 2020 Site-Wide Surface Water Monitoring Data Summary Report.
- Received and reviewed BPSOU Site-Wide surface water 4th quarter 2022 report.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– December 2022 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Weekly meeting between GIS and Dept. of Reclamation/Peltomaa and Crain.
- Training Julia Crain on ArcPro.
- BRES 2022 map book (23 hours).
- Introductions of PW GIS Specialist to Dept. of Reclamation.
- Search of unix drive for historic shapefiles for stormwater for Billie Marinovich/Pioneer.

- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In January, 245 users visited BPSOU.com for a total of 253 sessions averaging 48 minutes. Of the 245 users, 85.3% were direct visitors and 13.8% arrived at the site organically.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

March 10, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

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1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: February 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for February 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Josh Bryson, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – February 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during February 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In February, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 60 – Removal of snow from drop inlet and taken to snow storage site.
- BRES Site 60E – Removal of snow from drop inlet and taken to snow storage site.
- BRES Site 5 – Removal of snow from swale and taken to snow storage site.
- BRES Site 2330 – Removal of snow from ditch and taken to snow storage site.
- Removal of snow from walkways, MWR, the Ryan Road staging area, and the Granite Mountain Memorial and taken to the snow storage site.

BRES Program. CFWEF concluded their field evaluations in July. BSB Staff is in the process of performing QA/QC and drafting the BRES 2022 Field Evaluations Summary Report. BSB Staff submitted the Revised 2021 BRES CAPs report on November 2, 2022, and await agency response. BSB staff also submitted the Revised 2021 BRES Summary Report on November 18, 2022, and the 2021 Annual Operation and Maintenance Report on November 18, 2022, and await agency response.

Vegetation and Weed Controls. In February 2023, no weed control was performed on BRES sites.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 58 Excavation and Dirt-Moving Permits during the month of February; 8 within the BPSOU:

- 1032 Lewisohn St. – footings for retaining wall
- 315 S. Dakota – fix sewer service and replace water service
- 1120 W. Gold – emergency sewer service repair
- 700 Railroad Ave. – bore holes for design of reinforced concrete foundation
- 84 S. Ohio – water and sewer service
- 1201 N. Excelsior – gas service replacement
- 1300 Block of Farrell and 1st St. – gas main and services replacement
- 421 W. Iron St. – gas service replacement

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During February 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD3 – Removal of snow from ditch and taken to snow storage site.
- Removal of snow from various inlet outlet structures and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff submitted the revised 2021 Stormwater System Inspection Report on October 13, 2022. The report was approved on October 17, 2022.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in February 2023:

- Received and currently reviewing DEQ's QAPP, HASP, PDIWP, and Crosswalk related to their pre-design investigation work at Blacktail Creek Riparian Actions Area.
- Received and currently reviewing Clark Tailings Consolidated Waste Management Area Site Investigation QAPP.
- Received and reviewed Montana Bureau of Mines and Geology's Private Well QAPP.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– January 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Weekly meeting between GIS and Dept. of Reclamation/Peltomaa and Crain.
- ProWest kickoff and Enterprise system planning.
- BRES Map revisions and export of BRES 2022 maps for review (10 hours).
- Exported weekly activity from BRES O&M database to develop weekly reports.

- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

Statistics for BPSOU.com were unavailable for February and will be reported in March's monthly report.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

April 10, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
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US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: March 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for March 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – March 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during March 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In March, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 29 – Removal of snow from swale and taken to snow storage site.
- BRES Site 81 – Removal of snow from ditch and taken to snow storage site.
- BRES Site 42 – Removal of snow from ditch and taken to snow storage site.
- BRES Site 60E – Removal of snow from sediment trap and catch basin and taken to snow storage site.
- BRES Site 2330 – Removal of snow from ditch and taken to snow storage site.
- BRES Site 70 – Removal of snow from sediment trap and ditch and taken to snow storage site.
- Removal of snow from walkways, MWR, the Ryan Road staging area, and the Granite Mountain Memorial and taken to the snow storage site.

BRES Program. BSB Staff submitted the Draft BRES 2022 Field Evaluations Summary Report on March 24th, 2023.

Vegetation and Weed Controls. In March 2023, no weed control was performed on BRES sites.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 31 Excavation and Dirt-Moving Permits during the month of March; 17 within the BPSOU:

- Clark St. – construction of two-family residence
- 1010 Lewisohn St. – new columns construction and structural footing, new beams
- 1123 W. Steele St. – demolition of garage
- 100 Block E. Daly, 100 Block Cora Terrace – NorthWestern Energy gas main and service replacement
- 100 Block Capital Hill St. - NorthWestern Energy gas main and service replacement
- 215 Williams St. - NorthWestern Energy gas main and service replacement
- 407 W. Quartz St. – water service replacement

- 2900 S. Montana St. – water service leak repair
- 832 Emma St. – NorthWestern Energy gas service replacement
- 401 W. Granite – water service replacement
- 616 N. Alaska - NorthWestern Energy gas service replacement
- 243 E. Broadway - NorthWestern Energy gas service replacement
- 20 W. Center St. - NorthWestern Energy gas service replacement
- 129 W. Pacific St. - NorthWestern Energy gas service replacement
- 953 N. Main St. - NorthWestern Energy gas service replacement
- 805 N. Montana St. - NorthWestern Energy gas service replacement
- 1200 Block Farrell/1st St. - NorthWestern Energy gas main and service replacement

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During March 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD7 – Staging and stock piling of 12-inch minus for future project.
- Removal of snow from various inlet outlet structures and taken to snow storage site.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff submitted the revised 2021 Stormwater System Inspection Report on October 13, 2022. The report was approved on October 17, 2022.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in March 2023:

- Received and currently reviewing DEQ's QAPP, HASP, PDIWP, and Crosswalk related to their pre-design investigation work at Blacktail Creek Riparian Actions area.
- Received and currently reviewing Final Butte Reduction Works (BRW) Smelter Area Mine Waste Remediation and Contaminated Groundwater Hydraulic Control Site Organic Pollutant Surface Water Quality Assurance Project Plan (QAPP).

- Received and reviewed Butte Priority Soils Operable Unit (BPSOU) *Revised Draft* Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Fourth Quarter 2021.
- Received and reviewed Montana Bureau of Mines and Geology’s Butte Mine Flooding– February 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Weekly meeting between GIS and Dept. of Reclamation/Peltomaa and Crain.
- BRES Map revisions and export of BRES 2022 maps for review.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In March, 193 users visited BPSOU.com for a total of 220 sessions averaging 1 hour and 17 minutes. Of the 193 users, 70% were direct visitors and 28.6% arrived at the site organically.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

May 10, 2023

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EPA Region 8, Montana Office
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Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: April 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for April 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – April 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during April 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In April, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- Staging and stock piling of 12-inch minus for future projects.

BRES Program. BSB Staff submitted the Draft BRES 2022 Field Evaluations Summary Report on March 24th, 2023.

Vegetation and Weed Controls. In April 2023, no weed control was performed on BRES sites.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 24 Excavation and Dirt-Moving Permits during the month of April; 7 within the BPSOU:

- 2324 S. Dakota – excavation for new home
- 916 S. Colorado – excavation for new build
- 109 Belle – install foundation to replace back wall
- 608 S. Colorado – install fiber optics
- 544 W. Broadway – install fiber optics
- 305 W. Porphyry St. – install fiber optics
- 320 W. Broadway St. – backfill vaulted sidewalks

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During April 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD7 – Staging and stock piling of 12-inch minus for future projects. Staging and screening of 12-inch minus for future projects. Addition of 12-inch minus to ditch for erosion control.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff submitted the revised 2021 Stormwater System Inspection Report on October 13, 2022. The report was approved on October 17, 2022.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in April 2023:

- Received and currently reviewing Montana Bureau of Mines and Geology Butte Alluvial and Bedrock Controlled Groundwater Area Monitoring 2022 Data Summary Report.
- Received and reviewed Butte Silver Bow Closed Landfill-Clark Tailings Semi-Annual Groundwater Monitoring Report.
- Received and reviewed the approved Final Butte Reduction Works (BRW) Smelter Area Mine Waste Remediation and Contaminated Groundwater Hydraulic Control Site Organic Pollutant Surface Water Sampling Quality Assurance Project Plan (QAPP).
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– March 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Weekly meeting between GIS and Dept. of Reclamation/Peltomaa and Crain.
- Generated maps of Mine Claims owned by BSB, AR, MR, and Montana Tech.
- Meeting with Chad Anderson to review RMAP parcel maps process for past sampled properties and those we receive currently.
- Meeting between GIS and Julia Crain for map products including 2023 BRES field season maps.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In April, 174 users visited BPSOU.com for a total of 203 sessions averaging 1 hour and 29 minutes. Of the 174 users, 61% were direct visitors and 37.9% arrived at the site organically.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

June 9, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
CERCLA Enforcement Section
Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: May 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for May 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – May 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during May 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In May, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 70 – Repair of hole that was dug on site. EPA approved fill and cover soil added to the disturbed area. Area seeded with EPA approved seed mix. Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 41 – Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 60D - Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 60 - Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 4 – Site edges re-sloped to decrease erosion with the addition of EPA approved cover soil. Broadcast seeding of re-sloped site edges with EPA approved seed mix.
- BRES Site 60B – Raking and removal of plant litter from site and disposed of at the landfill. Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 60F - Raking and removal of plant litter from site and disposed of at the landfill. Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 49 - Raking and removal of plant litter from site and disposed of at the landfill. Broadcast seeding to sparsely vegetated areas on site.
- BRES Site 60C - Broadcast seeding to sparsely vegetated areas on site.
- Sediment removed from snow storage sites and disposed of at the MWR.

BRES Program. BSB Staff submitted the Draft BRES 2022 Field Evaluations Summary Report on March 24th, 2023, and await agency comments.

Vegetation and Weed Controls. In May 2023, no weed control was performed on BRES sites.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 41 Excavation and Dirt-Moving Permits during the month of May; 14 within the BPSOU:

- 430 W. Silver – water and sewer services
- 798 Centennial Ave – sewer service
- 2324 S. Dakota – water service
- 1300 W. Park – install grease interceptor
- 1304 Harrison Ave – repair and replace coax
- 810 E. Iron St. – repair and replace coax
- 901 S. Colorado – demolition of burned house
- 253 W. Iron – Iron Street housing project
- 15 Bennett St. – replace retaining wall
- 1110 S. Ophir St. – new home construction
- 423 N. Jackson – sonotubes to support new cedar deck
- 122 W. Daly – sewer trench to house
- 32 E. Galena – replace sidewalk
- 169 S. Warren – install sidewalk curb and gutter

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During May 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD7 – Staging and stock piling of 12-inch minus on site for future projects. Staging and screening of 12-inch minus for future projects. Addition of 12-inch minus to ditch for erosion control.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in May 2023:

- Received and reviewed Request for Change (RFC) BRW-2023-02 to the Butte Reduction Works (BRW) Smelter Area Mine Waste Remediation and Contaminated Groundwater Hydraulic Control Site Quality Assurance Project Plan (QAPP) for Microbial Analysis and Biotreatability Study (BRW Biotreatability Study QAPP).
- Received and reviewed Request for Change (RFC) BG-2023-01 to the BPSOU Hydrocarbon Sampling and Treatability QAPP.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding—April 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- New hire of Matthew Hrubesky, Reclamation GIS Specialist. New hire orientation meet & greets, and initial data and program familiarization and training.
- RMAP Mapping for yard soil sampling.
- Meeting with Chad Anderson and David Dobrinen regarding BSB GIS and RMAP Database integration.
- Meetings with ProWest regarding Enterprise integration.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In May, 213 users visited BPSOU.com for a total of 234 sessions averaging 1 hour and 1 minute. Of the 213 users, 81.6% were direct visitors and 15.8% arrived at the site organically.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

July 7, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
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RE: June 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for June 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – June 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during June 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In June, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 70 – Removal of sediment from sediment trap and taken to the MWR.
- BRES Site 81 – Removal of waste from ditch and disposed of at the MWR. Addition of 6-inch minus to ditch for erosion control. Area of site mowed for weed control and prevention.
- BRES Site 76 – Removal of sediment from drop inlet and disposed of at the MWR.
- BRES Site 53 – Removal of sediment from the drop inlet and disposed of at the MWR.
- BRES Site 46 – Removal of sediment from the drop inlet and disposed of at the MWR.
- BRES Site 66 – Removal of exposed waste and disposed of at the MWR. Limerock, EPA approved fill and cover soil added to area. Berm installed to direct stormwater away from repaired area.
- BRES Site 46E – Removal of dead trees from tree pod and disposed of at the landfill. Removal of matrimony vine and disposed of at the landfill. Removal of sediment from sediment trap and disposed of at the MWR. Addition of 12-inch minus to sediment trap for erosion control. Removal of area of exposed waste and taken to the MWR. Addition of limerock, EPA approved fill and cover soil to area where waste was removed.
- BRES Site 59 – Site mowed for weed control and prevention.
- Sediment removed from snow storage sites and disposed of at the MWR.

BRES Program. BSB Staff submitted the Draft BRES 2022 Field Evaluations Summary Report on March 24th, 2023, and await agency comments.

Vegetation and Weed Controls. In June 2023, weed control was performed on BRES Site 71.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 54 Excavation and Dirt-Moving Permits during the month of June; 14 within the BPSOU:

- 125 W. Copper St. – new two car garage
- 244 Anaconda Road – trench for new water line
- 600 S. Main – NorthWestern Energy gas service
- Hansen Road – replace underground cable
- 613 W. Granite – replace water service
- 311 W. Daly St. – burb to house trench
- 1000 S. Arizona Ave – new playground equipment
- 102 S. Washington – replace broken water valve
- 1300 W. Park St. – new cold storage building
- 1030 W. Porphyry – emergency water service
- 400 Block to 800 Block N. Excelsior – sidewalks
- 1901 S. Franklin St. – excavation for fuel tank
- 659 S. Main St. – water service
- 504 W. Park St. – water service replacement

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During June 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Removal of sediment from the forebay, catch basin, and vault and taken to the MWR.
- DD1 – Removal of sediment from ditch and disposed of at the MWR.
- DD3 - Removal of sediment from ditch and disposed of at the MWR.
- DD4 - Removal of sediment from ditch and disposed of at the MWR.
- DD7 – Addition of 6-inch minus to ditch for erosion control.
- DD8 – Removal of sediment from the ditch and disposed of at the MWR.
- DD9 – Removal of sediment from the ditch and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the

City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in June 2023:

- Received and reviewed the Butte Reduction Works (BRW) Phase III Quality Assurance Project Plan (QAPP) Request for Change (RFC) BRW-2023-01.
- Received and reviewed Butte Alluvial and Bedrock Controlled Groundwater Well Owner Letters.
- Received and reviewed Draft Final Quarterly Operations and Maintenance (O&M) Report for the Butte Treatment Lagoon (BTL) System – First Quarter 2023.
- Received and reviewed Montana Bureau of Mines and Geology Draft Butte Mine Flooding Consent Decree 2022 Data Summary Report.
- Received and reviewed Montana Bureau of Mines and Geology’s Butte Mine Flooding– May 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Digitized 211 properties as requested in support of RMAP’s field crews.
- BSB/PWA conference call about:
 - Upgrading Enterprise from 11.0 to 11.1.
 - Best practice recommendations for public facing data.
- Began reviewing data for migration to Enterprise SQL Database:
 - Meeting with Julia Crain, Abby Peltomaa, Dan Janosko, and Matt Hrubesky.
 - Began listing attribute fields and their meaning as necessary.
 - Began developing SQL Database schema.
 - Began consolidating feature layers/ shapefiles as necessary.
- Basin Creek water treatment plant tour with Jim Keenan:
 - Learned about the importance of the potable water system as a result of historic mining.
 - Learned about current issues facing the watershed and what that means for Butte-Silver Bow.
- Began developing BRES quadrant 4 map series template, in review process.
- Created a map of BRES sites within the extent of South Montana Street and Kaw Avenue in the vicinity of Blacktail Creek created and delivered to the Operations Manager, Brandon Warner.
- Went to the field with RMAP’s field crews to better understand the GIS needs of the field crews. Fieldwork included sampling and the use of ArcGIS Online to place sampling points for later examination and analyzation.
- Continued GIS education to improve GIS technical skills for proficiency and efficiency within the industry.

II. Community Involvement

Statistics for BPSOU.com were unavailable for June and will be reported in July’s monthly report.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

August 10, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
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P.O. Box 200901
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1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: July 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for July 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – July 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during July 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In July, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 78 – Six inch minus added to parking lot to repair stormwater washout.
- BRES 46E – Installation of earthen berm to protect reclaimed site from run-off from unreclaimed site using EPA approved fill. EPA approved soil added to barren area on site. Addition of road mix to access road for erosion control.
- BRES Site 59 – Weeds on site mowed to prevent proliferation to the rest of the site.
- BRES Site 5 – Staging and stock piling of 6-inch minus on site for future projects.
- BRES Site 72 – Addition of EPA approved fill to subsidence issues identified outside of the reclaimed area. EPA approved fill and soil imported to repair rills and gullies in an unreclaimed area that is depositing sediment onto a reclaimed area of the site.

BRES Program. BSB Staff submitted the Draft 2022 BRES Corrective Action Plans on July 19th, 2023. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In July 2023, weed control was performed on BRES Sites 70, 71, and 71N.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 68 Excavation and Dirt-Moving Permits during the month of July; 43 within the BPSOU:

- 100 Block of Academy St. – NorthWestern Energy gas main and services
- 1600 Block of Dunn - NorthWestern Energy gas main and services
- George Street – Montana Street – utility repairs and maintenance
- 1401 Iowa Ave. - utility repairs and maintenance
- 1400 Missouri Ave. - utility repairs and maintenance
- 1402 Iowa Ave. - utility repairs and maintenance

- 1416 Missouri Ave. - utility repairs and maintenance
- 700 Railroad Ave. - utility repairs and maintenance
- North of George St. - utility repairs and maintenance
- North of Casey St. and East of Iowa St. - utility repairs and maintenance
- 1347 Missouri Ave. - utility repairs and maintenance
- 1343 Iowa Ave. - utility repairs and maintenance
- 1427 Iowa Ave. - utility repairs and maintenance
- 600 S. Main St. – install fiber optic
- 129 Ruby St. – pre-fabrication greenhouse
- 1140 Lewisohn St. – driveway
- 10 O’Neill St. – service line
- North St. and 4th St. - utility repairs and maintenance
- 65 E. Broadway St. – install pole
- 1212 E. Second St. – replace water service
- 1160 W. Platinum St. – replace sewer service
- I-90 – install high tension cable along median of I-90
- 705 E. Iron St. – fix broken water valve
- 65 E. Broadway St. – place new vault
- Arizona and Broadway – excavation of parking lot
- 39 E. Galena St. – sewer, water, and fire line
- 1143 W. Diamond St. – replace driveway
- 1414 Missouri St. – excavation for waterline
- 700 W. Gold St. – install fiber optic
- 703 N. Montana – sidewalk

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During July 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB6 – Removal of sediment from catch basin and disposed of at the MWR.
- DD1 – Staging and stock piling of 6-inch minus on site for future projects. Addition of 6-inch minus to ditch for erosion control.
- DD8 – Removal of sediment from the ditch and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction

site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in July 2023:

- Received and reviewed The Butte Priority Soils Operable Unit (BPSOU) Draft Final 2022 BPSOU Subdrain Data Summary Report (DSR).
- Received and reviewed Request for Change (RFC) BRW-2023-02 to the Butte Reduction Works (BRW) Smelter Area Mine Waste Remediation and Contaminated Groundwater Hydraulic Control Site Quality Assurance Project Plan (QAPP) for Microbial Analysis and Biotreatability Study (BRW Biotreatability Study QAPP).
- Received and currently reviewing Final Clark Tailings Consolidated Waste Management Area (CTCWMA) Site Investigation QAPP.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– June 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Digitized 27 properties as requested in support of RMAP's field crews.
- Began the organization of all hand drawn map files and properties without a soil sampling map.
 - 89 of the 224 properties mapped were scanned, georeferenced and digitized.
- RMAP meeting with Chad Anderson and Dan Janosko about:
 - Appending digitized data to the production layer.
 - The organization of RMAP files over the years.
 - Issues Chad and his field crew are currently having.
- Began Enterprise training, focusing on Experience Builder and preparing for the merge from ArcGIS Online to Enterprise at the end of the sampling season. Created test application and viewed Esri educational videos.
- Meeting with Kathryn Krueger (EPA), Julia Crain, Dan Janosko and Matt Hrubesky pertaining to:
 - What data Butte-Silver Bow has and how it is being stored.
 - Issues that the GIS and Reclamation department are running into.
 - How Butte-Silver Bow is dispersing information with the public and private sector.
 - How the RMAP efforts are being tracked.
- Enterprise 11.1 update deemed to be unsuccessful due to ESRI Web Adapter Bugs (BUG-000158629 and BUG-000159944). The Enterprise upgrade to 11.1 is postponed for the time being. The BSB GIS team will meet at the end of the year with ESRI/ProWest staff to discuss the upgrade.
- Attended weekly GIS team meetings.

II. Community Involvement

The Repository Siting Study Committee is in the process of determining the public meeting schedule for submitting the RSS to EPA and DEQ.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

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Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

September 8, 2023

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EPA Region 8, Montana Office
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10 West 15th Street, Ste. 3200
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RE: August 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

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Monthly Report – August 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

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I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In August, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 105 – Excavation and flushing of sinkhole. Backfilling and compacting of subsidence using EPA approved fill.
- BRES Site 72 – Addition of EPA approved soil for erosion control. Importation and grading of topsoil to address gullies in unreclaimed area depositing sediment onto reclaimed site. Grading and preparing topsoil for EPA approved seed mix. Placement of boulders along site edge to prohibit vehicular activity on site.
- BRES Site 82 – Investigation of aspen grove roots to determine long-term effectiveness of aspen groves and potential water weaning strategy to maintain cap effectiveness in area of state project on BRES site.
- BRES Site 115 – Staging, screening, and stock piling of 12-inch minus for future projects on site. Removal of soil and sediment to properly slope wall for rock armoring. Importation and grading of EPA approved fill material to properly slope and fill barren areas. Excavation of soil to construct new settling basin and rock-lined ditch to address rills and gullies from uncaptured stormwater flow identified during evaluation. Rock armoring of ditch and settling basin.

BRES Program. BSB Staff submitted the Draft 2022 BRES Corrective Action Plans on July 19th, 2023. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In August 2023, weed control was performed on BRES Sites 2, 11, 155, and 177N.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 33 Excavation and Dirt-Moving Permits during the month of August; 10 within the BPSOU:

- 200 N. Main – new Clearwater Credit Union building

- 818 Mountain St. – new garage
- 436 S. Main – replace sidewalk
- 1034 Antimony St. – vaulted sidewalk
- 1401 5th St. – utility repairs and maintenance
- 915 W. Gold St. – attached garage
- 417 N. Excelsior Ave. – replace porch
- 105 Greenwood Ave. – Lexington Wetlands project
- 9 W. Granite – replace water service
- 815 Missoula Ave. - driveway

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During August 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Removal of sediment from forebay, catch basin, and vault and disposed of at the MWR.
- DD16 – Removal of sediment from the ditch and disposed of at the MWR.
- Removals of sediment from several ditches and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in August 2023:

- Received Council of Commissioners authorization for the Chief Executive to extend the term of the July 1, 2022, through June 30, 2023, Sponsored Research Agreement with Montana Technological University to conduct domestic well sampling with work to be performed by the Montana Bureau of Mines and Geology (MBMG) through June 30, 2024.
- Received Council of Commissioners authorization for the Chief Executive to enter into a Sponsored Research Agreement with Montana Technological University to conduct domestic

well sampling with work to be performed by the Montana Bureau of Mines and Geology (MBMG) for the Period of July 1, 2023, through June 30, 2024.

- Received and reviewed Butte Priority Soils Operable Unit (BPSOU) 2022 Stormwater BMPs Repair, Inspection Report, and Maintenance Work Plan for BNSF Railway.
- Received and reviewed the Butte Priority Soils Operable Unit (BPSOU) Buffalo Gulch Forebay Parcel 2023 Expedited Well Abandonment Plan.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– July 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Digitized 16 properties as requested in support of RMAP's field crews.
- Continued the organization of all hand drawn map files and properties without a soil sampling map.
 - 130 of the 353 properties mapped were scanned, georeferenced and digitized.
- RMAP workflow meeting with Julia Crain, Abby Peltomaa, Chad Anderson, and David Dobrinen to discuss:
 - Current workflow issues and ways to rectify the situation.
 - Mapmaking processes in preparation for upcoming projects.
- Meeting with Abby Peltomaa to train using the RMAP database and uploading GeoTIFF files to the database and pulling data from the system.
- Continued GIS education throughout the month to improve technical skills within the office.
- Continuation of the relocation of data to the Enterprise system.
- Attended weekly GIS team meetings.

II. Community Involvement

In August, 331 users visited BPSOU.com for a total of 406 sessions. This brings the total number of users to 1,681 for a total of 2,026 sessions for the year through August 31st. In addition to updates to the BPSOU website, BSB staff has engaged in communications development in collaboration with EPA, DEQ, and AR resulting in the monthly BPSOU newsletter, the onsite materials public meeting, and social media publications for RMAP remedial action.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

October 10, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
CERCLA Enforcement Section
Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: September 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for September 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – September 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during September 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In September, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 116 – Excavation of exposed waste identified during site evaluation and disposed of at the MWR. Installation of lime rock following excavation of exposed waste. Installation of rock cap following waste removal and addition of lime rock.
- BRES Site 79 – Removal of exposed waste identified during site evaluation and disposed of at the MWR. Installation of lime rock barrier following excavation of waste. Installation of EPA approved fill material over lime rock barrier. Addition of EPA approved soil following waste excavation, lime rock barrier, and addition of EPA approved fill material. Removal of sediment from sediment trap and disposed of at the MWR.
- BRES Site 71 – Removal of sediment from ditch and disposed of at the MWR. Addition of 6-inch minus to ditch for erosion control.
- BRES 115 – Rock armoring newly constructed ditch to direct proper stormwater flow from newly installed settling basin. Addition of 6-inch minus to ditch for erosion control.
- BRES Site 83 – Staging and stock piling of 6-inch minus for future projects on site.
- BRES Site 83F – Removal of exposed waste identified during site evaluation and disposed of at the MWR. Excavation of concrete pad encountered while removing exposed waste and disposed of at the landfill. Installation of lime rock barrier following excavation of exposed waste.
- BRES Site 2330 – Removal of sediment from ditch and disposed of at the MWR.

BRES Program. BSB Staff submitted the Draft 2022 BRES Corrective Action Plans on July 19th, 2023, and received agency comments back on September 6th, 2023. BSB is working on revisions and will send upon completion. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In September 2023, weed control was performed on BRES Sites 66, 72S, 76, 78, 110E, 110N, 110S, 2330, 2340, 2350, 2360, 2370, 2380, and 2390.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 59 Excavation and Dirt-Moving Permits during the month of September; 17 within the BPSOU:

- 310 N. Washington – replace sidewalk
- 207 S. Montana St. – sidewalk panel replacement
- 415 S. Montana St. – driveway
- 25 W. Granite St. – vaulted sidewalk
- 1416 Missouri Ave – utility repairs and maintenance
- N. Excelsior – NorthWestern Energy pole replacement
- 10 S. Wyoming – NorthWestern Energy gas retirement
- 514 S. Jackson St. – replace sidewalk
- 476 S. Jackson St. – install new water and sewer services
- Northeast corner of Diamond and Girard – landscaping
- 140 W. Park St. – install water and fire line
- Porphyry St. – install new water and sewer services
- 915 S. Colorado St. – replace sewer service
- 55 E. Galena St. – sidewalk and concrete pad replacement
- 618 W. Platinum St. – replace sidewalk
- 420 W. Quartz St. – emergency sewer service
- 505 Centennial Ave. – fire line

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During August 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- HD1 - Removal of sediment from HDD and disposed of at the MWR.
- HD2 – Removal of sediment from HDD and disposed of at the MWR.
- HD5 - Removal of sediment from HDD and disposed of at the MWR.
- HD4 - Removal of sediment from HDD and disposed of at the MWR.
- Removals of sediment from several ditches and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction

site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in September 2023:

- Received and reviewed the approved Butte Reduction Works (BRW) Phase III Quality Assurance Project Plan (QAPP) Request for Change (RFC) BRW-2023-03.
- Received and reviewed the Pre-Design Investigation Evaluation Report (PDI ER) for the Blacktail Creek Groundwater Hydraulic Control System.
- Received and reviewed the Grove Gulch 95% Remedial Design resubmittal.
- Received and reviewed Response to Agency Comments on the Draft Butte Priority Soils Operable Unit (BPSOU) 2022 Groundwater Monitoring Data Summary Report.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding– August 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- Digitized and continued maintenance of properties as requests came in support of RMAP's field crews. Thirty-three new property requests for the month of September were digitized for field crews.
- Continued digitizing sample points, components and georeferencing historic data. The list now sits at 591 total properties.
- RMAP Remedial Map Model builder meeting with Dan Janosko, David Dobrinen and Matt Hrubesky about:
 - Working components of the Model Builder.
 - Troubleshooting common issues within the code.
- Meeting with Chad Anderson pertaining to:
 - Field issues and paths to rectify mistakes.
 - Conversated about the possibility of streaming the 2016 Mosaic Butte image to lessen confusion between the GIS office and Field Technicians.
- Pro West meeting regarding:
 - Moving Butte-Silver bow to parcel fabric.
 - Discussion of the MILA grant project.
- Meeting with Eric Hassler, Julia Crain, Dan Janosko, Brandon Warner, Abigail Peltomaa and Matt Hrubesky about:
 - Issues regarding the 2022 BRES maps and paths to rectify the situation.
 - Brief Review of BRES 2023 maps involving issues with the current revisions.
 - Revised BRES 2022 Map book and sent back to Reclamation for review and resubmittal to EPA.
- Montana Local Government GIS meeting pertaining to:
 - How one would go about resolving conflicting opinions on natural and unnatural streams where a resident would like to build within proximity to the stream.
- Attended relevant sessions of the Montana Planners Association conference.
 - Montana's State Geologic and Water Resources – Providing Tools for County Planning
 - Plan for Health

- What are the social determinants of health
- Skills for healthy community development
- Building a Community Planning Platform to Serve all Montana
- Explore the Past: How Sanborn Fire Insurance Maps are used to interpret the evolution of our built environment.
- Normal appending schedule moving data to the production layer. Maintenance to the production layer as needed.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Researched attribute rules to improve efficiency and accuracy of attribution for BRES and RMAPS workflow.
 - Researched Multipatch and 3D scene mapping for future dataset portal
- Continuation of the relocation of data to the Enterprise system.
- Attended weekly GIS team meetings.
- Received data of historic mine shafts from Bureau of Mines and Geology and started to review data and develop applications.
- Meeting with Julia Crain and Dan Janosko to discuss department GIS needs for coming year.

II. Community Involvement

In September, 293 users visited BPSOU.com for a total of 179 sessions. In addition to updates to the BPSOU website, BSB staff has engaged in communications development in collaboration with EPA, DEQ, and AR resulting in the monthly BPSOU newsletter, the onsite materials public meeting, and social media publications for RMAP remedial action.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

November 9, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
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Senior Assistant Regional Counsel
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Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
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Helena, MT 59620-0901

RE: October 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for October 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
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Monthly Report – October 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during October 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In October, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 83F – Repair of parking area along site edge using asphalt millings.
- BRES Site 83C – Removal of exposed waste identified during site evaluation and disposed of at the MWR. Installation of berm to prevent run off onto neighboring site from exposed waste in an inaccessible area.
- BRES Site 83D - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 83 – Addition of 6-inch minus to swale for erosion control. Addition of 6-inch minus to sediment trap for erosion control. Addition of 6-inch minus to ditch for erosion control.
- BRES Site 83B – Installation of a berm to protect neighboring site from exposed waste run off in an inaccessible area.
- BRES Site 83A – Removal of exposed waste identified during site evaluation and disposed of at the MWR. Installation of lime rock barrier following excavation of exposed waste. Importation of EPA approved fill material and topsoil following excavation of waste and lime rock layer.
- BRES Site 72S - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 76 - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 79 - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 84 - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 114 – Broadcast seeding of site with approved EPA seed mix.
- BRES Site 110E - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 110S - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 110N- Broadcast seeding of site with approved EPA seed mix.
- BRES Site 115 - Broadcast seeding of site with approved EPA seed mix.
- BRES Site 175 – Placement of boulders along site edge to prohibit vehicular traffic onto site.
- BRES Site 2330 – Rock armoring of slope around walking trail following realignment of trail.
- Snow plowing and shoveling of various sidewalks and public thoroughfares.

BRES Program. BSB Staff submitted the Revised Draft 2022 BRES Corrective Action Plans on October 26th, 2023. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In October 2023, no weed control was performed on BRES.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the

Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 35 Excavation and Dirt-Moving Permits during the month of October; 10 within the BPSOU:

- 65 E. Park – install foundation, utility installation
- 15 W. Park – install fire and water line
- 1000 W. Steele – sewer line
- 616 N. Alaska St. – repairing foundation
- 705 E. Iron St. – install fire line
- 2900 S. Montana – emergency utilities repair
- 111 W. Copper St. – sidewalk
- 826 W. Granite St. – emergency water service
- 2762 S. Montana St. – footing and foundation

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During October 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB9 – Removal of sediment from ditch and disposed of at the MWR.
- DD1 – Removal of sediment from ditch and disposed of at the MWR.
- DD16 - Removal of sediment from ditch and disposed of at the MWR.
- HD3 - Removal of sediment from HDD and disposed of at the MWR.
- Removals of sediment from several ditches and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.

- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in October 2023:

- Received and reviewed the Draft Final Quarterly Operations and Maintenance (O&M) Report for the Butte Treatment Lagoon (BTL) System – Second Quarter 2023.
- Received and reviewed the Requests for Change (RFCs) to the Final Butte Priority Soils Operable Unit (BPSOU) Buffalo Gulch and Grove Gulch Soils Characterization Sampling and Analysis Plan (SAP).
- Received and reviewed the Approved Final Buffalo Gulch Forebay Parcel 2023 Expedited Well Abandonment Plan.
- Received and reviewed the Approved Final BPSOU Copper Mountain QAPP.
- Received and reviewed the BPSOU Silver Bow Creek/Butte Area NPL Site Final 2022 Site-Wide Surface Water Data Summary Report.
- Received and reviewed Montana Bureau of Mines and Geology’s Butte Mine Flooding– September 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- RMAPs Program
 - Digitized and updated 18 new properties for field sample crews.
 - Digitized and georeferenced historic data.
 - Currently have completed 717 properties.
 - Cross trained with field sample crews to enable better communication of GIS needs with field staff.
- BRES Program
 - Generated and revised 2023 Quad for BRES Map book.
 - Met with BRES staff to go over Map book.
- Attend monthly Montana Association of Geographic Information Professionals (MAGIP) local government meeting.
- Attended weekly GIS team meetings.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Attended parcel fabric data management seminar.
- Meeting with Abigail Peltomaa, Brandon Warner, Matt Hrubesky, and Dan Janosko to discuss departmental needs and set new points of contact with Julia Crain’s departure.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In October, 288 users visited BPSOU.com for a total of 326 sessions. In addition to updates to the BPSOU website, BSB staff attended the Centerville Neighborhood meeting on October 17th, 2023.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

December 8, 2023

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
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Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
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Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

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Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

Abby Peltomaa

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CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – November 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during November 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In November, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site CB8 - Erosion control and sediment removal were identified during site evaluations.
- BRES Site CB9 - Erosion control and sediment removal were identified during site evaluations.

BRES Program. BSB Staff submitted the Revised Draft 2022 BRES Corrective Action Plans on October 26th, 2023. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In November 2023, no weed control was performed on BRES.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 19 Excavation and Dirt-Moving Permits during the month of November; 8 within the BPSOU:

- 803 N. Main – landscaping, utility repairs and maintenance
- 1107 S. Arizona Ave. – car port-structure
- 315 S. Jackson St. – retaining wall, utilities, foundation, and landscaping
- 1042 W. Granite St. – water service
- 624 W. Quartz St. – service line repair
- 125 N. Main St. – contracting fire line
- 1257 Farrell St. – water service
- 655 S. Main St. – demolition of dilapidated structure

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During November 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Removal of sediment from ditch and disposed of at the MWR. Addition of screened 12-inch minus to ditch for erosion control.
- CB9 – Removal of sediment from ditch and disposed of at the MWR. Addition of screened 12-inch minus to ditch for erosion control.
- Removals of sediment from several ditches and disposed of at the MWR.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in November 2023:

- Received and reviewed Butte Mine Flooding Operable Unit 2023 Third Quarter Report.
- Received and reviewed Silver Bow Creek/Butte Area NPL Site 2024 Draft Final Butte Priority Soils Operable Unit Interim Site-Wide Groundwater Monitoring Quality Assurance Project Plan (QAPP).
- Received and reviewed Silver Bow Creek/Butte Area NPL Site Draft Final Butte Priority Soils Operable Unit Interim Site-Wide Surface Water Monitoring Quality Assurance Project Plan (QAPP).
- Received and reviewed the 2024 Updated-Butte Mine Flooding-Butte Priority Soils, and MT Pole BABCGWA QAPP, Ver 3, and the 2023 Cross Walk.
- Received and reviewed Montana Bureau of Mines and Geology's Butte Mine Flooding–October 2023 Monthly Report.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Began the attribution, component split, and correction process of the Hand Drawn Data feature class.
 - Currently have completed 470 corrections and attributions.
 - Created ten field maps for data validation.

- Eight property requests were received, and all were digitized, attributed, and appended to the production layer.
- BRES Program
 - Continued the revision process for the 2023 BRES map book. All errors were rectified by November 15th.
- Attend monthly Montana Association of Geographic Information Professionals (MAGIP) local government meeting.
- Attended weekly GIS team meetings.
- Completed the scanning and organizational process of the Reclamation Department's historical map bin.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned about topology to aid in QA/QC of data.
 - Learned about Plats and parcel data.
- Meeting with Eric Hassler, Julia Crain, Dave Aguirre, and Matt Hrubesky regarding the transfer of parcel 0111971229804000.
 - ARCO property transfer project started. Began the process of creating a spectral based classification map.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In November, 467 users visited BPSOU.com. In addition to updates to the BPSOU website, BSB staff attended the BPSOU Open House on November 2nd, 2023, and the ATSDR Public Meeting on Arsenic Exposure on November 14th, 2023.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

January 10, 2024

Nikia Greene
EPA Region 8, Montana Office
Baucus Federal Building
10 West 15th Street, Ste. 3200
Helena, MT 59624

Daryl Reed, State Project Officer
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Erin Agee
Senior Assistant Regional Counsel
CERCLA Enforcement Section
Office of Regional Counsel
US EPA Region 8 Montana Office
1595 Wynkoop Street
Denver, CO 80202

Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: December 2023 Monthly Report of Activities
Butte Priority Soils Operable Unit
2020 Butte Priority Soils Operable Unit Consent Decree – Civ. Action No. 89-039-BU-SEH

Ladies and Gentlemen:

Pursuant to Appendix D to the BPSOU Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site. This monthly report covers work activities for December 2023.

Please contact me (497-5045) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities.

Sincerely,

A handwritten signature in blue ink, appearing to read "Abby Peltomaa".

Abby Peltomaa

Attachment: Monthly Report

CC: Mike Mc Anulty, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – December 2023

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

As required by Appendix D to the Consent Decree, BPSOU Statement of Work, Section 5.0 Reporting, the City and County of Butte-Silver Bow provides this monthly report on work activities. The work activities described in this report are consistent with the directives contained in the Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow during December 2023.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In December, Source Area maintenance crews continued performing maintenance activities across reclaimed areas of the Butte Hill. This past month, BSB Crews completed routine O&M tasks including trash pickup and disposal, fence repairs, and stormwater sediment basin, culvert, and inlet cleanout. Specific site work that was performed included:

- BRES Site 29 – Removal of sediment from 12-inch minus. Sediment disposed of at the MWR. Screened 12-inch minus added back to ditch for erosion control.
- BRES Site 115 – Addition of EPA approved soil to address barren areas identified during site evaluations. Removal of waste adjacent to the site and disposed of at the MWR. Placement and backfilling of lime rock, EPA approved soil and fill material following the removal of waste. Erosion control and sediment removal were identified during site evaluations.
- Staging and stock piling of road mix, 6-inch minus, and 12-inch minus for future projects.

BRES Program. BSB Staff submitted the 2023 BRES Summary Report on November 15, 2023. Additionally, the Revised Draft 2022 BRES Corrective Action Plans were submitted on October 26th, 2023. The BRES 2022 Field Evaluations Summary Report was submitted on March 24th, 2023, and BSB staff await agency comments.

Vegetation and Weed Controls. In December 2023, no weed control was performed on BRES.

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program through education and training in Best Management Practices for stormwater and sediment controls, excavations of hazardous waste, and providing access to the Mine Waste Repository. B-SB personnel work closely with local utility companies including NorthWestern Energy, Charter/Spectrum, Qwest, and others to coordinate Street Opening permits, Excavation & Dirt-Moving permits, and others.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including monitoring permitted projects issued in previous months. Coordination with contractors requires continued monitoring of access to the Mine Waste Repository. BSB personnel issued 14 Excavation and Dirt-Moving Permits during the month of December; four within the BPSOU:

- S. Jackson/Platinum Streets – footing, foundation, landscaping, sidewalk, driveway
- 331 E. Broadway St. – emergency water service
- 2500 block of Placer St. – water main extension
- 1218 W. Woolman St. – roof mounted solar array

Mine Waste Repository Maintenance. The Mine Waste Repository continued operation with all active dumping directed to the lower, eastern bench which continues to be monitored and maintained on a regular basis.

- The materials on the lower deck of the repository were pushed off.

B. Storm Water Operations and Maintenance Activities

During December 2023, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Addition of screened 12-inch minus to ditch for erosion control.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 Stormwater System Inspection Report.

Superfund Storm Water Structures Operations and Maintenance Plan: Butte-Silver Bow has received approval on this plan and will resubmit to reference the reclaimed areas QAPP.

MPDES Storm Water Permit Assistance & Monitoring – MS4: MPDES Storm Water Permit Assistance & Monitoring – MS4: Butte-Silver Bow and its consultants continue to implement requirements of its Municipal Separate Storm Sewer System (MS4) permit. The MS4 permit requires that BSB develop a Storm Water Management Program (SWMP) that addresses six control measures: public education, public involvement, illicit discharge detection and elimination (IDDE), construction site storm water control, post-construction site storm water control, and pollution prevention/good housekeeping. Activities completed under each control measure are detailed below:

- Monitoring, Recording and Reporting Requirements for the General Permit.
- Butte-Silver Bow Public Works and its consultants provide engineering support and assistance in reviewing storm water design plans for proposed developments in Butte, as required by the City-County Storm Water Ordinance. Assistance regarding storm water requirements was provided to potential developers as requested.

C. Water Quality District Activities

Water Quality District Completed the following tasks in December 2023:

- Received and reviewed Butte-Silver Bow Closed Landfill-Clark Tailings Sept 2023 Groundwater Report.
- Received and reviewed Butte Priority Soils Operable Unit (BPSOU) Draft Final Butte Treatment Lagoons (BTL) Groundwater Treatment System Routine Operations, Maintenance, and Monitoring (OM&M) Plan.
- Received and reviewed Berkeley Pit and Discharge Pilot Project Quarterly Pilot Project Report Third Quarter 2023.
- Received and reviewed analytical results for the Clark Tailings Domestic Well Sampling Program.
 - Sampling results letters are being drafted and will be sent to property owners.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Completed the attribution, component split, and correction process of the Hand Drawn Data feature class.
 - All 717 locations in the Hand Drawn dataset have been corrected and attributed.
 - Four field maps were created for data validation.
 - Seven property requests were received, and all were digitized, attributed, and appended to the production layer.
 - Scanned 87 Hand Drawn maps in preparation for digitization.

- BRES Program
 - Marisa Sowles, of Geum Consulting, was permitted access to BSB's BRES site data in ArcGIS Online.
- Berkeley Pit aerial map provided to Rampart Solutions.
- Attended weekly GIS team meetings.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned about COGO descriptions and how to map boundaries in ArcGIS Pro.
 - Enterprise/Experience Builder Training
 - Built Applications for Emergency Shelter.
- Continued progress on the Arco Property Transfer project.
 - Most of the classification corrections have now been completed, and the project is awaiting further instructions.
- Worked to test Enterprise Test Environment after upgrading system from 11.0 to 11.1.
- Exported weekly activity from BRES O&M database to develop weekly reports.
- Performed weekly QA/QC of BSB reclamation data and draft BSB weekly O&M reports for monthly distribution and incorporation into the monthly report.

II. Community Involvement

In December, 312 users visited BPSOU.com for a total of 387 sessions.

Butte-Silver Bow MS4 Sediment Removal Tracking 2023

Site	Amount Removed	Material Removed	Units	Repository of Removed Material
CB1	0		yd3	
CB2	0		yd3	
CB3	0		yd3	
CB4	0		yd3	
CB5	0		yd3	
CB6	22	Sediment	yd3	MWR
CB7	0		yd3	
CB8	282	Sediment	yd3	MWR
CB9	154	Sediment	yd3	MWR
CB10	0		yd3	
CB11	0		yd3	
DD1	58	Sediment	yd3	MWR
DD2	0		yd3	
DD3	3	Sediment	yd3	MWR
DD4	3	Sediment	yd3	MWR
DD5	0		yd3	
DD6	0		yd3	
DD7	0		yd3	
DD8	40	Sediment	yd3	MWR
DD9	8	Sediment	yd3	MWR
DD10	0		yd3	
DD11	0		yd3	
DD12	0		yd3	
DD13	0		yd3	
DD14	0		yd3	
DD15	0		yd3	
DD16	34	Sediment	yd3	MWR
DD17	0		yd3	
HD1	44	Sediment	yd3	MWR
HD2	42	Sediment	yd3	MWR
HD3	46	Sediment	yd3	MWR
HD4	54	Sediment	yd3	MWR
HD5	38	Sediment	yd3	MWR
BRES 46	0		yd3	
BRES 51	0		yd3	
BRES 120	0		yd3	
BRES 2310	0		yd3	
BRES 57	0		yd3	

2023 Sediment Removed	828	Cu yds
	911	Tons
BSB Street Sweeping	684	Cu yds
	752	Tons
Total Sediment Removed	1,512	Cu yds
	1,663	Tons

Assumes 1 Cu Yd of Sediment = 2,200 pounds

Baseline Sediment load to Silver Bow Creek -	746	Tons Per year TSS
Removal Requirement -	76%	
Removal Requirement -	567	Tons Per year TSS
TSS - WLA -	179	WLA Tons per year from the MS4 to SBC
Total Removed -	1,663	
Percent of WLA Removed -	293%	

Appendix L

Summary of SAP edits for DEQ Review



March 1, 2024

Appendix N Summary of SAP Updates – MS4 Annual Report

BSB is presenting a change in the SAP for the TMDL Strategy due to a decreased network of BPSOU remedy monitoring being performed within the MS4 which were sites historically used for the TMDL sampling requirements.

Updated text to Section 2.2 TMDL Strategy: “Multiple outfalls into SBC have been monitored for several years by AR until 2022 when a large percentage of the monitoring has been removed from AR’s scope now that the Consent Decree has been outlined. BSB has previously selected its monitoring locations for the Part III TMDL sampling at outfalls discharging into SBC at monitoring sites that AR conducted its sampling. With this change and the section of SBC above the confluence with Blacktail Creek as not currently listed, additional stormwater outfall locations that are both within the listed reach of SBC and the identified urban area are not available or safely accessible for grab sampling; i.e, Montana St outfalls are in heavy traffic areas or beneath a bridge that would require entering SBC during a period of elevated flows. Therefore, BSB is proposing to continue monitoring for both Part III TMDL-related monitoring Option 1 and Part IV self-monitoring Option 1 from the same set of existing self-monitoring locations previously identified in Section 3.3 of this SAP. “ Self-monitoring locations summarized below from SAP.

Table 3. Self-Monitoring Sample Locations

Name	Watershed	Receiving Waterbody	Location	Sample Collection Method	Frequency	Sample Parameter(s)
BT-O-11 001A	Blacktail Creek	Blacktail Creek	45° 59' 7.152" N 112° 30' 30.2652" W	Grab	Semi-annual ¹	<ul style="list-style-type: none">▪ Total Suspended Solids▪ Chemical Oxygen Demand▪ Total Phosphorus▪ Total Nitrogen▪ pH▪ Copper▪ Lead▪ Zinc▪ Estimated Flow▪ Oil and Grease
BG-O-1 001B	West Buffalo Gulch	Blacktail Creek/Silver Bow Creek	45° 59' 47.2992" N 112° 32' 12.858" W	Grab	Semi-annual ¹	
BT-O-05 002A	Blacktail Creek	Blacktail Creek	45° 59' 7.1268" N 112° 30' 26.2944" W	Grab	Semi-annual ¹	
BT-O-8 002B	Blacktail Creek	Blacktail Creek	45° 59' 22.182" N 112° 31' 1.3296" W	Grab	Semi-annual ¹	

¹ One sample must be collected between January 1st and June 30th of each permitted calendar year and the other sample must be collected between July 1 and December 31 of each calendar year.