



Butte – Silver Bow M S4 2024 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 2025

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**Montana Department of
Environmental Quality**
Water Protection Bureau
Montana Pollutant Discharge Elimination System

Agency Use

Permit No.: MTR04

Date Rec'd

Amount Rec'd

Check No.

Rec'd By

FORM
MS4-AR

Annual Report Form
Storm Water Discharges Associated with MS4s
MTR040000

This annual report form is to be completed by each permittee authorized under the General Permit for Storm Water Discharges Associated with Small Municipal Separate Storm Water Sewer Systems (MS4s). The completed form must be electronically submitted to DEQ by March 1st of each year starting March 1st, 2023.

Reporting Year: ☐ 2023 ☐ 2024 ☒ 2025 ☐ 2026 (reporting period is for the preceding calendar year, Jan 1st- Dec 31st)

MS4 InformationPermit Number M T R 0 4 0 0 0 6Small MS4 Name Butte-Silver Bow (BSB)Contact Person, (name, title) Mark Neary, BSB Public Works DirectorMailing Address 126 West GraniteCity, State, and Zip Code Butte, MT, 59701Phone Number, Email Address 406-497-6519, mneary@bsb.mt.govAuthorized as a Co-permittee? ☒ Yes: Montana Department of Transportation - Butte Division ☐ No

(If, yes provide Co-permittee MS4 name in the blank provided. Each co-permittee must submit a separate complete annual report form.)

Is the MS4 sharing responsibility? If yes, attach written acceptance and explanation of shared obligation(s). ☐ Yes ☒ No

Attach an organizational chart identifying the primary SWMP coordinator, positions responsible for implementing requirements of the permit, and contact information for each individual. ☒ Attached ☐ Not Attached **Appendix A**

Minimum Control Measure 1 & 2Link to storm water website <https://bsbstormwater.org/>

List of four key target audiences:

Mobile Cleaning/Carpet CleaningRestaurantsPost Construction Facility OwnersResidential BehaviorsGeneral HousekeepingStudents

Associated Pollutants:

Cleaning Products, Trash/Debris, NutrientsOil & Grease, Trash/Debris, Nutrients, Bacteria/PathogensNutrients, Trash/Debris, SedimentNutrients, Trash/Debris, Cleaning Products, Sediment,Nutrients, Trash/Debris, SedimentNutrients, Trash/Debris, Sediment

Outreach strategy:

Educational signageEducational signageProvide training regarding post-construction maintenanceTV, radio, social media ads and community workshop eventsProvide training to each department of BSB SWMT on specific SOPsClean-up days and classroom education

Attach documentation of participation and/or feedback of key target audiences. ☒ Attached ☐ Not Attached

**See CFWEF Reports Appendix B for summary of MCM 1&2 and
documentation of participation/feedback in Table 1.**

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: 2023

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

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

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

Number of outfalls inspected during dry weather: 18 of 72 (total number of outfalls)

Number of high priority outfalls inspected: 4 of 4 (total number of high priority outfalls)

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

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 https://library.municode.com/mt/butte-silver_bow_county/codes/code_of_ordinances?nodeid=TIT13PUUT_CH32STWAMA_ARTIIIIL1

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:

Appendix E

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 <https://bsbstormwater.org/construction/>

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: 0

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 2023 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 <https://bsbstormwater.org/construction/>

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

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

Number of SOPs evaluated: 32 of 32 (total number of SOPs for permittee facilities/activities)

Summary of SOP updates made in the last year. ☒ Attached ☐ Not Applicable **Appendix F**

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

Appendix G

Year 2023 only, unless updates were made:

Appendix H

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 I includes rationale for obtaining one sample in 2024.

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 J

Year 2023 only, unless updates were made: Attach an inventory of outfalls discharging to impaired waterbodies including associated pollutants. ☐ Attached ☒ Not Applicable

MS4s with an approved TMDL:

Appendix K

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

[Handwritten Signature]

Date Signed

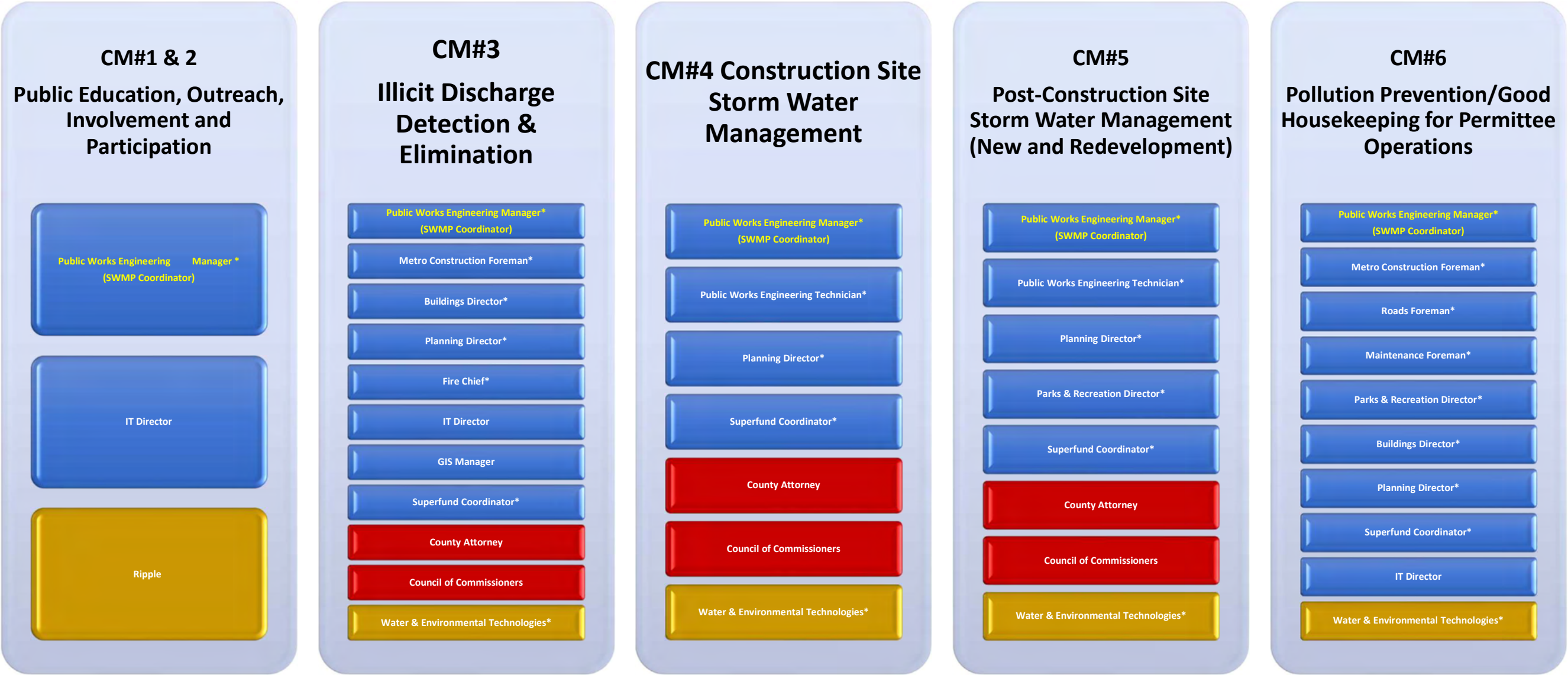
2/25/25

* 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.

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
Brian Moe	BSB Roads	406-490-1825	bmoe@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	Ripple	406-496-4898	rbrandl@mttech.edu
Teal Taylor	Ripple	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									
2024 Public Education & Outreach Performance					2025 Planned Public Education & Outreach Performance				
Target Audiences	Outreach Strategy	Outreach Activity	Participation and Feedback	Results	Target Audiences	Outreach Strategy	Outreach Activity	Budget/Numeric Goal	Action Items
Mobile Cleaning/Carpet Cleaning	Passive Strategy: Educational Signage	Creating industry specific signage about where to dump cleaning wastes, reporting spills, etc.	Outreach was not completed in 2024 and will continue into 2025.	Results will be included in the 2025 report	Mobile Cleaning/Carpet Cleaning	Passive Strategy: Educational Signage	Creating industry specific signage about where to dump cleaning wastes, reporting spills, etc.	Reach 15 companies in Butte.	Companies have been identified. Will distribute brochure/literature to each company identified
Restaurants	Passive Strategy: Educational Signage	Ripple and WET have started working with the BSB metro sewer food, oils, and grease outreach program. Ripple will work with BSB to create and deliver new signage for handling of FOG indoors.	Outreach was not completed in 2024 and will continue into 2025.	Results will be included in the 2025 report	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.	Partner with Pretreatment Program to distribute posters/brochures and educate them on the importance of maintaining their facilities. Tied to notification and inventory of post construction facility owners listed below.
Post Construction Facility Owners	Active Strategy: Provide training regarding post-construction maintenance.	Post-construction facility owner training. The training should be comPLETED by Q3 of 2025	Outreach was not completed in 2024 and will continue into 2025.	Results will be included in the 2025 report	Post Construction Facility Owners	Active Strategy: Provide training regarding post-construction maintenance.	Post-construction facility owner training.	Post Construction Facility Owner Map and Inventory will be created to targed these owners and train them on post-construction maintenance.	BSB intern is looking at all permit applications for the permit term and cataloging yes or no to permanent post construction BMPs in their plans and an address. Currently inventoried about 40% of the Post Construction BMPs in the MS4.
Residential Behaviors	Passive Strategy: TV, Radio and social media ads Active Strategy: Community Workshop events	Radio ads about ice melt, snow pilling, RV dumping practices, car wash practices, cigarette disposal aired throughout the year. TV ads about cleanup days, lawn clipping disposal, fertilizers, only rain in the drainand, and pet waste aired throughout the year. social media out reach focused on the "did you know" campaign. active strategies focused on Community work shop eventes at the public library and clean up days in April and May.	Feedback from tabling events and workshops was overwhelmigly postive. Ripple continues to have requests for calendar dates for next year's events.	The social media generated 1,490 likes, 85 comments, and 1,233 shares. The library talks reached 50 community memebbers, and 40 community memebrrs attended clean up events. 300 educational book marks and 400 seed packets were handed out during earth month.	Residential Behaviors	Passive Strategy: TV, Radio and social media ads Active Strategy: stormwater festival	Continue TV, Radio, and social media outreach. Plan a stormwater festival intended to engage students' parents in learning about stormwater.	Run 500 ads/posts total. Engage 50 parents at the stormwater festival	See Ripple Annual Report
General Housekeeping	Active Strategy: Provide training to each department of BSB SWMT on specific SOPs.	Trainings for each department of BSB on SOPs	SOPs were distributed at SWMT meeting in April, 2024.	Trickle down training reached BSB personnel on department specific SOPs.	General Housekeeping	Active Strategy: Provide training to each department of BSB SWMT on specific SOPs.	Train the rest of the departments	Complete training all 8 departments	BSB will conduct field and facility personnel site training in year 4 of the permit term (2025) by reviewing and distributing all SOPs to the appropriate department head on the SWMT for distribution to employees for training job specific duties to the SOPs.
Students	Active Strategy: Clean-up events with local schools, targeted stormwater education in science classrooms	Clean up events and in-classroom presentations.	The team recruted 9 schools for clean up days. For classroom outreach, the team completed SW education days with East Middle School.	521 students engaged in clean up events. 536 east middle school students were engaged in stormwater education in the classroom.	Students	Active Strategy: Clean-up events with local schools, targeted stormwater education in science classrooms, and a stormwater festival	Teachers and students will be encouraged to plan a clean-up day around their schools and will be supported by Ripple. Classroom education will continue.	Reach 400 students and have 5 schools plan and meet with businesses for clean up days.	See Ripple Annual Report



2024

MS4 Annual Report



Report provided by:
Rayelynn Brandl
Executive Director, Ripple: The Center for
Education and Ecosystem Studies

Executive Summary



Ripple: The Center for Education and Ecosystem Studies, formerly known as 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. Ripple met its contract deliverables for the 2024 permit year, except for targeted restaurant outreach. The MS4 team did not complete the targeted outreach to restaurants due to timing and the need for deeper collaboration with Butte-Silver Bow's existing FOG inspection program.

The following pages detail the outreach strategies, the audiences served, and the number of persons engaged in each project. In 2024, passive outreach strategies include radio ads that ran throughout the year with seasonal messaging. TV ads were limited to the summer months, focusing on water conservation and general stormwater housekeeping. Social media ads were targeted to seasonal issues and general community awareness. Ripple hosted the annual clean-up days with nine elementary schools, serving 521 students and 40 adult volunteers.

In 2024, we were able to provide Stormwater education outreach to 536 East Middle School students and an additional 379 community members through active outreach strategies for clean-ups, targeted training, classroom presentations, and community events.



Passive Strategies completed in 2024:

Radio Ads and the content presented are as follows:

January and February featured ads about ice melt and the use of natural alternatives. A total of 80 ads were run during these months. In March, a total of 72 radio PSA's were aired, 37 of which were about snow piling and where to locate for better Spring runoff, and 35 ads regarding ice melt also aired. In April, a total of 84 radio ads were aired. Ice melt, proper RV Dumping practices, protective car wash practices, and proper disposal of cigarette butts comprised the content for April. In May, June, and July a total of 252 ads were aired with content for cigarettes, car washing, and RV Dumping. Programming returned to proper snow melt alternatives and snow piling in November and December, running a total of 96 ads during those months.



Passive Strategies completed in 2024:

TV ads were revamped during the fall of 2023 and completed in Spring of 2024. The new TV TV Ads and the content presented were aired as follows:

June 2024

Public notice of the annual creek clean-up days and general housekeeping for residents including lawn clipping disposal, use of fertilizers, only rain in the drain messaging, and pet waste were aired. A total of 44 TV ads were aired in June.

July 2024

The program aired 80 TV ads. The content of the summer TV ads included lawn clippings, proper RV dumping, use of fertilizers, pet waste, and rain in the drain messaging.





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. The fact that generated the most engagement (832 likes and 1139 shares) is featured to the right. Social media reach grew in 2024.



Reach	Likes and reactions	Link clicks	Comments	Shares
21,565	1,490	144	85	1233

Community Stormwater Education

Stormwater Education

In-classroom presentations are given by CFWEF 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, student clean-up days and Earth Month activities, radio support by KBMF and Butte Broadcasting, and the TV ads produced by Montana Movie Factory. Students in East Middle School 7th grade science classrooms receive stormwater education programming annually. In 2024, the East Middle School service learning club participated in the Earth Month clean-up days in addition to the in-class programming. This effort included 13 volunteer students.





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

The Community Earth Month efforts continued in 2024. Program staff gave lectures at the Butte Public Library and at local Kiwanis Club meetings during April and May. This effort reached approximately 50 adult community members. We distributed 300 educational bookmarks and 400 seed packets and informational handouts about clean-up events during Earth Month. We also partnered with NCAT again this year to provide training regarding rain gardens and zero-scaping.



Earth Month Sponsors, Partners and In-kind Donors



Clean Up Days

May 20 through May 30, 2024

Butte-Silver Bow Schools

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 521 students and 40 adults in clean-up events.

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

Third Year

This section of Earth Month was hosted again in 2024, in partnership with NCAT. 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 CFWEPS
work at cfwep.org

 **Water:** Daily with seedlings, then weekly

 **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.


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 Fox, Showy Monardella, Prairie Coneflower, Perennial Blackberry



BUSINESS EDUCATION

Active and Passive Strategies for Business Education in 2024

The MS4 team identified working with restaurant owners and the Butte Silver Bow Health Inspection office to update the existing FOG brochures and posters for local restaurants. The update will include additional information about outdoor grease bins, proper location, and proper maintenance of the bins. This project was not completed in 2024, but is slated for early 2025 completion.



2025 Plans

Post-Construction Facility Owners Training

We are working with WET to deliver post-construction facility owner training by Q3 of 2025.

Restaurants

Ripple and WET have started working with the BSB metro sewer food, oils, and grease outreach program. Ripple 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

For 2025, Ripple and WET are working to plan a community stormwater festival. This re-design is intended to engage students' parents in learning about stormwater. Teachers and students will be encouraged to plan a clean-up day around their schools. The program will support classrooms with garbage bags, gloves and pickers. Classroom education workshops, media messaging in TV, radio, and social formats will continue.





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 2024-2025 Annual Budget - Detail of Expenditures							
Fund	5330	Storm Water					
Dept	103	Public Works					
Activity	4306.50	Storm Water					
Obj Description	2021-2022	Actual 2022-2023	Budget	2023 - 2024 Actual	2024 - 2025 Request	2024 - 2025 Approved	
110 Salaries & Wages	89,620	149,055	59,477	59,476	29,758	29,758	-50%
115 Salaries & Wages Unclassified Emp	20,094	0	0	0	0	0	0%
120 Salaries & Wages Overtime	2,518	3,605	8,703	2,370	10,712	10,712	23%
122 Salaries & Wages Special Pay	513	525	500	500	250	250	-50%
130 Salaries & Wages Longevity	1,500	1,500	1,500	1,500	1,000	1,000	-33%
131 Salaries & Wages Other Pay	0	0	360	0	360	360	0%
135 Salaries & Wages Clothing Allow	0	310	285	285	142	142	-50%
136 Salaries & Wages Hazard Pay	304	123	500	128	0	0	-100%
140 Employer Contributions	106,671	77,015	34,013	31,370	18,611	18,611	-45%
190 On-behalf Payments	5,824	5,902	0	0	0	0	0%
195 Pension	98,256	6,381	0	0	0	0	0%
210 Office Supplies	0	0	150	0	150	150	0%
220 Operating Supplies	10,431	5,045	5,000	284	5,000	5,000	0%
230 Repair & Maint. Supplies	30,612	10,387	24,900	22,528	24,900	24,900	0%
260 Non-capital Fixed Assets	0	2,400	0	0	0	0	0%
320 Printing- Duplicating-Etc	0	0	500	0	500	500	0%
330 Publicity- Subscr. & Dues	0	0	2,000	0	0	0	-100%
340 Utility Services	294	73	3,000	0	0	0	-100%
350 Professional Services	190,107	150,938	146,359	149,728	142,500	142,500	-3%
360 Repair & Maint. Services	0	0	0	0	0	0	0%
370 Travel	0	0	2,000	0	0	0	-100%
380 Training Services	0	0	2,000	0	0	0	-100%
390 Other Purchased Services	4,184	0	330	0	0	0	-100%
470 Fabricated Materials	1,090	0	0	0	0	0	0%
510 Insurance	4,742	7,370	7,636	7,635	3,122	3,122	-59%
830 Depreciation	49,349	56,318	0	0	0	0	0%
852 Payroll Charges	801	910	766	637	601	601	-22%
854 Personnel Charges	1,579	1,968	1,780	1,483	1,397	1,397	-22%
858 GIS Charges	3,000	3,000	3,300	3,300	3,300	3,300	0%
930 Improv other than Bldgs	0	0	1,249,389	28,371	1,575,569	1,475,569	18%
950 Construction in Process	0	0	0	250,958	0	0	0%
Total	\$621,489	\$482,826	\$1,554,448	\$560,554	\$1,817,872	\$1,717,872	11%

PERMITTEE'S SWMP RESOURCES CONTINUED

City-County of Butte-Silver Bow 2024-2025 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	Centerville Retaining Wall Project	358,400	358,400
Laborer	0.50	31,151	Emergency Stormwater line repairs	100,000	0
Overtime	0.00	10,712	Howard Street Stormwater project	25,000	25,000
Total	0.50	42,223	Lafayette Stormwater project - carryforward	239,116	239,116
			Pine Street Stormwater Reroute	25,000	25,000
			Westside Stormwater Reroute	828,053	828,053
			Total	1,575,569	1,475,569

1.1 What are the sources of funding for implementation of the MS4 permit and the estimated percentage of the total budget allocated from each source?

- Figure 3. details the storm water budget for the 2024 fiscal year. The non-capital budget is \$242,303 of that approximately \$178,723 will be used in implementation of the MS4 permit. This is 73% of the budget, the remaining 42% will be used for maintenance and repair to the system.

1.2 Specific to the annual reporting calendar year, how did the permittee justify commitment of resources or budget allocations to implementation of the MS4 permit to decision-makers and the public?

- In 2017 Butte-Silver Bow entered into a contract with WET to provide MS4 Permit services. This is a five-year contract with MS4 permitservices.

1.3 Has the permittee demonstrated program effectiveness to obtain budget allocations for this annual reporting calendar year or previous years?

- As this an annual report for the calendar year 2024, responses will be specific to the 2024 calendar year. For information pertaining to previous years, please see those annual reports.
- Yes, the permittee has demonstrated the ability to set rates deemed appropriate by the BSB Council of Commissioners in order to comply with the MS4 general permit.

1.4 How was this annual reporting calendar year's approach to allocate resources different from previous year's approach?

- 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 IDDE Investigation Summary

MS4 General Permit – *Part II.A.2.a.i*
2024 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 performing routine street sweeping and 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 performing routine street sweeping and 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. It has 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 educates 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*
2024 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 has 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



March 1, 2025

Appendix C Summary of Illicit Discharge Investigations – MS4 Annual Report

BSB received a comment or observed and responded to the following incidences of illicit discharges in 2024. Corrective actions summarized in the second column of each instance.

Gas Stations	1. BSB produced and distributed Best Practices to protect our creek and watercourses from hydrocarbons, oil, grease, heavy metals and other chemicals used as fuel additives. 2. Verbal warning and meeting with managers of observed activities inconsistent with BMPs and education distributed. 3. Written Notice of Violation drafted for future occurrences.
Excelsior Ave	1. Summary provided on following pages
Copper and Wyoming	1. While doing maintenance in December 2024, BSB personnel found a sewer line on the corner of Copper and Wyoming St had a hole in it. 2. As discussed with DEQ during MS4 visit these lines run adjacent to the stormwater lines and BSB identified the sewage was entering the stormwater line. 3. BSB ran a new line in this section and eliminated the illicit discharge.



THE CITY-COUNTY OF Butte-Silver Bow

Storm Water Internal Reporting: 12/05/2024

Location: Sam's Place, 905 N Excelsior Ave

Reported I.D.D.E.

On December 5th, 2024, Jeffery Contracting broke the sanitary sewer line that serviced Sam's Place while working on Excelsior Ave. Sam's Place sewer backed up and Mile High Excavating was called to repair the line. Upon unearthing the broken sewer line, it was discovered that the sanitary sewer line was connected to the storm sewer. A photo of the connection is attached as Figure 1. It is unknown exactly how long the Sam's Place sanitary sewer line has been connected to the storm sewer, but the line has most likely been connected since the building was constructed. A camera was inserted into the storm sewer via a storm drain and sewage was confirmed at the connection. The Mile High Excavation crew repaired the broken sanitary sewer line, trenched to the existing sanitary sewer main, and connected Sam's Place to the existing sanitary sewer main. A photo of the capped connection is attached. The illicit discharge was delt with and Sam's Place is no longer discharging sewage into the storm sewer. The repair can be seen in Figure 2.



THE CITY-COUNTY OF Butte-Silver Bow



Figure 1: Sewer Connection



THE CITY-COUNTY OF Butte-Silver Bow



Figure 2: Repair

Appendix D

Resulting Actions from Screening Results of Outfalls

MS4 General Permit 2024 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.

BSB conducted inspections on 13 outfalls and all high priority outfalls above within the MS4 in 2024.

All Outfalls

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



Outfall Name	Receiving H2O	Diameter	Major/Minor	Inspected 2020	Inspected 2021	Inspected 2022	Inspected 2023	Inspected 2024	Misc.
High Priority									
BT-0-8	Blacktail Creek	42"	Major		x	x	x	x	#1 by motel High Priority
BT-0-27	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			on golf course
BT-0-2	Blacktail Creek	36"	Major		x				on golf course
BT-0-3	Metro Storm	24"	Minor			x			
BT-0-4	Blacktail Creek	12"	Minor			x			
BT-0-5	Blacktail Creek	12"	Minor			x			now BT-0-31
BT-0-7	Blacktail Creek	36"	Major		x				
BT-0-11	Blacktail Creek	24"	Minor						
BT-0-12	Blacktail Creek	16"	Minor						
BT-0-13	Blacktail Creek	8"	Minor						
BT-0-14 - EAST	Blacktail Creek	10"	Minor			x			
BT-0-14 - WEST	Blacktail Creek	10"	Minor						
BT-0-15	Blacktail Creek	15	Major		x				walking trail drains ponded area
BT-0-16	Blacktail Creek	144"	Major		x				Huge Culvert under I-15
BT-0-18	Blacktail Creek	6" (iron)	Minor			x			#2 by motel
BT-0-19	Blacktail Creek	6" (PVC)	Minor			x			#3 by motel
BT-0-20	Blacktail Creek	6" (PVC)	Minor			x			#4 by motel
BT-0-21	Blacktail Creek	6" (PVC)	Minor			x			#5 by motel
BT-0-22	Blacktail Creek	6" (PVC)	Minor						unlocatable
BT-0-23	Blacktail Creek	6" (PVC)	Minor			x			#7 by motel
BT-0-24	Blacktail Creek	18"	Major		x	x			
BT-0-25	Blacktail Creek	14"	Minor						
BT-0-27	Blacktail Creek	12"	Minor					x	on golf course
BT-0-28	Blacktail Creek	6"	Minor						#8 by motel
BT-0-29	Blacktail Creek	36"	Major		x				MDT
BT-0-30	Blacktail Creek	12"	Minor			x			new 2013
BT-0-31	Blacktail Creek	24"	Minor			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 2020	Inspected 2021	Inspected 2022	Inspected 2023	Inspected 2024	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			x	on mine (MRI) property
Warren Avenue									
WA-0-1	Metro Storm/ Historic Silver Bow	20"	Minor					x	
WA-0-2	Metro Storm/ Historic Silver Bow	12"	Major		x			x	
WA-0-3	Metro Storm/ Historic Silver Bow	12"	Minor					x	
WA-0-4	Metro Storm/ Historic Silver Bow	12"	Minor					x	Unlocatable
WA-0-5	Metro Storm/ Historic Silver Bow	12"	Minor					x	
WA-0-6 nested with 07	Metro Storm/ Historic Silver Bow	12"	Minor					x	
WA-0-7 nested with 06	Metro Storm/ Historic Silver Bow	24"	Minor					x	
WA-0-8	Metro Storm/ Historic Silver Bow	4'	Major		x			x	
WA-0-9	Metro Storm/ Historic Silver Bow	open channel	major		x			x	
WA-0-10	Metro Storm/ Historic Silver Bow	12"	Minor					x	SBC1-01
WA-0-11	Metro Storm/ Historic Silver Bow Creek	12"	Minor					x	SBC2-01
WA-0-12	Metro Storm/ Historic Silver Bow Creek	12"	Minor					x	Unlocatable
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			22	20	26	16	18	
				31%	28%	36%	22%	25%	





SECTION 1: BACKGROUND DATA

Outfall ID:	MRI-0-1	Date:	2024-09-26
Time:	11:45	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Industrial, Suburban Residential,	Known Industries:	Mine, highways
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	
Shape:	Circular	Number of Pipes:	Triple
Dimensions (in):	48	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 length		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 OUTFALLS

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

Junction of multiple pipes and outfalls from storm water infrastructure off of Howard st, potential mine outfall and overflow from street runoff

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Potential (presence of two or more indicators)			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Sediment deposition, should discuss source and ownership			





SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-8	Date:	2024-09-26
Time:	09:04	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Restaurants, hotels
Lat		Long	
Notes (e.g. orgin of outfall, if			

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	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 length		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 OUTFALLS

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

Maintenance performed last year, both stabilization of eroded area pgradient of pipe and grout pipe junction to remove seep in pipe prior to outfall

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present, close proximity to grease bin and garbage receptacles			

			
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SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-27	Date:	2024-09-26
Time:	09:32	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Golf Course	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	Steel
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 length		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 OUTFALLS

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

Some damage to metal pipe, pool not able to drain right at outfall but erosion is not present and rock rip rap is in good shape. Should come see what it looks like in wet weather.

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
No			





SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-2	Date:	2024-09-26
Time:	10:41	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Civic center
Lat		Long	
Notes (e.g. orgin of outfall, if			

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 length		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 OUTFALLS

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

Pipe covered by vegetation but does not seem inhibited at all

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present			

			
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SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-3	Date:	2024-09-26
Time:	10:45	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Civic center
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present, close proximity to grease bin and garbage receptacles			





SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-1	Date:	2024-09-26
Time:	10:49	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Civic center
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	24	Submerged in Water:	Partially
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 length		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 OUTFALLS

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

Excessive vegetation but not inhibiting flow. Erosion ipgradient at last manhole

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present, erosion upgradient of lastmanhole			





SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-5	Date:	2024-09-26
Time:	11:08	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Civic center
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			

			
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SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-8	Date:	2024-09-26
Time:	11:11	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Open drainage	Material:	rip-rap
Shape:	Trapezoid	Number of Pipes:	
Dimensions (in):		Submerged in Water:	
Submerged in Sediment:		Open Drainage Depth:	6
Open Drainage Width:	144	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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present			





SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-9	Date:	2024-09-26
Time:	11:14	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	In-Stream	Material:	
Shape:		Number of Pipes:	
Dimensions (in):		Submerged in Water:	
Submerged in Sediment:		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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Minor trash and debris			

			
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SECTION 1: BACKGROUND DATA

Outfall ID:	BT-O-17	Date:	2024-09-26
Time:	12:21	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Commercial	Known Industries:	Distributor
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	24	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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
No. Sampling setup here by other company, may inquire for data.			

			
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SECTION 1: BACKGROUND DATA

Outfall ID:	SBC1-O-1	Date:	2024-09-26
Time:	11:19	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential, Open Space	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	RCP
Shape:	Circular	Number of Pipes:	Single
Dimensions (in):	60	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 length		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 OUTFALLS

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

Excessive vegetation. Eroded a channel to flow.

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Potential (presence of two or more indicators)			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present, excessive sediment deposition			





SECTION 1: BACKGROUND DATA

Outfall ID:	WA-O-7	Date:	2024-09-26
Time:	11:35	Investigators	DL, KW
Form completed by:	DL	Temperature (F)	62
Rainfall in Last 24 hours:	No	Rainfall in Last 48 hours:	No
Landuse in Drainage Area:	Suburban Residential	Known Industries:	
Lat		Long	
Notes (e.g. orgin of outfall, if			

SECTION 2: OUTFALL DESCRIPTION

Location:	Pipe	Material:	HDPE
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 length		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 OUTFALLS

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

SECTION 6: OVERALL OUTFALL CHARACTERIZATION			
Unlikely			
SECTION 7: DATA COLLECTION			
Sample for the lab	No	Collected from	
Intermittent flow trap	No	Type	
SECTION 8: ANY NON-ILLCIT DISCHARGE CONCERNS (E.G., TRASH OR NEEDED INFRASTRUCTURE REPAIRS)?			
Trash, and debris present			

			
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Outfall Maintenance Sheet

Outfall #	Date	Improvements Made	Time	Equipment
MG-02	4-9-24	DUG OUT SEDIMENT FROM DITCH	2 Hours	MINI-EXCAVATOR
BT-08	4-5-24	DUG OUT GARBAGE & SEDIMENT FROM DIB. ADDED 10' OF PIPE- ROCKED THE NEW DITCH	5 Hours	MINI-EXCAVATOR DUMP TRUCK
WS-0-3	4-10-24	DUG OUT SEDIMENT FROM DITCH	3 Hours	MINI-EXCAVATOR
BT-0-4		NEED A PERMIT NEXT TO CREEK TO EXCAVATE		
BT-0-32		THIS DITCH NEEDS TO BE CAPPED & ABANDONED- NO LONGER BSB'S DITCH		

D.R.

D.R.
B.F.
J.R.

NG

[Signature]

[Signature]

Appendix E

List of Construction Sites/Projects Inspected and Resulting Actions

List of Construction Sites/Projects Inspected in 2024

Sites	Post Construction BMP's	Location	Type
Oppidan	Yes	Washoe St	Sediment Basins/Retention Pond
Floral Park		Floral Blvd	
Butte GM	Yes	3900 Harrison Ave	Retention Pond
Hilton Home 2	Yes	Cornell St	Infiltration System
NAHN	Yes	Iron St	Retention Pond
Aware Building	Yes	Pine St	Retention Pond
Casey St Storage		Casey St	
NW Meadowlark Apartments	Yes	Corto Rd	Retention Pond



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: NAHAN Location: Iron St
Date of Inspection: 7/26/24 Start/End Time: 9:00/9:10
Inspector's Name(s): Kyle West Inspector's Title(s): Eng. Tech
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: Housing work - exterior



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: NATHAN

Location: Iron St

Date of Inspection: 8/31/24

Start/End Time: 10:00/10:10

Inspector's Name(s): Kyle West

Inspector's Title(s): Engineering Tech

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: 61°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: Exterior house work

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Corto Rd

Date of Inspection: 2/24/24

Start/End Time: 1:20/1:30

Inspector's Name(s): KW

Inspector's Title(s): Eng. Tech

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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Corto Rd
Date of Inspection: 5/24/24 Start/End Time: 12:45/1:00
Inspector's Name(s): KW Inspector's Title(s): Eng. Tech
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: 51°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: _____

[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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
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- ☐ 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
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- ☒ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
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- ☐ 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
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- ☐ Erosion Control Blankets
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- ☐ Channel Liner
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- ☐ Culvert
- ☐ Outfall/Outlet Protection (Rip Rap)
- ☐ Other: _____

Administrative Controls

- ☒ Concrete and Liquid Waste Washouts
- ☐ Worker Toilets
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- ☐ 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
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- ☐ Tarps, Plastic, Visqueen
- ☐ Compost Socks
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- ☒ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Oppidan Location: Washoe St
Date of Inspection: 6/28/24 Start/End Time: 1:10/1:25
Inspector's Name(s): KW Inspector's Title(s): Eng. Tech
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: 62°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: Paving - site 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: _____



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Aware Subdivision Location: Pine St
Date of Inspection: 10/7/24 Start/End Time: 3:10/3:30
Inspector's Name(s): Kyle West Inspector's Title(s): Eng. Tech
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: 69°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: Excavation and 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: _____



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Butte GM

Location: Harrison Ave

Date of Inspection: 2/21/24

Start/End Time: 1:35/1:45

Inspector's Name(s): KW

Inspector's Title(s): Eng. Tech

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

1. **Introduction:** The document discusses the importance of maintaining accurate records of all transactions, including sales, purchases, and expenses, for financial reporting and tax purposes. It emphasizes the need for a systematic approach to record-keeping and the use of appropriate accounting methods.

2. **Accounting Methods:** The document outlines the different accounting methods used to record transactions, including the cash method, accrual method, and cost of sales method. It explains how these methods affect the timing and recognition of income and expenses.

3. **Record-Keeping Requirements:** The document details the specific requirements for maintaining accurate records, including the need to keep original receipts, invoices, and other supporting documents. It also discusses the importance of reconciling accounts regularly to ensure the accuracy of the records.

4. **Financial Reporting:** The document explains how the records are used to prepare financial statements, including the income statement, balance sheet, and statement of cash flows. It highlights the importance of providing accurate and timely financial information to management and stakeholders.

5. **Tax Implications:** The document discusses the tax implications of the accounting methods and record-keeping practices. It explains how the choice of method can affect the timing and amount of taxable income, and how accurate records are essential for claiming deductions and credits.

6. **Conclusion:** The document concludes by emphasizing the importance of maintaining accurate records and using appropriate accounting methods to ensure the reliability of financial information and compliance with tax requirements.



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Butte GM

Location: Harrison Ave

Date of Inspection: 6/28/24

Start/End Time: 12:45/12:55

Inspector's Name(s): KW

Inspector's Title(s): Eng. Tech

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: 61 °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

[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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Bulk GM

Location: Harrison Ave

Date of Inspection: 7/26/24

Start/End Time: 9:50/10:00

Inspector's Name(s): Kyle West

Inspector's Title(s): Eng. Tech

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: _____

[The page contains faint horizontal lines, suggesting it was part of a lined notebook or document.]



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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
<i>Appears concrete washout could be cleaned up and removed</i>	☒ Yes ☐ No	☐ Yes ☒ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Floral Park Flats

Location: Floral Blvd

Date of Inspection: 2/21/24

Start/End Time: 1:55/2:05

Inspector's Name(s): KW

Inspector's Title(s): Eng. Tech

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: _____

[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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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: Floral Park Flats

Location: Floral Blvd

Date of Inspection: 7/26/24

Start/End Time: 10:10/10:20

Inspector's Name(s): Kyle West

Inspector's Title(s): Eng. Tech

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: 76°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: _____

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.



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
	☐ Yes ☐ No	☐ Yes ☐ No		
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	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ 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
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- ☐ Stabilization Parking Area
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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: _____





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Summary: _____

Appendix F

Summary of SOPs updated in Reported Year



January 14, 2025

Appendix F Summary of SOP Evaluation and Audit – MS4 Annual Report

BSB revised one SOP after evaluations in 2023. BSB personnel audited 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:	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:	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.

Summary of SOP #18 Hydrant Flushing audit:

Every year Butte-Silver Bow's (BSB) flushes hydrants to ensure serviceability in the event of an emergency. BSB follows SOP #18 to prevent discharge of contamination into stormwater drains. In October 2024, BSB conducted an internal audit on their hydrant flushing activities. The goal of the audit was to determine if SOP #18 was effective enough to pass the requirements of the General Permit for Disinfected Water and Hydrostatic Testing (MTG770000). The audit revealed that BSB should be able to adequately meet the requirements of the General Permit for Chlorine following SOP #18 procedures.

Appendix G
Trainings and Meetings



March 1, 2025

Appendix G Training – MS4 Annual Report

Attached are agendas for monthly MS4 coordination team meetings and a copy of the meeting of our SWMT member to plan and gauge the reaction to Low Impact Development (LID) encouragement in the City County. Review of the Municipal Code 13.30.340B, shown below, was reviewed as well as the permit requirements for the encouragement of LID. The presentation provided by WET highlighted the principles of LID and examples of implementation around the state. The group has decided to work towards developing a LID Manual for distribution and updating of the requirements set forth in the Stormwater Engineering Standards. BSB will potentially target specific target audiences encouragement and education surrounding LID in 2025 during other planned outreach events. .

13.30.340 - Requirement to prevent, control, and reduce storm water pollutants by the use of best management practices and/or low impact development (LID).



- A. Best Management Practices. The Butte-Silver Bow Public Works Department may require best management practices (BMPs) for any activity, operation, or facility which may cause or contribute to pollution or contamination of storm water, the storm water system, or waters of the United States. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials, pollutants or other wastes into the municipal storm water system or watercourses through the use of structural and non-structural BMPs. Further, any person responsible for a property or premises, which is or may be the location of a source of an illegal discharge, may be required to implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the storm water system. Compliance with all terms and conditions of a valid MPDES permit authorizing the discharge of storm water associated with industrial activity, to the extent practicable, shall be deemed in compliance with the provisions of this section. These BMPs shall be part of a storm water pollution prevention plan (SWPPP) as necessary for compliance with requirements of the MPDES permit.
- B. Low Impact Development. The purpose of this section is to provide additional and optional stormwater management techniques beyond the standard best management practices listed in Section 13.32.340A. These low impact development (LID) techniques strive to mimic pre-disturbance hydrological processes by emphasizing site conservation, use of on-site natural features, site planning, and distributed stormwater management practices. LID is encouraged for site development and redevelopment. Certain LID techniques may be used to fulfill the requirements set forth in the Butte-Silver Bow Municipal Storm Water Engineering Standards, as approved by the public works director. LID is a requirement of the municipal separate storm sewer system (MS4), as such specific design considerations will be updated over time in the Butte-Silver Bow's Municipal Storm Water Engineering Standards.

(Ord. No. 10-13, § 3, 4-20-2011; Ord. No. [20-06](#), § 8, 11-18-2020)

BSB will conduct field and facility personnel site training in year 4 of the permit term (2025) by reviewing and distributing all SOPs to the appropriate department head on the SWMT for distribution to employees for training job specific duties to the SOPs.

Butte-Silver Bow Team Meeting

SWMP Team Meeting
April 10th, 2024



Stephen Coe
Water & Environmental
Technologies



Topics for discussion

Stormwater Management

- Impacts of Stormwater
- Stormwater in Butte

Low Impact Development (LID)

- Basic Principles of LID
- Compliance with LID
- LID Systems
- LID in Montana

Impacts of Stormwater

- Historically, much of Montana's rainwater and snowmelt stayed where it fell, soaking into healthy grasslands and forest soils, eventually making its way to rivers and streams.
- Today, rainwater in developed areas is often sent directly into storm sewers where is it flushed out into rivers along with sediment and contaminants from roads, parking lots, and pavement.
- Stormwater runoff causes 3 major problems:
 1. Impacted water quality
 2. Stream and waterbody impairment
 3. Damage to the built environment



Stormwater in Butte

- Butte-Silver Bow has vulnerable water resources
- Butte's position is critical in overall health of the Clark Fork Watershed
- 2017 Montana Climate Assessment predicts in the short term:
 1. Increased spring precipitation by .2 to .7 inches
 2. Reduced summer precipitation
 3. Greatly reduced snowpack melting earlier
 4. Less consistent availability of surface waters
 5. Greater threat of droughts



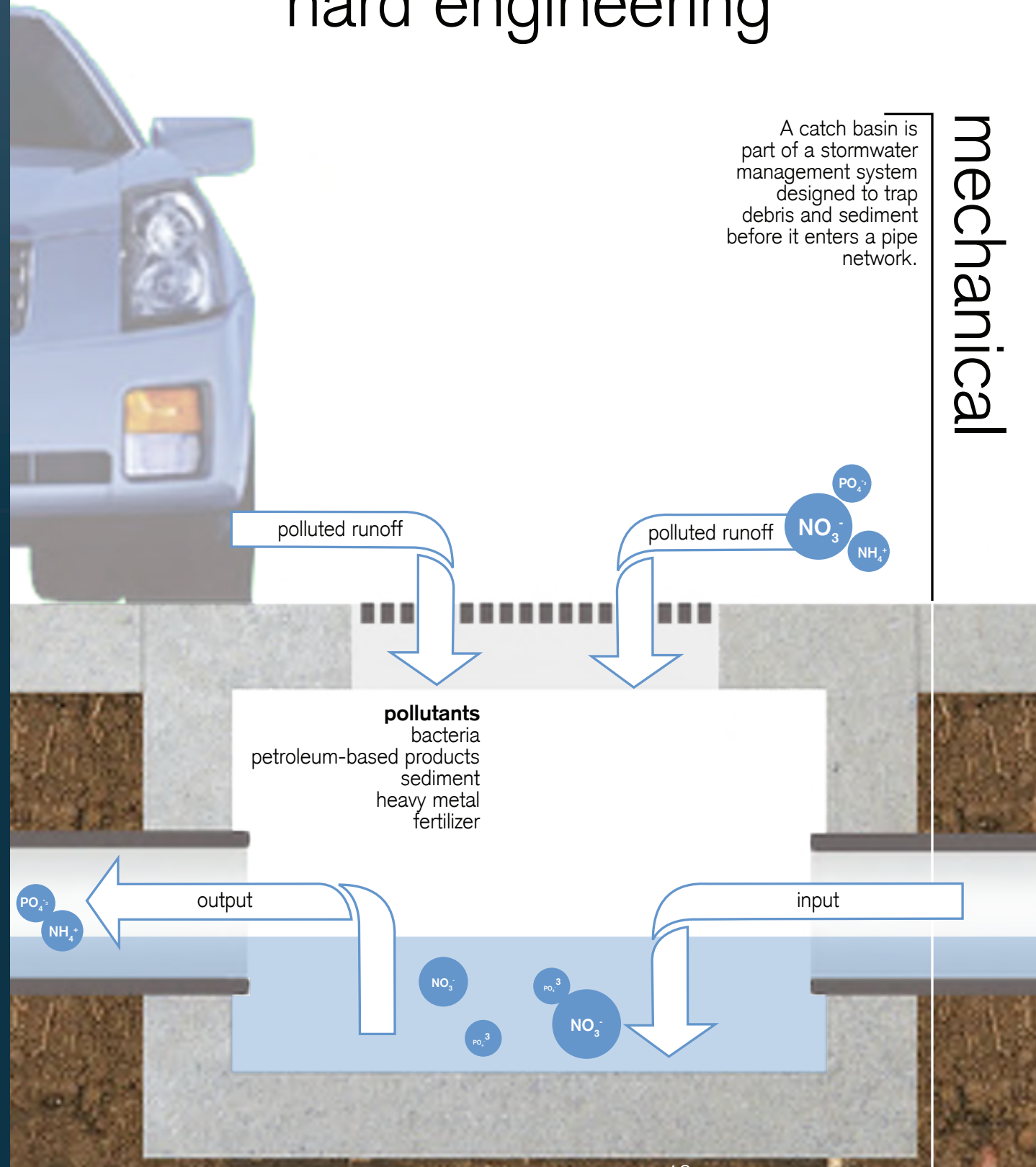
Low Impact Development (LID)

- Low Impact Development (LID) is a stormwater management approach favoring soft engineering to manage precipitation on site through a vegetated treatment network. The goal of LID is to sustain a site's pre-development hydrologic regime by using techniques that infiltrate, filter, store, and evaporate stormwater runoff close to its source.
- LID or Green infrastructure is an approach to wet weather management that is cost-effective, sustainable, and environmentally friendly. This approach uses infiltration and evapotranspiration to capture and reuse stormwater.



Treating Pollutants

hard engineering

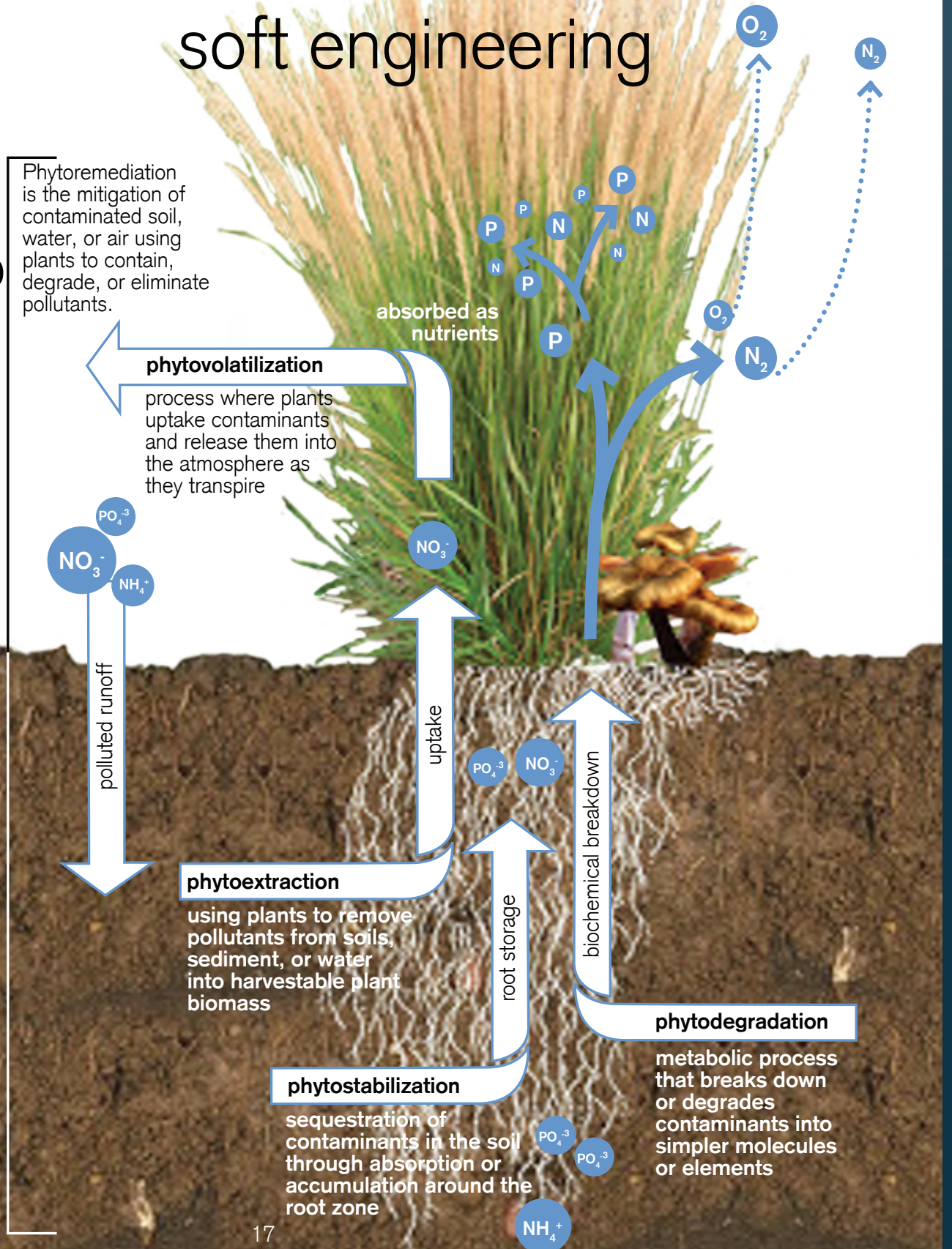


16

soft engineering

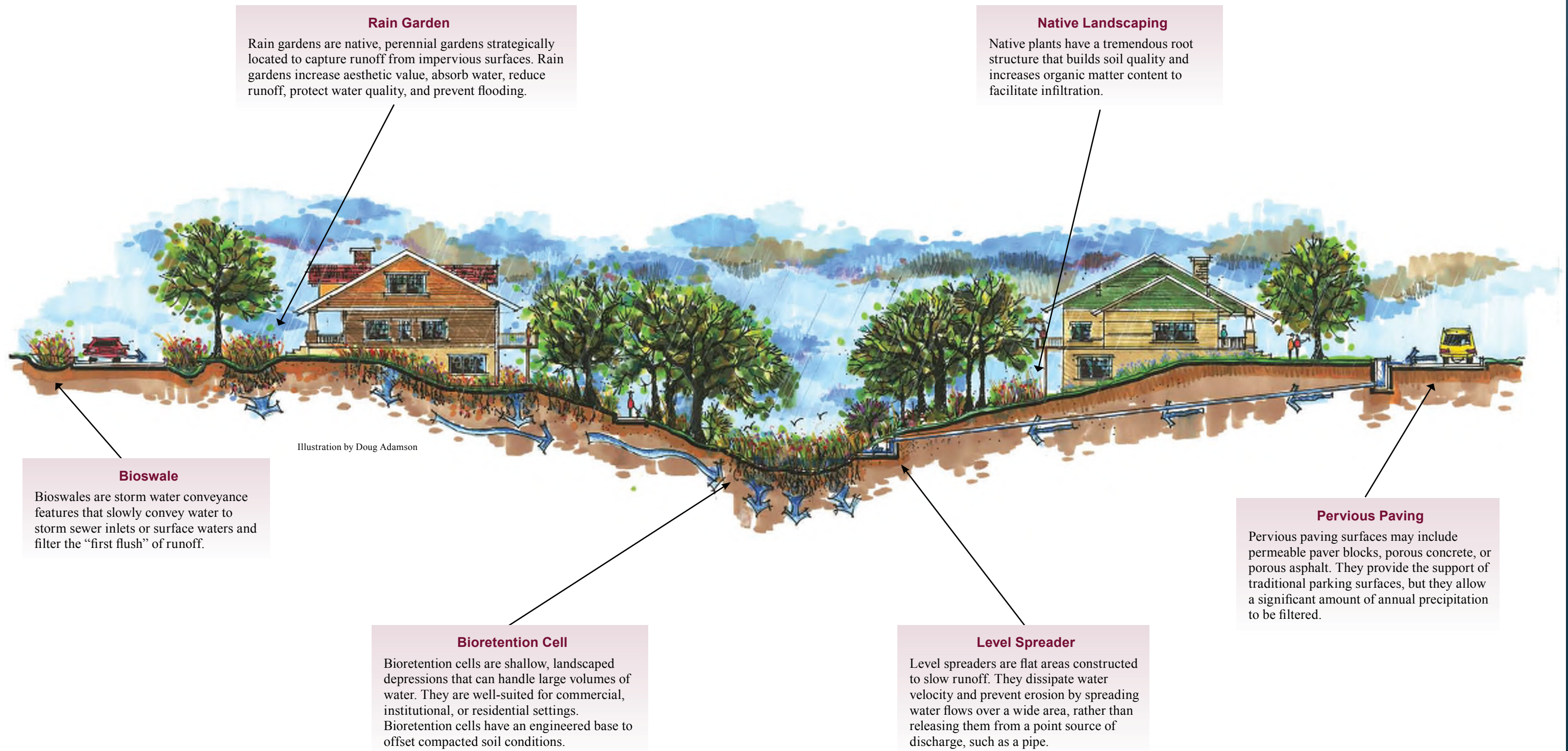
biological

Phytoremediation is the mitigation of contaminated soil, water, or air using plants to contain, degrade, or eliminate pollutants.



17

The LID Approach to Storm Water Management



Basic Principles LID



Development can increase runoff, spreading sediment and pollutants.



Preserve existing natural features and vegetation where possible.



Replace impervious surfaces with resilient permeable materials.



Use natural systems to promote infiltration and evapotranspiration.



Stormwater directed to green infrastructure for retention or detention.

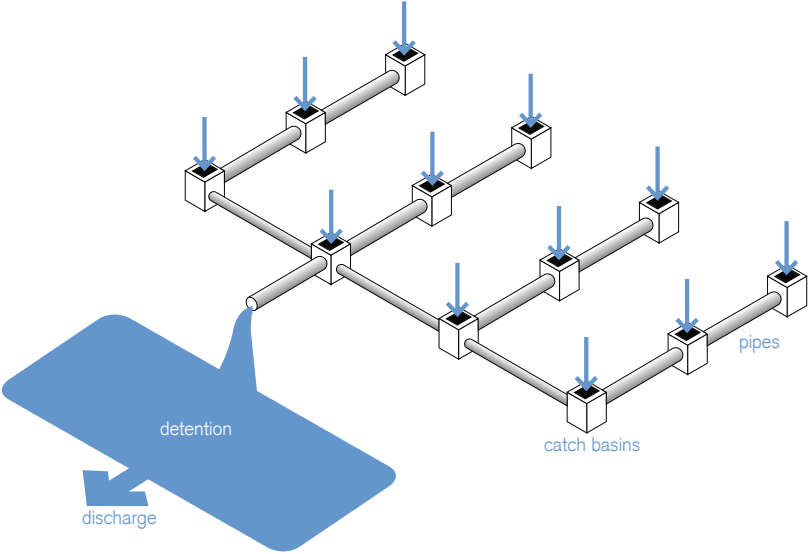


Reduce contaminant loads, moderate peak flow rates and decrease volumes.

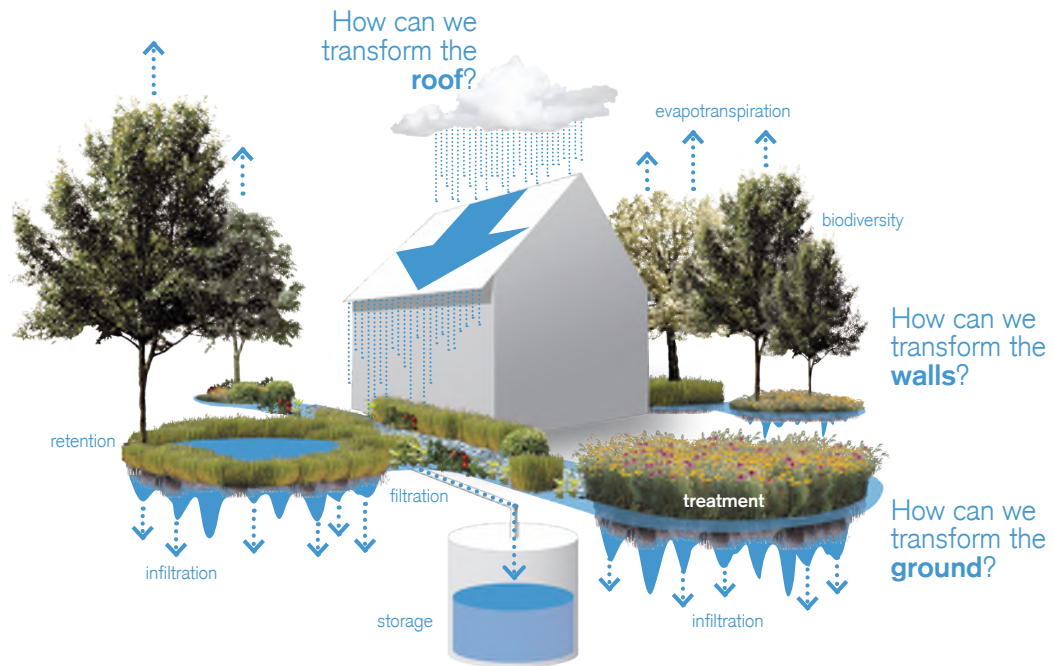
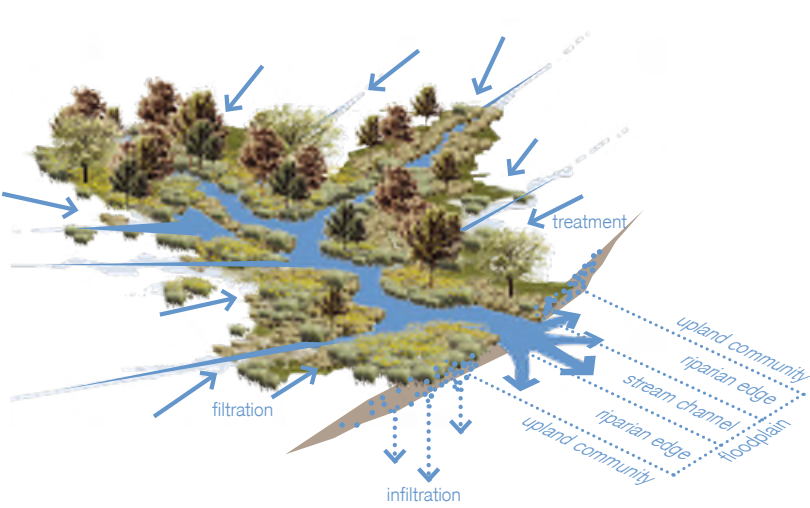


Reduce irrigation inputs by directing drainage to planted areas or storing for use later.

Conventional Infrastructure

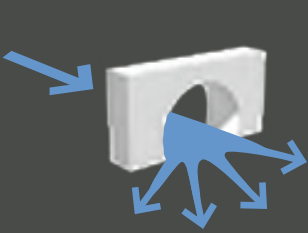


Green (LID) Infrastructure

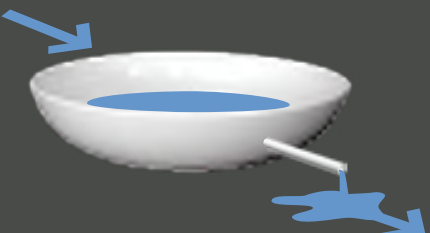


mechanical

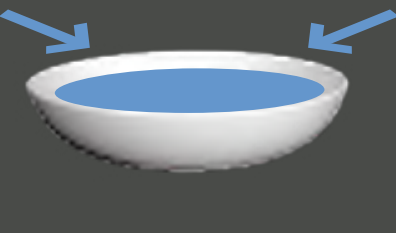
biological



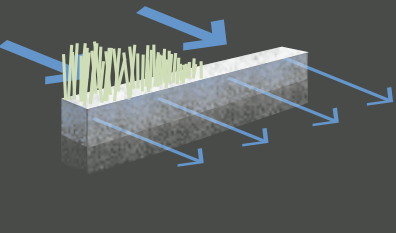
flow control



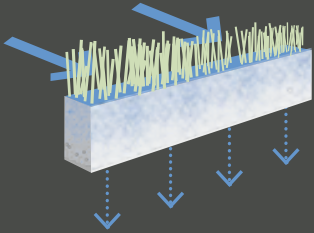
detention



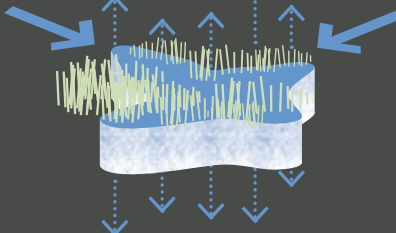
retention



filtration



infiltration



treatment

slow —————> spread —————> soak

flow control: The regulation of stormwater runoff flow rates.

detention: The temporary storage of stormwater runoff in underground vaults, ponds, or depressed areas to allow for metered discharge that reduce peak flow rates.

retention: The storage of stormwater runoff on site to allow for sedimentation of suspended solids.

filtration: The sequestration of sediment from stormwater runoff through a porous media such as sand, a fibrous root system, or a man-made filter.

infiltration: The vertical movement of stormwater runoff through soil, recharging groundwater.

treatment: Processes that utilize phytoremediation or bacterial colonies to metabolize contaminants in stormwater runoff.

Compliance with LID

1. Conserve existing vegetation and natural areas if possible and reduce impervious surfaces
2. Minimize the development impact on hydrology
3. Maintain runoff rate and duration from the site *per MS4 Permit MTR04000 requirements detailed in 5(b)(iii) Post-Construction Site Storm Water Management in New and Redevelopment, LID practices must infiltrate or capture for reuse the first 0.5 inches of rainfall from the 24-hour storm. The runoff generated from this storm must be entirely retained on site.*
4. Scatter integrated management practices (IMPs) throughout a site – IMPs are decentralized, microscale controls that infiltrate, store, evaporate, and/or detain runoff close to the source
5. Implement pollution prevention, proper maintenance, and public education programs

LID in Practice

- Bozeman is moving to require LID practices in its new landscape and irrigation standards, expected to become effective June 15th, 2024.
- Intended to reduce irrigation requirements and protect diminishing water resources. Ideally to avoid further mandatory, permanent water restrictions.
- Projected to save around 421 million gallons of water by 2040 (the amount required to fully support 5,000 single family homes over that time).
- Limits irrigation demand for new development to 8 or 10 gallons per square foot of landscaped areas per year (turf can require around 12 to 25 gallons/ft² per year).
- Provides Design Standards Manual, Water Budget Calculator, and Plant List.



Benefits of LID

- In many cases, LID practices can be cheaper to construct and maintain than traditional stormwater and flood control measures while offering co-benefits.
- Costs related to conveyance infrastructure can be reduced significantly. A properly implemented LID approach:



-Reduces the amounts of pavement, curbs, and gutters needed



-Decreases overall stormwater system volume



-Reduces irrigation needs/costs



-Reduces the need for and size of costly detention basins and pipe delivery systems



-Reduces need for culverts and long distance transport systems

Benefits of LID

- Taking an LID approach early on maximizes the potential savings associated with site prep and earthwork, as well as reestablishing vegetation post-construction.
- An LID approach minimizes site disturbance and construction footprint while preserving existing vegetation, especially mature trees.
- A properly implemented LID approach:



-Reduces costs for site clearing and grubbing



-Reduces site grading, excavation, and construction preparation costs



-Reduces landscaping costs



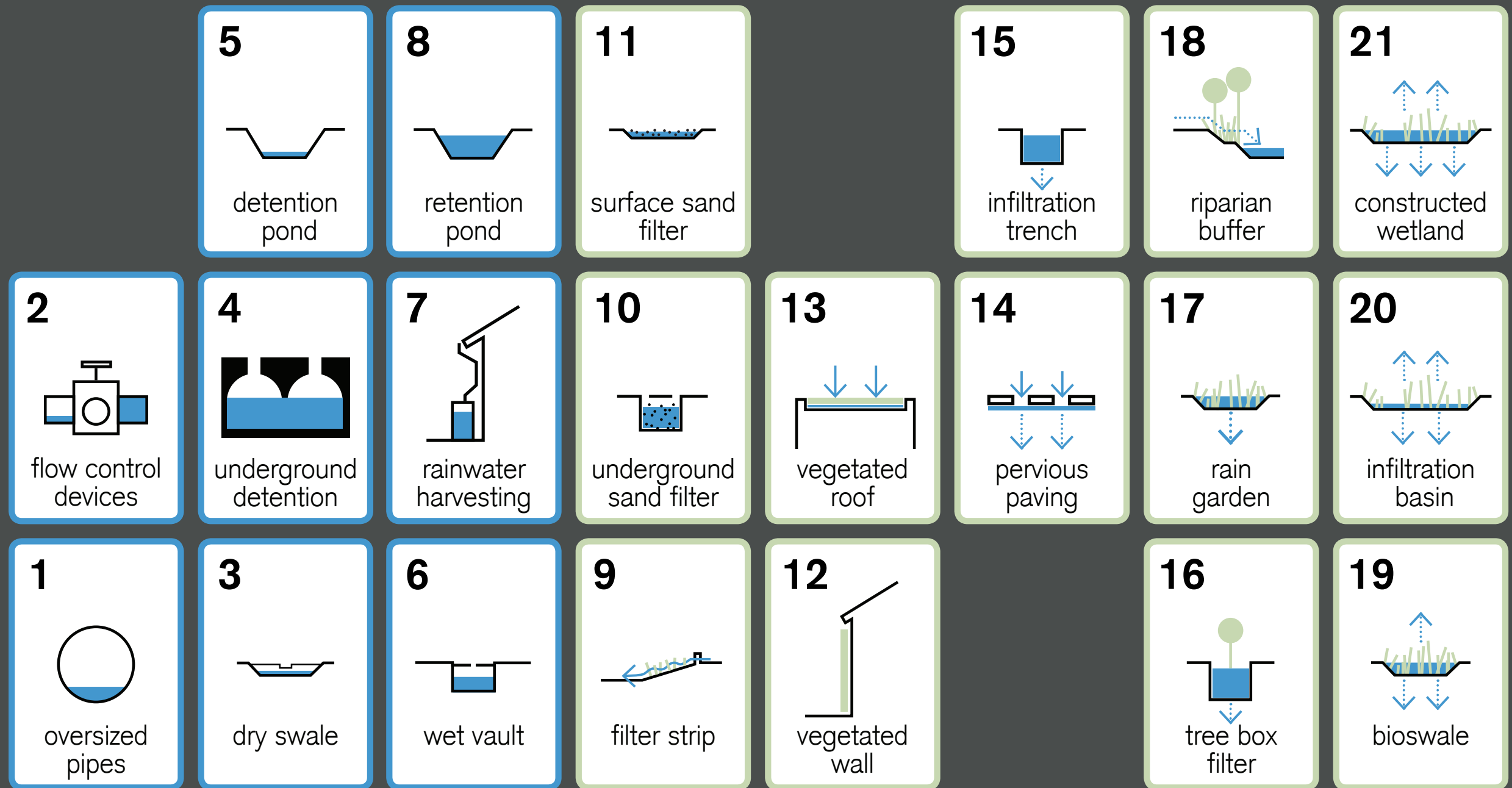
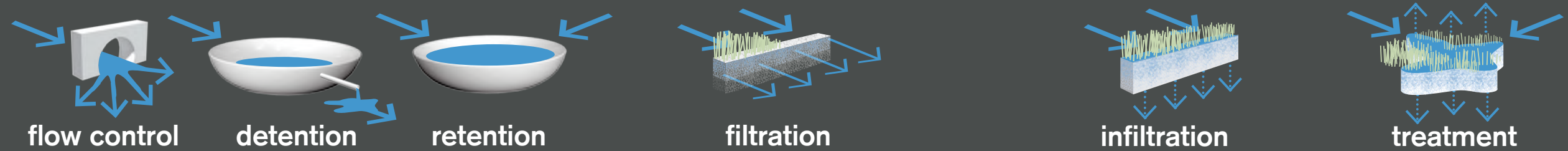
-Reduces pumping and clearing costs

Benefits of LID

- Studies comparing conventional and LID approaches show savings of around 40% for clearing and grubbing, grading, and excavation costs, 30% on on piping costs, with 12% overall savings for development (2013 USF).
- An EPA study examining cost comparisons found between 15% to 80% reduction in cost with an LID approach

Table 2. Summary of Cost Comparisons Between Conventional and LID Approaches^a

Project	Conventional Development Cost	LID Cost	Cost Difference ^b	Percent Difference ^b
2 nd Avenue SEA Street	\$868,803	\$651,548	\$217,255	25%
Auburn Hills	\$2,360,385	\$1,598,989	\$761,396	32%
Bellingham City Hall	\$27,600	\$5,600	\$22,000	80%
Bellingham Bloedel Donovan Park	\$52,800	\$12,800	\$40,000	76%
Gap Creek	\$4,620,600	\$3,942,100	\$678,500	15%
Garden Valley	\$324,400	\$260,700	\$63,700	20%
Kensington Estates	\$765,700	\$1,502,900	-\$737,200	-96%
Laurel Springs	\$1,654,021	\$1,149,552	\$504,469	30%
Mill Creek ^c	\$12,510	\$9,099	\$3,411	27%
Prairie Glen	\$1,004,848	\$599,536	\$405,312	40%
Somerset	\$2,456,843	\$1,671,461	\$785,382	32%
Tellabs Corporate Campus	\$3,162,160	\$2,700,650	\$461,510	15%



increasing level of volume reduction ↑

from mechanical —————→ to biological

LID facilities menu

LID Examples in Montana

Bozeman LID Projects- Bozeman, MT City Hall Waterwise Demonstration Garden

- Permeable pavers
- Utilize runoff for planting areas
- Drought tolerant native plants



Bozeman Public Library

- Permeable surfaces
- Utilize runoff for planting areas
- Drought tolerant native plants



Bozeman Street Improvements

- Reduce impervious surfaces
- Reduce landscape water requirements
- Provide aesthetic improvements



LID Examples in Montana

Shiloh Conservation Area- Billings, MT

Stormwater Treatment and Public Trails

- 66 acre stormwater control and treatment complex
- Converted agricultural ditch
- Flood control and water quality improvement
- Educational and recreation opportunities with trails and an urban fishery



LID Examples in Montana

Northwestern Energy- Butte MT

General Office Green Roof

- LEED Gold certified building
- Collect stormwater
- Reduce peak flow
- Useable space
- Reduce energy costs from heating/cooling





Questions?



TO: Kyle West, Mark Neary
FROM: Dylan Livingston, Stephen Coe, Josh Vincent
DATE: 10/8/2024 1:00-2:00 pm
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. CDM Smith Project Update
2. Construction/Outfall Inspection Update
 - a. Post Construction BMPS
 - b. Excel Sheet with Form Update that WET can provide to BSB
 - c. Renting of Ipad
3. Illicit Discharge – Gas Station Washings Notice of Violation
4. Hydrant Flushing Audit coordination – Late September/Early October – Night Shift
5. SWPPP Training/SPCC Training at Facilities
6. LID proposed plan
7. Ordinance Updates
8. Target Audiences Update
9. As-Built for Maintenance Facility
10. MDT Outfall Inventory Review

Next monthly meeting, Tuesday, November 12, 1:00 @ WET with CDM Smith and Ripple.

TO: Kyle West, Mark Neary
FROM: Dylan Livingston, Stephen Coe, Josh Vincent
DATE: 11/12/2024 1:00-2:00 pm
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. CDM Smith Project Update – Chapin Storrar, CDM Project Manager
2. Sampling Update
3. Illicit Discharge – Gas Station Washings Notice of Violation
4. Hydrant Flushing Audit Results
5. SWPPP Training/SPCC Training at Facilities
 - a. Who is contact at Maintenance Facility
 - b. Other priority areas to inspect?
 - c. As-Built for Maintenance Facility
6. LID proposed plan
 - a. **Stephen, Mark, JP, Julie, Karen, Tim, Josh and Megan**
 - i. **Submit a plan to accomplish compliance of permit requirements**
 - ii. **Recommend reaching out to other MS4s to discuss prior to**
7. MDT Outfall Inventory Review
 - a. BSB Delegated Outfalls
 - i. WS-0-5 Swiss Alps Casino
 - ii. BTC7-0-1 Walgreens Blacktail Creek Second one on E side of Harrison Ave
 - iii. SB-0-3, SB-0-4, AB-0-2, AB-0-4 (Civic Center under Harrison to SBC) – High Priority on E side of Harrison
 - iv. MT-0-4 Montana St SBC - High Priority

Next monthly meeting, Tuesday, December 10, 1:00 @ WET

TO: Kyle West, Mark Neary
FROM: Dylan Livingston, Stephen Coe, Josh Vincent
DATE: 8/13/2024 1:00-2:00 pm
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. Surface Water Permits for Blacktail Creek between Oregon and Father Sheehan
2. Construction/Outfall Inspection scheduling
 - a. Post Construction BMPs
 - b. Excel Sheet with Form Update that WET can provide to BSB
 - c. Renting of Ipad
3. Illicit Discharge – Gas Station Washings
4. Hydrant Flushing Audit coordination – Late September/Early October – Night Shift
5. SWPPP Training/SPCC Training at Facilities
6. LID proposed plan
 - a. 2 options
 - i. Submit a plan
 - ii. Execute the plan and create a document for distribution

Permit requirements:

Assess and document existing ordinances, policies, programs, and studies to identify whether the following LID concepts (both structural and non-structural BMPs) have been implemented to promote protection of storm water runoff quality associated with new and redevelopment projects:

- Directing growth to identified areas
- Protecting sensitive areas such as wetlands and riparian areas
- Maintaining and/or increasing open space
- Providing buffers along sensitive water bodies
- Minimizing impervious surfaces
- Minimizing disturbance of soils and vegetation

By the end of the third year of the permit cycle, develop and submit a plan outlining any needed modifications to relevant codes, ordinances, policies, and programs to implement LID/green infrastructure concepts. The plan shall include, but is not limited to, the preventative actions identified above that have not yet been implemented and proposed timelines for any needed code, ordinance, policy or programmatic updates. If modifications to codes, ordinances, policies, or programs are not needed, submit a plan/overview of any work scheduled or completed to implement LID/green infrastructure concepts, such as those listed above.

7. Ordinance Updates
8. Target Audiences
 - a. 3 construction companies for Mobile Cleaning/Carpet Cleaning with Educational Signage
 - b. 50 Restaurants/FOG users in Butte
 - c. Post Construction Facility Owners – Provide Training on maintenance – Create facility inventory map
 - d. 500 ads total for residential behaviors
 - e. Train all 8 departments for SOPs
 - f. 250 students for clean up events/stormwater education in science classrooms

Next monthly meeting, Tuesday, September, 1:00 @ WET.

TO: Kyle West, Mark Neary
FROM: Dylan Livingston, Stephen Coe, Josh Vincent
DATE: 1/9/2024
RE: MS4 Monthly Meeting

1. SWMT Meeting Agenda Items
 - Meet & Greet
 - Review Org Chart
 - Review Roles of each department and how to increase overlap
 - New Pamphlets for Predevelopment Meetings
 - New Pamphlets for Restaurants
 - LID introduction
2. Other Goals/Needs for 2024
3. Next monthly meeting, Tuesday, February 13, 1:00 @ WET.
 - Review Annual Report Draft

TO: Kyle West, Mark Neary, Angie Mullikin
FROM: Dylan Livingston, Stephen Coe, Josh Vincent, Forrest Jay
DATE: 2/13/2024 1:00-2:30
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. Ordinance Review

- Engineering Review – Fees Etc.
- Update Engineering Standards
- Incorporate LID per 2022 Permit Requirements
- Forms Updates
- Additional changes?

Time-Permitting

2. Condensed Annual Report Review

3. Review of SWMT Meeting Agenda

- Meet & Greet
- Review Org Chart
- Review Roles of each department and how to increase overlap
- New Pamphlets for Predevelopment Meetings
- New Pamphlets for Restaurants
- LID introduction

4. Other Goals/Needs for 2024

5. Next monthly meeting, Tuesday, March 12, 1:00 @ WET.

TO: Kyle West,
FROM: Dylan Livingston
DATE: 5/14/2024 1:00-2:0
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. Current Needs
2. Spring Monitoring/Inspection Schedules
3. Hydrant Flushing
4. Next monthly meeting, Tuesday, June 11, 1:00 @ WET.

TO: Kyle West, Mark Neary
FROM: Dylan Livingston, Stephen Coe, Josh Vincent
DATE: 6/11/2024 3:45-4:30
RE: MS4 Monthly Meeting at WET (480 E Park St Main Floor Conference Room)

1. Semi Annual Sampling Update
2. LID proposed plan
3. Ordinance Updates
4. Surface Water Permits for Blacktail Creek between Oregon and Father Sheehan
5. Construction/Outfall Inspection scheduling
6. Hydrant Flushing Audit coordination

Next monthly meeting, Tuesday, July 9, 1:00 @ WET.

Appendix H
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	12/18/2024	DL, DaL	Sediment, Nutrients, Trash/Debris	To be updated with new As-builts	To be updated with new As-builts	No
Maintenance Facility	12/19/2024	DL, DaL	Sediment, Salt, Hydrocarbons, Trash/Debris	To be updated with new As-builts	To be updated with new As-builts	No

BSB Civic Center Site Inspection Report Form

Project Name: BSB Civic Center
Permit #: MTR040006
Date and Time of Inspection: 12/18/24 09:00
Inspector's Name(s): Dylan Livingston, Danny Lewis
Inspector's Title(s): Project Engineer, Staff Engineer
Inspector's Contact Information: 782-5220 dlivingston@waterenvtech.com, dlewis@waterenvtech.com

Other SWPPP Team Members Present (Name/Title):

Weather at the time of the inspection?

☒ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds ☐ Other: _____ Temperature: 37°F

Quantity of Precipitation at Airport: 0 inches in 0 hours

<http://www.wrh.noaa.gov/mesowest/getobext.php?wfo=mso&sid=KBTM&num=72>

COMMENTS:

There was a small amount of snow that fell on 12/16/24. The parking lot was snowy.

Type of Inspection:

☒ Permittee-Owned High Priority Facility Inspection- Inspections must be conducted Annually.

Drainage Flow Pattern

Inspect drainage flow pattern in SWPPP. Has anything changed? Yes/No

If yes, describe changes New inlets in western parking lot.

1) Sediment

Is there any visible sediment in the stormwater? Yes/No

If yes, please describe where the sediment is coming from and where it is deposited. _____

2) Material Exposure

Is there any material outside that was exposed to precipitation? NO

SWPPP Revisions: Document revisions to the SWPPP resulting from this inspection:

No revisions. Update Map

SWPPP MAP Revisions: Document revisions to the SWPPP maps resulting from this inspection (initial and date).

Spills and Leaks: Inspect all areas where a spill or leak has occurred within the past 3 years. Describe the current condition of the area and any maintenance that may be required.

There were no spills or leaks. No maintenance is required.

BSB Civic Center Site Inspection Report Form

Inspect all **activity areas** and **areas with potential pollutants** at your site. Provide a description of any discharges occurring.

NOTE: The attached map indicates the locations listed below.

Activity Area/ Potential Pollutant Source	Are there any discharges at the time of the inspection? (physical evidence)	Are there any previously unidentified discharges of pollutants? (physical evidence)	Is there evidence ¹ of obvious stormwater pollution?	Corrective Action Needed
North Parking Lot	NO	NO	NO	N/A
South Parking Lot	NO	NO	NO	N/A
Lawn	NO	NO	NO	N/A
Glycol Unit	NO	NO	NO	N/A
Sump, floor Drains	NO	NO	NO	N/A

1. Color, odor, clarity, floating solids, settled solids, suspended solids, foam, and/or oil sheen.
2. Includes office, compressor, bioreactor, main, grit basin, headworks, solids processing, sludge storage, UV, and membrane/chemical.

Inspect all **control measures** at your site. Provide a description of any discharges occurring.

Outfalls & BMPs	Is there evidence of pollutants discharging at outfalls? (physical evidence)	Are there any previously unidentified discharges of pollutants? (physical evidence)	Is there evidence ¹ of obvious stormwater pollution?	BMP Replacement, Maintenance, or Repair Needed?
Outfall 001	NO	NO	NO	NO
Outfall 002	NO	NO	NO	NO
Outfall 003	NO	NO	NO	NO
Outfall 004	NO	NO	NO	NO
Outfall 005	NO	NO	NO	NO
Outfall 006	NO	NO	NO	NO
Outfall 007	NO	NO	NO	NO
Outfall 008	NO	NO	NO	NO
Outfall 009	NO	NO	NO	NO
Outfall 010	NO	NO	NO	NO

1. Color, odor, clarity, floating solids, settled solids, suspended solids, foam, and/or oil sheen

BSB Civic Center Site Inspection Report Form

Additional Control Measures: Describe any additional control measures needed to address any conditions requiring corrective action.

There are no conditions that require corrective action.

Non-Compliance: Describe any incidents of non-compliance not described above.

There are no incidents of non-compliance.

CERTIFICATION STATEMENT

"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 gathered and evaluated 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."

Print name and title: Daniel Leas, Staff Engineer

Signature:



BSB Maintenance Shop Site Inspection Report Form

Project Name: BSB Maintenance Shop
Permit #: MTR040006
Date and Time of Inspection: 12/19/24 11:00 am
Inspector's Name(s): Dan Livingston, Danny Leus
Inspector's Title(s): Project Engineer, Staff Engineer
Inspector's Contact Information: 782-5220, dlivingston@waterenvtech.com, dleus@waterenvtech.com

Other SWPPP Team Members Present (Name/Title):

Weather at the time of the inspection?

☒ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds ☐ Other: _____ Temperature: 28° F

Quantity of Precipitation at Airport: 0 inches in 0 hours

<http://www.wrh.noaa.gov/mesowest/getobext.php?wfo=mso&sid=KBTM&num=72>

COMMENTS:

There was recent snowfall. There was some snow on the ground.

Type of Inspection:

☒ Permittee-Owned High Priority Facility Inspection-Inspections must be conducted **Annually**.

Drainage Flow Pattern

Inspect drainage flow pattern in SWPPP. Has anything changed? Yes/No

If yes, describe changes North end of property is changing. Flow pattern will

be changing & will be different when BSB is done building the area.

1) Sediment

Is there any visible sediment in the stormwater? Yes (No)

If yes, please describe where the sediment is coming from and where it is deposited. _____

2) Material Exposure

Is there any material outside that was exposed to precipitation? No

SWPPP Revisions: Document revisions to the SWPPP resulting from this inspection:

No revisions, update map

SWPPP MAP Revisions: Document revisions to the SWPPP maps resulting from this inspection (initial and date).

Spills and Leaks: Inspect all areas where a spill or leak has occurred within the past 3 years. Describe the current condition of the area and any maintenance that may be required.

There were no spills or leaks. No maintenance is required.

BSB Maintenance Shop Site Inspection Report Form

Inspect all **activity areas** and **areas with potential pollutants** at your site. Provide a description of any discharges occurring.

NOTE: The attached map indicates the locations listed below.

Activity Area/ Potential Pollutant Source	Are there any discharges at the time of the inspection? (physical evidence)	Are there any previously unidentified discharges of pollutants? (physical evidence)	Is there evidence ¹ of obvious stormwater pollution?	Corrective Action Needed
Building E (garage/storage)	NO	NO	NO	N/A
Building A (office)	NO	NO	NO	N/A
Building F (garage/storage)	NO	NO	NO	N/A
Building D (signs/parks storage)	NO	NO	NO	N/A
Building C (garage/storage)	NO	NO	NO	N/A
Building B (maintenance shop)	NO	NO	NO	N/A
Outside Wash Station	NO	NO	NO	N/A
Deicer Station	NO	NO	NO	N/A
Grounds	NO	NO	NO	N/A
Fueling Area	NO	NO	NO	N/A

1. Color, odor, clarity, floating solids, settled solids, suspended solids, foam, and/or oil sheen.
2. Includes office, compressor, bioreactor, main, grit basin, headworks, solids processing, sludge storage, UV, and membrane/chemical.

Inspect all **control measures** at your site. Provide a description of any discharges occurring.

Outfalls & BMPs	Is there evidence of pollutants discharging at outfalls? (physical evidence)	Are there any previously unidentified discharges of pollutants? (physical evidence)	Is there evidence ¹ of obvious stormwater pollution?	BMP Replacement, Maintenance, or Repair Needed?
Building A (vegetative buffer)	NO	NO	NO	N/A
Grounds (detention ponds)	YES, Sediment in detention pond	NO	NO	Yes large amount erosion at outfall into pond
Grounds (drain inlets)	NO	NO	NO	N/A

1. Color, odor, clarity, floating solids, settled solids, suspended solids, foam, and/or oil sheen

BSB Maintenance Shop Site Inspection Report Form

Additional Control Measures: Describe any additional control measures needed to address any conditions requiring corrective action.

Add Rock armoring to outfall that spills into retention pond.

Non-Compliance: Describe any incidents of non-compliance not described above.

There are no incidents of non-compliance.

CERTIFICATION STATEMENT

"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 gathered and evaluated 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."

Print name and title: Daniel Leus, Staff Engineer

Signature:



Appendix I

Sampling Rationale for Reported Year/ Monitoring Summary for Reported Year



THE CITY-COUNTY OF Butte-Silver Bow

March 1, 2025

Appendix I Sampling Rationale – MS4 Annual Report

BSB conducted one sampling event during the 2024 reporting period due to the time of storm events, staffing and dates on which storm events occurred. BSB plans to perform two sampling events in the first half of 2025 with one snowmelt event sampled at the time of this event. TMDL reporting included in this report was collected at the same outfalls as the self-monitoring performed as updated in the SAP. 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.



ANALYTICAL SUMMARY REPORT

June 21, 2024

Water and Environmental Technologies

480 E Park St Ste 200

Butte, MT 59701-1923

Work Order: H24060194

Project Name: BSBPWM041

Energy Laboratories Inc Helena MT received the following 4 samples for Water and Environmental Technologies on 6/6/2024 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H24060194-001	001A	06/03/24 15:55	06/06/24	Aqueous	Metals by ICP/ICPMS, Total Chemical Oxygen Demand Mercury, Total E1664A Oil & Grease Nitrogen, Nitrate + Nitrite Nitrogen, Total Kjeldahl Nitrogen, Total (TKN+NO3+NO2) pH Metals Digestion by E200.2 Preparation for COD testing HACH 8000 E365.1 Digestion, Total P TKN Prep Phosphorus, Total Solids, Total Suspended
H24060194-002	002A	06/03/24 15:30	06/06/24	Aqueous	Same As Above
H24060194-003	001B	06/03/24 16:15	06/06/24	Aqueous	Same As Above
H24060194-004	002B	06/03/24 15:00	06/06/24	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 3161 E. Lyndale Ave., Helena, MT 59604, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.



CLIENT: Water and Environmental Technologies
Project: BSBPWM041
Work Order: H24060194

Report Date: 06/21/24

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

Comments imported for SUBBED Workorder: B24060816

We want to alert you on a change which will affect the reporting limit for Oil and Grease and Total Petroleum Hydrocarbon analysis by EPA method 1664A. This method was recently implemented in our Billings laboratory and during implementation, it was recognized the method has very specific language regarding minimum detection limits allowable for the method.

EPA Method 1664A, section 9.2.1 states: "An MDL less than or equal to the MDL in section 1.6 or less than 1/3 the regulatory compliance limit must be achieved prior to the practice of this method." The laboratory initially interpreted this section of the method to allow reporting to a limit of 1 mg/L because the calculated MDL was less than the MDL in section 1.6 (1.4 mg/L) and lower than 1.0 mg/L. The MDL has historically been 0.7 mg/L $\pm$ 0.2 mg/L. After further evaluation of the method and consultation with several auditors we have concluded the method does not allow a laboratory to report to 1.0 mg/L. Section 1.6 states: "For HEM and SGT-HEM in this method, the method detection limit (MDL) is 1.4 mg/L, and the minimum level of quantitation (ML) is 5.0 mg/L."

The Billings laboratory MDL is 1.2 mg/L, which meets the method requirement in section 9.2.1 (1.4 mg/L). The MDL in the Gillette laboratory is 0.7 mg/L. To meet the second requirement of 1/3 the regulatory limit the required MDL would need to be 0.33 mg/L. After consulting with several TNI auditors, it was determined this is chemically unachievable, and they have not audited a laboratory which can meet that limit.

Recognizing the current regulatory requirement for Oil and Grease is 1 mg/L, we are implementing a reporting limit of 5 mg/L, as defined in the method, and J flagging any result between this limit and the MDL (1.2 mg/L). This approach is utilized in other methods where the regulatory limit is lower than the quantitative limit of the method.

We have initiated communication with the DEQ about this issue and will continue to work with them to minimize any impact this change may have.

Please don't hesitate to contact your project manager with any questions you may have.
End of comments imported for SUBBED Workorder: B24060816



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies
Project: BSBPWM041
Lab ID: H24060194-001
Client Sample ID: 001A

Report Date: 06/21/24
Collection Date: 06/03/24 15:55
Date Received: 06/06/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.	H	0.1		A4500-H B	06/06/24 18:02 / eer
pH Measurement Temp	19.1	°C				A4500-H B	06/06/24 18:02 / eer
Solids, Total Suspended TSS @ 105 C	204	mg/L		50		A2540 D	06/07/24 16:36 / dpw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	163	mg/L		10		E410.4	06/13/24 18:30 / eer
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	1.9	mg/L		0.50		E351.2	06/17/24 12:19 / JAR
Nitrogen, Nitrate+Nitrite as N	0.34	mg/L		0.01		E353.2	06/18/24 18:34 / JAR
Nitrogen, Total	2.2	mg/L		0.50		Calculation	06/20/24 16:30 / JCS
Phosphorus, Total as P	0.55	mg/L		0.01		E365.1	06/08/24 15:51 / JAR
METALS, TOTAL							
Arsenic	0.012	mg/L		0.001		E200.8	06/14/24 14:01 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/14/24 14:01 / dck
Copper	0.146	mg/L		0.005		E200.8	06/14/24 14:01 / dck
Lead	0.039	mg/L		0.001		E200.8	06/14/24 14:01 / dck
Mercury	ND	mg/L	D	0.0005		E245.1	06/18/24 12:02 / eli-b
Zinc	0.32	mg/L		0.01		E200.8	06/14/24 14:01 / dck
ORGANIC CHARACTERISTICS							
Oil & Grease (HEM)	6	mg/L		5		E1664A	06/12/24 11:04 / eli-b

- The reporting limit for Oil and Grease by E1664 was increased due to EPA method requirements.

Report Definitions:

RL - Analyte Reporting Limit
QCL - Quality Control Limit
D - Reporting Limit (RL) increased due to sample matrix

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies
Project: BSBPWM041
Lab ID: H24060194-002
Client Sample ID: 002A

Report Date: 06/21/24
Collection Date: 06/03/24 15:30
Date Received: 06/06/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.	H	0.1		A4500-H B	06/06/24 18:16 / eer
pH Measurement Temp	19.5	°C				A4500-H B	06/06/24 18:16 / eer
Solids, Total Suspended TSS @ 105 C	108	mg/L		20		A2540 D	06/07/24 16:36 / dpw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	113	mg/L		10		E410.4	06/13/24 18:30 / eer
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	1.3	mg/L		0.50		E351.2	06/17/24 12:21 / JAR
Nitrogen, Nitrate+Nitrite as N	0.40	mg/L		0.01		E353.2	06/18/24 18:35 / JAR
Nitrogen, Total	1.7	mg/L		0.50		Calculation	06/20/24 16:30 / JCS
Phosphorus, Total as P	0.42	mg/L		0.01		E365.1	06/08/24 15:52 / JAR
METALS, TOTAL							
Arsenic	0.008	mg/L		0.001		E200.8	06/14/24 14:04 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/14/24 14:04 / dck
Copper	0.094	mg/L		0.005		E200.8	06/14/24 14:04 / dck
Lead	0.019	mg/L		0.001		E200.8	06/14/24 14:04 / dck
Mercury	ND	mg/L	D	0.0005		E245.1	06/18/24 12:03 / eli-b
Zinc	0.13	mg/L		0.01		E200.8	06/14/24 14:04 / dck
ORGANIC CHARACTERISTICS							
Oil & Grease (HEM)	3	mg/L	JL	5		E1664A	06/12/24 11:06 / eli-b

- The reporting limit for Oil and Grease by E1664 was increased due to EPA method requirements.

Report Definitions:

RL - Analyte Reporting Limit
QCL - Quality Control Limit
D - Reporting Limit (RL) increased due to sample matrix
J - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
L - Lowest available reporting limit for the analytical method used and/or volume submitted



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies
Project: BSBPWM041
Lab ID: H24060194-003
Client Sample ID: 001B

Report Date: 06/21/24
Collection Date: 06/03/24 16:15
Date Received: 06/06/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.	H	0.1		A4500-H B	06/07/24 13:31 / dpw
pH Measurement Temp	15.9	°C				A4500-H B	06/07/24 13:31 / dpw
Solids, Total Suspended TSS @ 105 C	149	mg/L		20		A2540 D	06/07/24 14:37 / dpw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	110	mg/L		10		E410.4	06/13/24 18:30 / eer
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	1.4	mg/L		0.50		E351.2	06/17/24 12:22 / JAR
Nitrogen, Nitrate+Nitrite as N	0.21	mg/L		0.01		E353.2	06/18/24 18:36 / JAR
Nitrogen, Total	1.6	mg/L		0.50		Calculation	06/20/24 16:30 / JCS
Phosphorus, Total as P	0.51	mg/L		0.01		E365.1	06/08/24 15:53 / JAR
METALS, TOTAL							
Arsenic	0.01	mg/L		0.001		E200.8	06/14/24 14:07 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/14/24 14:07 / dck
Copper	0.08	mg/L		0.005		E200.8	06/14/24 14:07 / dck
Lead	0.06	mg/L		0.001		E200.8	06/14/24 14:07 / dck
Mercury	ND	mg/L	D	0.0005		E245.1	06/18/24 12:04 / eli-b
Zinc	0.33	mg/L		0.01		E200.8	06/14/24 14:07 / dck
ORGANIC CHARACTERISTICS							
Oil & Grease (HEM)	4	mg/L	JL	5		E1664A	06/12/24 11:08 / eli-b

- The reporting limit for Oil and Grease by E1664 was increased due to EPA method requirements.

Report Definitions:

RL - Analyte Reporting Limit
QCL - Quality Control Limit
D - Reporting Limit (RL) increased due to sample matrix
J - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
L - Lowest available reporting limit for the analytical method used and/or volume submitted



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies
Project: BSBPWM041
Lab ID: H24060194-004
Client Sample ID: 002B

Report Date: 06/21/24
Collection Date: 06/03/24 15:00
Date Received: 06/06/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.	H	0.1		A4500-H B	06/07/24 13:33 / dpw
pH Measurement Temp	15.3	°C				A4500-H B	06/07/24 13:33 / dpw
Solids, Total Suspended TSS @ 105 C	329	mg/L		20		A2540 D	06/07/24 14:37 / dpw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	163	mg/L		10		E410.4	06/13/24 18:30 / eer
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	2.3	mg/L		0.50		E351.2	06/17/24 12:24 / JAR
Nitrogen, Nitrate+Nitrite as N	0.22	mg/L		0.01		E353.2	06/18/24 18:37 / JAR
Nitrogen, Total	2.5	mg/L		0.50		Calculation	06/20/24 16:30 / JCS
Phosphorus, Total as P	0.76	mg/L		0.01		E365.1	06/08/24 15:54 / JAR
METALS, TOTAL							
Arsenic	0.016	mg/L		0.001		E200.8	06/14/24 14:10 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/14/24 14:10 / dck
Copper	0.193	mg/L		0.005		E200.8	06/14/24 14:10 / dck
Lead	0.065	mg/L		0.001		E200.8	06/14/24 14:10 / dck
Mercury	ND	mg/L	D	0.0005		E245.1	06/18/24 12:06 / eli-b
Zinc	0.35	mg/L		0.01		E200.8	06/14/24 14:10 / dck
ORGANIC CHARACTERISTICS							
Oil & Grease (HEM)	5	mg/L		5		E1664A	06/12/24 11:10 / eli-b

- The reporting limit for Oil and Grease by E1664 was increased due to EPA method requirements.

Report Definitions:	RL - Analyte Reporting Limit	MCL - Maximum Contaminant Level
	QCL - Quality Control Limit	ND - Not detected at the Reporting Limit (RL)
	D - Reporting Limit (RL) increased due to sample matrix	H - Analysis performed past the method holding time



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D										Batch: TSS20240607A
Lab ID: MBLK_20240607-4	Method Blank					Run: Accu-124 (14410200)_240607		06/07/24 14:34		
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.3						
Lab ID: LCS_20240607-4	Laboratory Control Sample					Run: Accu-124 (14410200)_240607		06/07/24 14:34		
Solids, Total Suspended TSS @ 105 C		94.0	mg/L	25	94	80	120			
Lab ID: H24060194-003ADUP	Sample Duplicate					Run: Accu-124 (14410200)_240607		06/07/24 16:38		
Solids, Total Suspended TSS @ 105 C		148	mg/L	25				0.7	10	
Lab ID: LCS_20240607-5	Laboratory Control Sample					Run: Accu-124 (14410200)_240607		06/07/24 14:46		
Solids, Total Suspended TSS @ 105 C		94.0	mg/L	25	94	80	120			
Lab ID: MBLK_20240607-6	Method Blank					Run: Accu-124 (14410200)_240607		06/07/24 14:56		
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.3						
Lab ID: H24060194-001ADUP	Sample Duplicate					Run: Accu-124 (14410200)_240607		06/07/24 16:36		
Solids, Total Suspended TSS @ 105 C		204	mg/L	50				0.0	10	
Lab ID: H24060194-002ADUP	Sample Duplicate					Run: Accu-124 (14410200)_240607		06/07/24 16:37		
Solids, Total Suspended TSS @ 105 C		118	mg/L	25				8.8	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B										
							Analytical Run: PHSC_101-H_240606A			
Lab ID: pH 7	2	Initial Calibration Verification Standard								06/06/24 08:36
pH		7.0	s.u.	0.1	100	98	102			
pH Measurement Temp		20.9	°C			0	0			
Lab ID: CCV - pH 7										
							Analytical Run: PHSC_101-H_240607A			
Lab ID: pH 7	2	Continuing Calibration Verification Standard								06/06/24 17:24
pH		7.0	s.u.	0.1	100	98	102			
pH Measurement Temp		19.8	°C			0	0			
Method: A4500-H B										
							Batch: R195504			
Lab ID: H24060149-051ADUP	2	Sample Duplicate								06/06/24 18:00
							Run: PHSC_101-H_240606A			
pH		7.4	s.u.	0.1				0.1	3	H
pH Measurement Temp		19.6	°C							
Method: A4500-H B										
							Analytical Run: PHSC_101-H_240607A			
Lab ID: pH 7	2	Initial Calibration Verification Standard								06/07/24 08:30
pH		7.0	s.u.	0.1	100	98	102			
pH Measurement Temp		21.0	°C			0	0			
Method: A4500-H B										
							Batch: R195544			
Lab ID: H24060197-001ADUP	2	Sample Duplicate								06/07/24 13:37
							Run: PHSC_101-H_240607A			
pH		7.2	s.u.	0.1				0.1	3	H
pH Measurement Temp		15.1	°C							

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

H - Analysis performed past the method holding time



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1664A										Batch: B_240612A
Lab ID: MBLK2406120919		Method Blank					Run: SUB-B422786			06/12/24 09:27
Oil & Grease (HEM)		ND	mg/L	5.0						
Lab ID: LCS2406120919		Laboratory Control Sample					Run: SUB-B422786			06/12/24 09:29
Oil & Grease (HEM)		35	mg/L	5.0	87	78	114			
Lab ID: LCSD2406120919		Laboratory Control Sample Duplicate					Run: SUB-B422786			06/12/24 09:31
Oil & Grease (HEM)		33	mg/L	5.0	83	78	114	5.0	18	
Lab ID: B24060270-001BMS-2		Sample Matrix Spike					Run: SUB-B422786			06/12/24 09:35
Oil & Grease (HEM)		38	mg/L	5.0	85	78	114			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS205-H_240613B		
Lab ID: ICV	5	Initial Calibration Verification Standard							06/13/24 23:04	
Arsenic		0.0627	mg/L	0.0050	105	90	110			
Cadmium		0.0313	mg/L	0.0010	104	90	110			
Copper		0.0641	mg/L	0.010	107	90	110			
Lead		0.0619	mg/L	0.010	103	90	110			
Zinc		0.0661	mg/L	0.010	110	90	110			
Lab ID: ICSA	5	Interference Check Sample A							06/13/24 23:18	
Arsenic		ND	mg/L	0.0050						
Cadmium		ND	mg/L	0.0010						
Copper		ND	mg/L	0.010						
Lead		ND	mg/L	0.010						
Zinc		ND	mg/L	0.010						
Lab ID: ICSAB	5	Interference Check Sample AB							06/13/24 23:28	
Arsenic		0.00956	mg/L	0.0050	96	70	130			
Cadmium		0.00997	mg/L	0.0010	100	70	130			
Copper		0.0195	mg/L	0.010	97	70	130			
Lead		ND	mg/L	0.010		0	0			
Zinc		0.0111	mg/L	0.010	111	70	130			
Lab ID: CCV	5	Continuing Calibration Verification Standard							06/14/24 13:52	
Arsenic		0.0506	mg/L	0.0050	101	90	110			
Cadmium		0.0506	mg/L	0.0010	101	90	110			
Copper		0.0519	mg/L	0.010	104	90	110			
Lead		0.0492	mg/L	0.010	98	90	110			
Zinc		0.0515	mg/L	0.010	103	90	110			
Method: E200.8								Batch: 72174		
Lab ID: MB-72174	5	Method Blank							Run: ICPMS205-H_240613B 06/14/24 02:01	
Arsenic		ND	mg/L	0.0001						
Cadmium		ND	mg/L	0.00003						
Copper		ND	mg/L	0.0003						
Lead		ND	mg/L	0.0001						
Zinc		ND	mg/L	0.001						
Lab ID: LCS-72174	5	Laboratory Control Sample							Run: ICPMS205-H_240613B 06/14/24 02:48	
Arsenic		0.518	mg/L	0.0010	104	85	115			
Cadmium		0.261	mg/L	0.0010	104	85	115			
Copper		0.521	mg/L	0.0050	104	85	115			
Lead		0.533	mg/L	0.0010	107	85	115			
Zinc		0.512	mg/L	0.010	102	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 72174
Lab ID: H24060147-001CMS3 5 Sample Matrix Spike										Run: ICPMS206-H_240613A 06/13/24 23:14
Arsenic		0.993	mg/L	0.0010	98	70	130			
Cadmium		0.491	mg/L	0.0010	98	70	130			
Copper		1.09	mg/L	0.0050	102	70	130			
Lead		1.07	mg/L	0.0010	107	70	130			
Zinc		0.980	mg/L	0.010	96	70	130			
Lab ID: H24060147-001CMSD3 5 Sample Matrix Spike Duplicate										Run: ICPMS206-H_240613A 06/13/24 23:19
Arsenic		0.988	mg/L	0.0010	98	70	130	0.5	20	
Cadmium		0.490	mg/L	0.0010	98	70	130	0.3	20	
Copper		1.06	mg/L	0.0050	99	70	130	3.2	20	
Lead		1.05	mg/L	0.0010	105	70	130	1.7	20	
Zinc		0.976	mg/L	0.010	96	70	130	0.5	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method:	E245.1								Analytical Run: SUB-B423019		
Lab ID:	ICV-190516	Initial Calibration Verification Standard							06/18/24 10:52		
Mercury		0.00184	mg/L	0.00010	92	90	110				
Lab ID:	CCV	Continuing Calibration Verification Standard							06/18/24 11:56		
Mercury		0.00238	mg/L	0.00010	95	90	110				
Lab ID:	CCV	Continuing Calibration Verification Standard							06/18/24 12:47		
Mercury		0.00238	mg/L	0.00010	95	90	110				
Method:	E245.1								Batch: B_190465		
Lab ID:	MB-190465	Method Blank			Run: SUB-B423019			06/18/24 11:42			
Mercury		ND	mg/L	0.00006							
Lab ID:	LCS-190465	Laboratory Control Sample			Run: SUB-B423019			06/18/24 11:43			
Mercury		0.00176	mg/L	0.00010	88	85	115				
Lab ID:	B24060827-005CMS	Sample Matrix Spike			Run: SUB-B423019			06/18/24 12:15			
Mercury		0.00186	mg/L	0.00010	93	70	130				
Lab ID:	B24060827-005CMSD	Sample Matrix Spike Duplicate			Run: SUB-B423019			06/18/24 12:16			
Mercury		0.00184	mg/L	0.00010	92	70	130	1.0	30		

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E351.2										Analytical Run: SEAL AA500_240617B
Lab ID: ICV										Initial Calibration Verification Standard
Nitrogen, Kjeldahl, Total as N										06/17/24 11:21
		9.70	mg/L	0.50	97	90	110			
Lab ID: CCV										Continuing Calibration Verification Standard
Nitrogen, Kjeldahl, Total as N										06/17/24 12:15
		10.4	mg/L	0.50	104	90	110			
Method: E351.2										Batch: 72297
Lab ID: MB-72297										Method Blank
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		ND	mg/L	0.1						06/17/24 11:25
Lab ID: LCS-72297										Laboratory Control Sample
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		10.2	mg/L	0.50	102	90	110			06/17/24 11:28
Lab ID: H24060139-002Bms										Sample Matrix Spike
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		9.91	mg/L	0.50	99	90	110			06/17/24 12:01
Lab ID: H24060139-002Bmsd										Sample Matrix Spike Duplicate
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		10.5	mg/L	0.50	105	90	110	5.3	10	06/17/24 12:03
Lab ID: H24060288-003Ams										Sample Matrix Spike
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		10.2	mg/L	0.50	100	90	110			06/17/24 12:45
Lab ID: H24060288-003Amsd										Sample Matrix Spike Duplicate
Nitrogen, Kjeldahl, Total as N										Run: SEAL AA500_240617B
		10.5	mg/L	0.50	104	90	110	3.2	10	06/17/24 12:46

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: SEAL AA500_240618B		
Lab ID: ICV	Initial Calibration Verification Standard			06/18/24 17:41						
Nitrogen, Nitrate+Nitrite as N		0.982	mg/L	0.010	98	90	110			
Continuing Calibration Verification Standard								06/18/24 18:29		
Lab ID: CCV										
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.010	100	90	110			
Method: E353.2								Batch: R195893		
Lab ID: ICB	Method Blank			Run: SEAL AA500_240618B						
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.01	06/18/24 17:38					
Laboratory Fortified Blank								06/18/24 17:42		
Lab ID: LFB										
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.011	101	90	110			
Sample Matrix Spike								06/18/24 18:40		
Lab ID: H24060207-001CMS										
Nitrogen, Nitrate+Nitrite as N		1.25	mg/L	0.011	96	90	110			
Sample Matrix Spike Duplicate								06/18/24 18:41		
Lab ID: H24060207-001CMSD										
Nitrogen, Nitrate+Nitrite as N		1.26	mg/L	0.011	97	90	110	0.5	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1 Analytical Run: SEAL AA500_240608A										
Lab ID: ICV Initial Calibration Verification Standard 06/08/24 12:24										
Phosphorus, Total as P		0.252	mg/L	0.010	101	90	110			
Lab ID: CCV Continuing Calibration Verification Standard 06/08/24 15:47										
Phosphorus, Total as P		0.100	mg/L	0.010	100	90	110			
Method: E365.1 Batch: 72199										
Lab ID: MB-72199 Method Blank Run: SEAL AA500_240608A 06/08/24 12:32										
Phosphorus, Total as P		ND	mg/L	0.001						
Lab ID: LCS-72199 Laboratory Control Sample Run: SEAL AA500_240608A 06/08/24 12:38										
Phosphorus, Total as P		0.414	mg/L	0.010	104	90	110			
Lab ID: H24060210-001CMS Sample Matrix Spike Run: SEAL AA500_240608A 06/08/24 15:56										
Phosphorus, Total as P		0.215	mg/L	0.010	104	90	110			
Lab ID: H24060210-001CMSD Sample Matrix Spike Duplicate Run: SEAL AA500_240608A 06/08/24 15:57										
Phosphorus, Total as P		0.213	mg/L	0.010	102	90	110	1.1	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Water and Environmental Technologies

Work Order: H24060194

Report Date: 06/21/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										
Analytical Run: GENESYS 20_240613A										
Lab ID: CCV	Continuing Calibration Verification Standard									
Oxygen Demand, Chemical (COD)		52.5	mg/L	5.0	105	90	110			06/13/24 18:30
Method: E410.4										
Batch: 72279										
Lab ID: MB-72279	Method Blank									
Oxygen Demand, Chemical (COD)		ND	mg/L	4						06/13/24 18:30
Run: GENESYS 20_240613A										
Lab ID: LCS-72279	Laboratory Control Sample									
Oxygen Demand, Chemical (COD)		64.6	mg/L	5.0	108	90	110			06/13/24 18:30
Run: GENESYS 20_240613A										
Lab ID: H24060114-002CMS	Sample Matrix Spike									
Oxygen Demand, Chemical (COD)		68.1	mg/L	5.0	113	90	110			06/13/24 18:30
S										
Run: GENESYS 20_240613A										
Lab ID: H24060114-002CMSD	Sample Matrix Spike Duplicate									
Oxygen Demand, Chemical (COD)		67.1	mg/L	5.0	112	90	110	1.4	20	06/13/24 18:30
S										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits



Work Order Receipt Checklist

Water and Environmental Technologies

H24060194

Login completed by: Rebecca A. Tooke

Date Received: 6/6/2024

Reviewed by: tjones

Received by: RAT

Reviewed Date: 6/11/2024

Carrier name: Hand Deliver

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☒	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☒	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	1.3°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The Temperature Blank temperature for shipping container 1 was 1.3°C and shipping container 2 was 2.1°C. 6/6/24 rt



Chain of Custody & Analytical Request Record

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Page 1 of 1

Account Information (Billing Information)

Company/Name WET	
Contact Accounting	
Phone (406) 782-5220	
Mailing Address 480 E Park St	
City, State, Zip Butte, MT 59701	
Email Accounting@waterenvtech.com	
Receive Invoice ☐ Hard Copy ☒ Email	Receive Report ☐ Hard Copy ☐ Email
Purchase Order	Quote
	Bottle Order 47678

Report Information (if different than Account Information)

Company/Name WET	
Contact Stephen Coe	
Phone (406) 782-5220	
Mailing Address 480 E Park St	
City, State, Zip Butte, MT 59701	
Email scoe@waterenvtech.com	
Receive Report ☐ Hard Copy ☒ Email	
Special Report/Formats	
☐ LEVEL IV ☐ NELAC ☒ EDD/EDT (contact laboratory) ☐ Other	

Comments

For E200.7_8 analyze for Cu, Pb, Zn, As, Cd, Hg
Email results also to dlivingston@waterenvtech.com

Project Information

Project Name, PWSID, Permit, etc. BSBPVM041	
Sampler Name Dylan Livingston	Sampler Phone 406-312-9471
Sample Origin State MT	EPA/State Compliance ☐ Yes ☒ No
URANIUM MINING CLIENTS MUST indicate sample type	
☐ Unprocessed Ore	
☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING	
☐ 11(e)2 Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	

Matrix Codes

A - Air	W - Water
S - Solids	V - Vegetation
B - Biosassay	O - Oil
DW - Drinking Water	

Analysis Requested

☒ Solids, Total Suspended (A2540D)	☒ pH (A4500-H B)	☒ Chemical Oxygen Demand (E410.4)	☒ Nitrogen, Nitrate + Nitrite (E353.2)	☒ Nitrogen, Total Kjeldahl (E351.2)	☒ Phosphorus, Total (E365.1)	☒ Metals by ICP/ICPMS, Total (E200.7.8)	☒ E1664A Oil & Grease (E1664A)
--	--	---	--	---	--	---	--

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling - See Instructions Page

Sample Identification (Name, Location, Interval, etc.)	Collection	
	Date	Time
1 001A	06/03/2024	3:55 pm
2 002A	06/03/2024	3:30 pm
3 001B	06/03/2024	4:15 pm
4 002B	06/03/2024	3:00 pm
5		
6		
7		
8		
9		

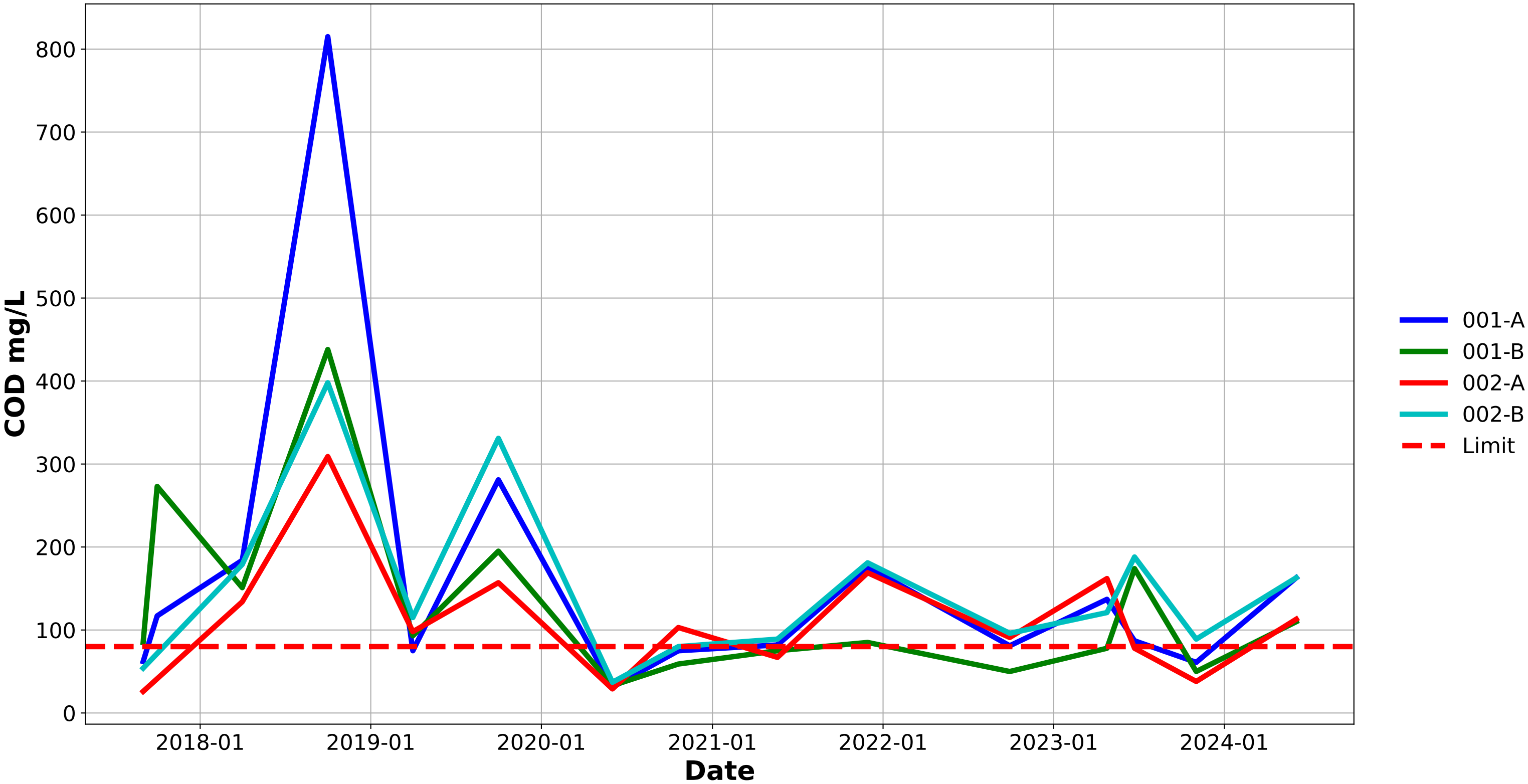
Matrix Codes	Number of Containers (See Codes Above)	Analysis Requested								See Attached	RUSH TAT	ELI LAB ID Laboratory Use Only
		☒ Solids, Total Suspended (A2540D)	☒ pH (A4500-H B)	☒ Chemical Oxygen Demand (E410.4)	☒ Nitrogen, Nitrate + Nitrite (E353.2)	☒ Nitrogen, Total Kjeldahl (E351.2)	☒ Phosphorus, Total (E365.1)	☒ Metals by ICP/ICPMS, Total (E200.7.8)	☒ E1664A Oil & Grease (E1664A)			
	6	W	☒	☒	☒	☒	☒	☒	☒			H24060194
	6	W	☒	☒	☒	☒	☒	☒	☒			
	6	W	☒	☒	☒	☒	☒	☒	☒			
	6	W	☒	☒	☒	☒	☒	☒	☒			

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.

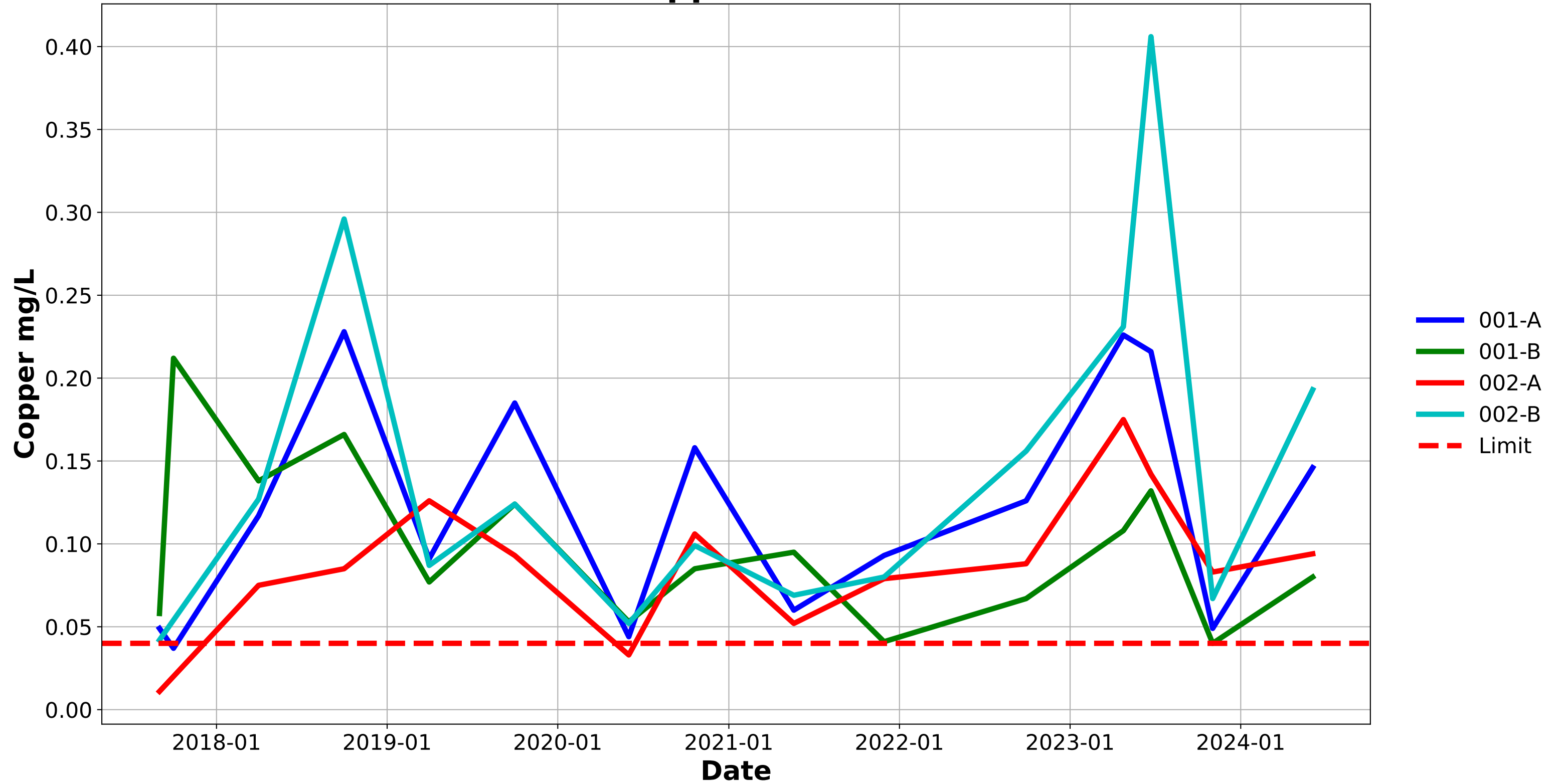
Custody Record MUST be signed	Relinquished by (print) Dylan Livingston	Signature	Received by (print) Shari Kelley	Signature	Date/Time 6/6/24 1030	Signature
	Relinquished by (print)	Signature	Received by Laboratory (print) Rebecca Drake	Signature	Date/Time 6-6-24 1206	Signature
Shipped By hand	Cooler ID(s) 4	Custody Seals Y N C B	Intact Y N	Receipt Temp 61.3 °C	Amount \$	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

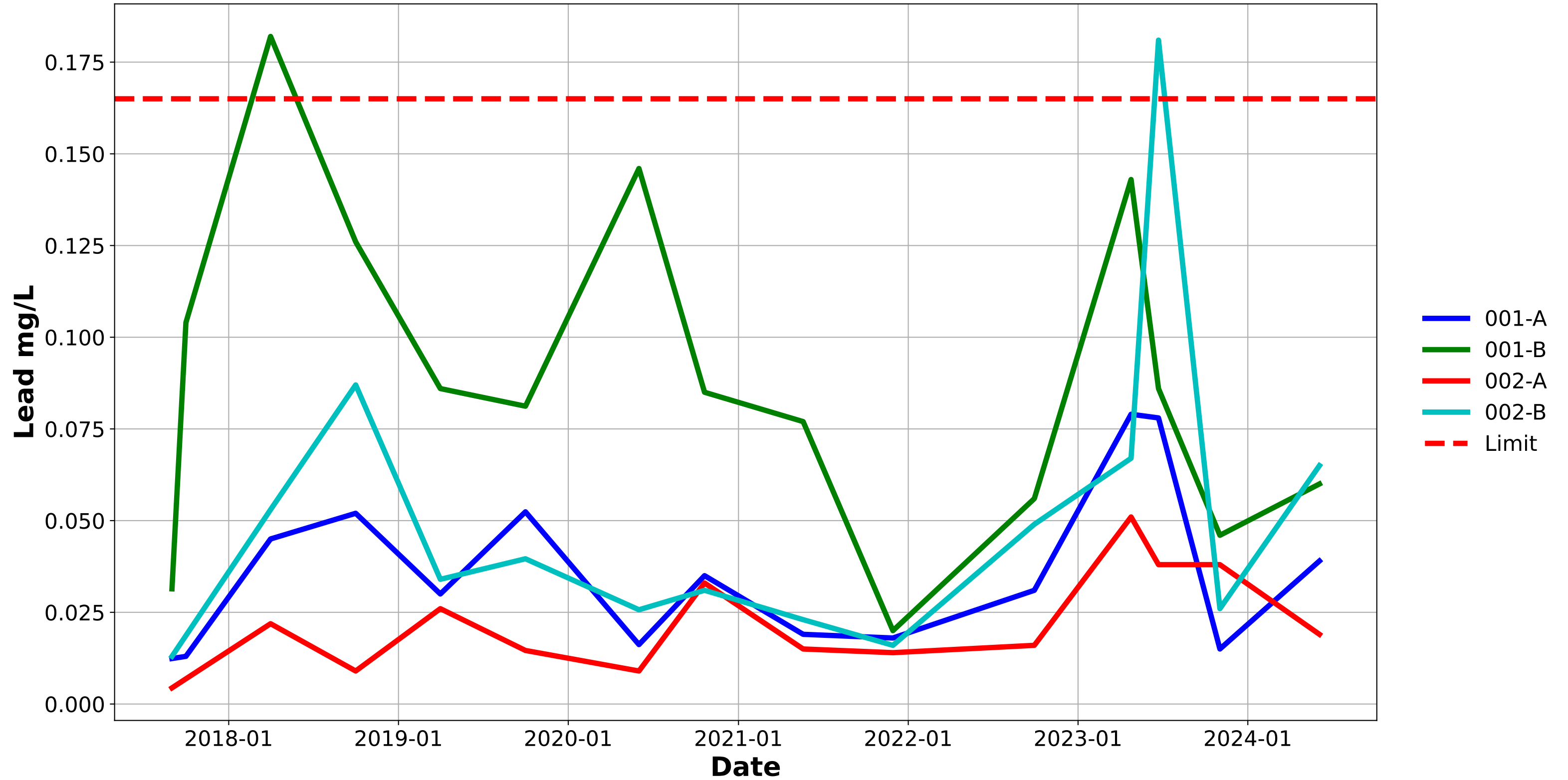
BSB MS4 COD Concentration



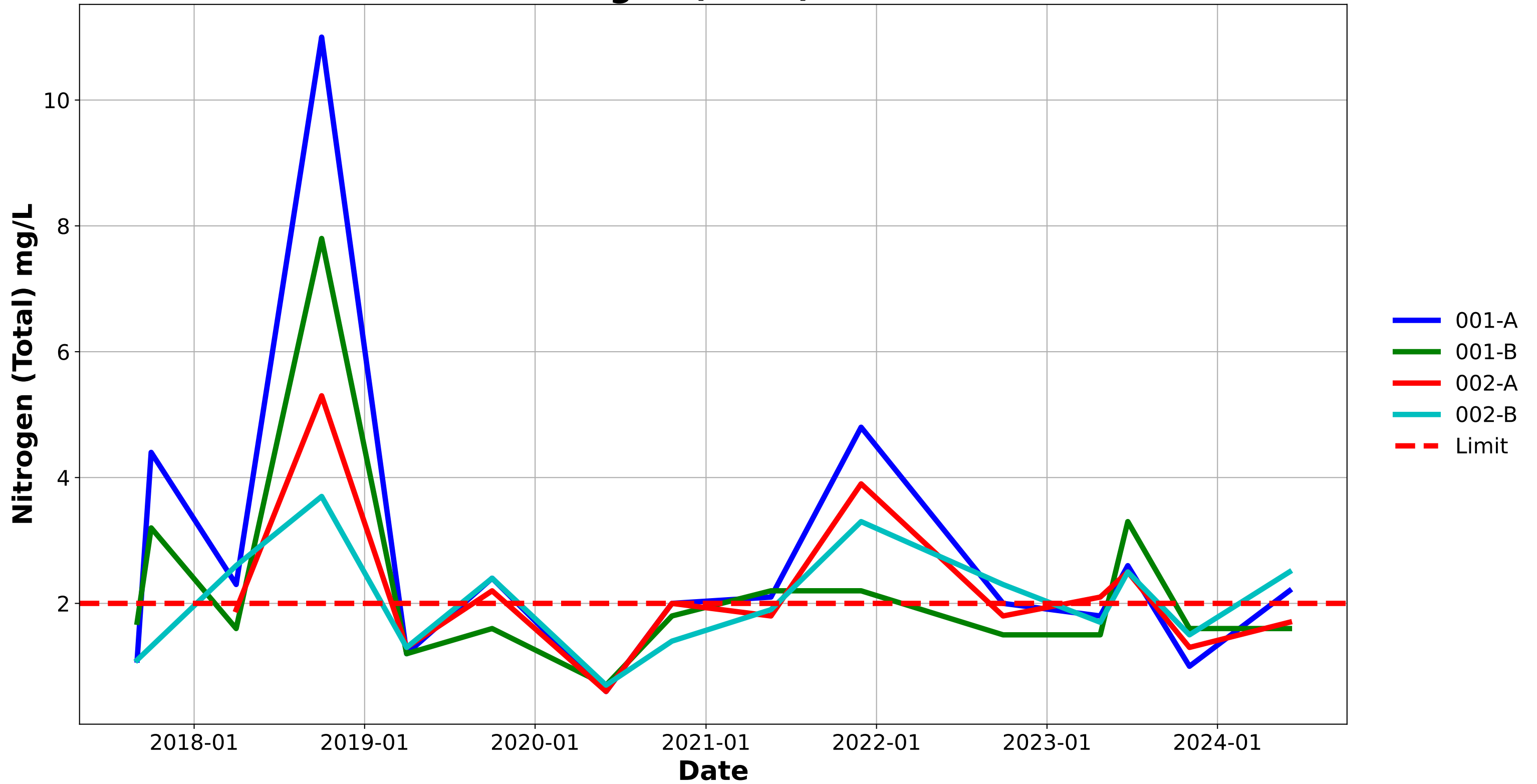
BSB MS4 Copper Concentration



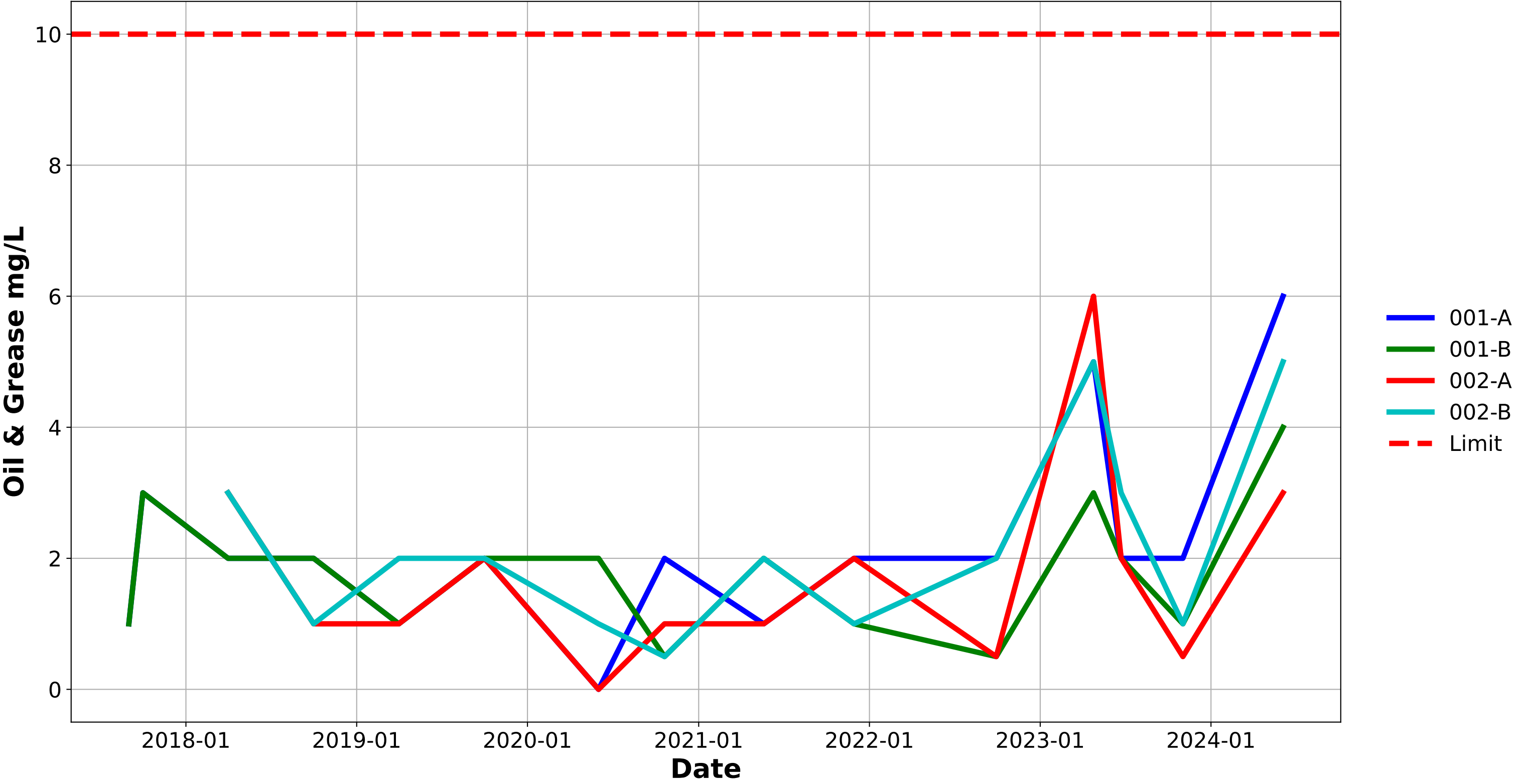
BSB MS4 Lead Concentration



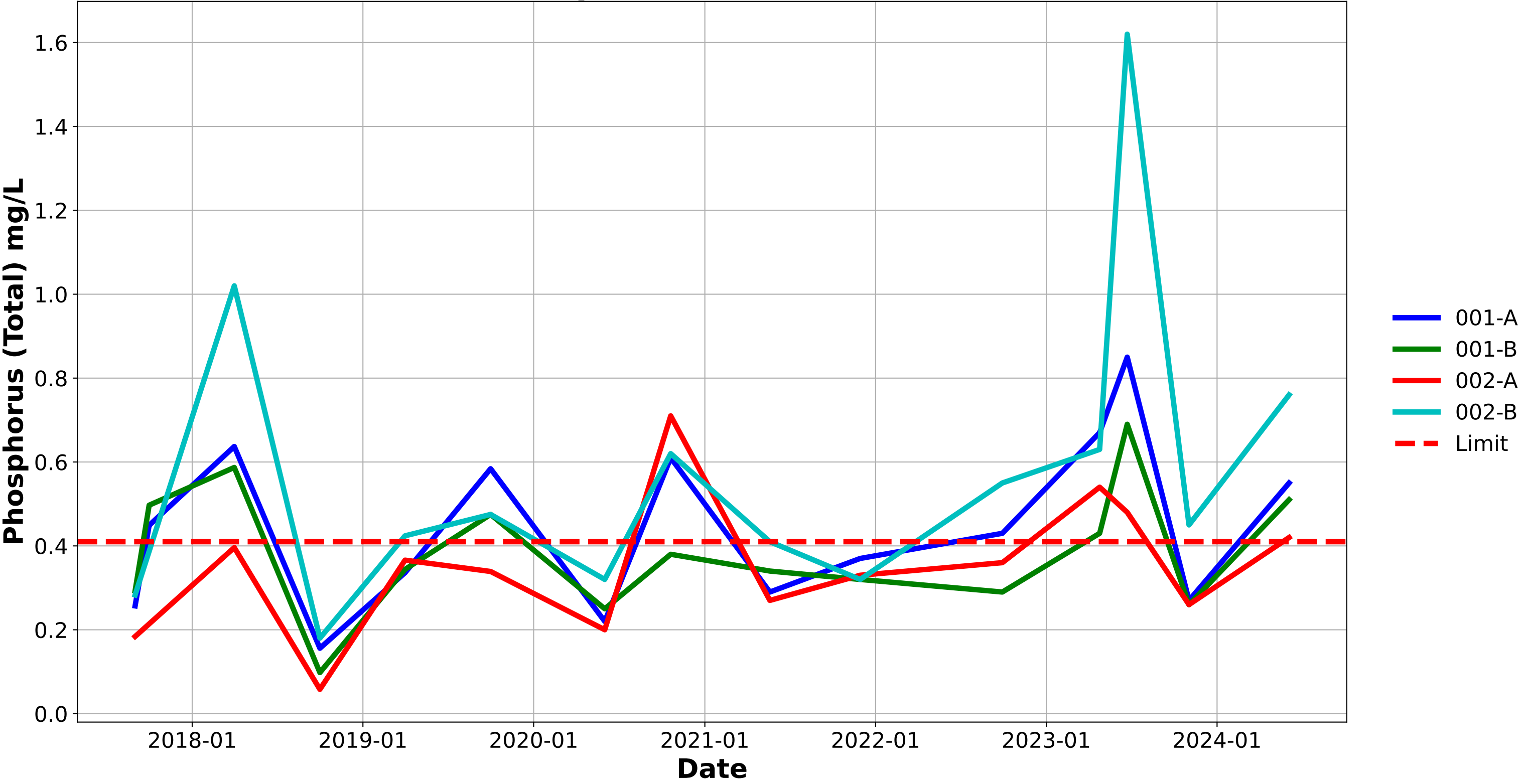
BSB MS4 Nitrogen (Total) Concentration



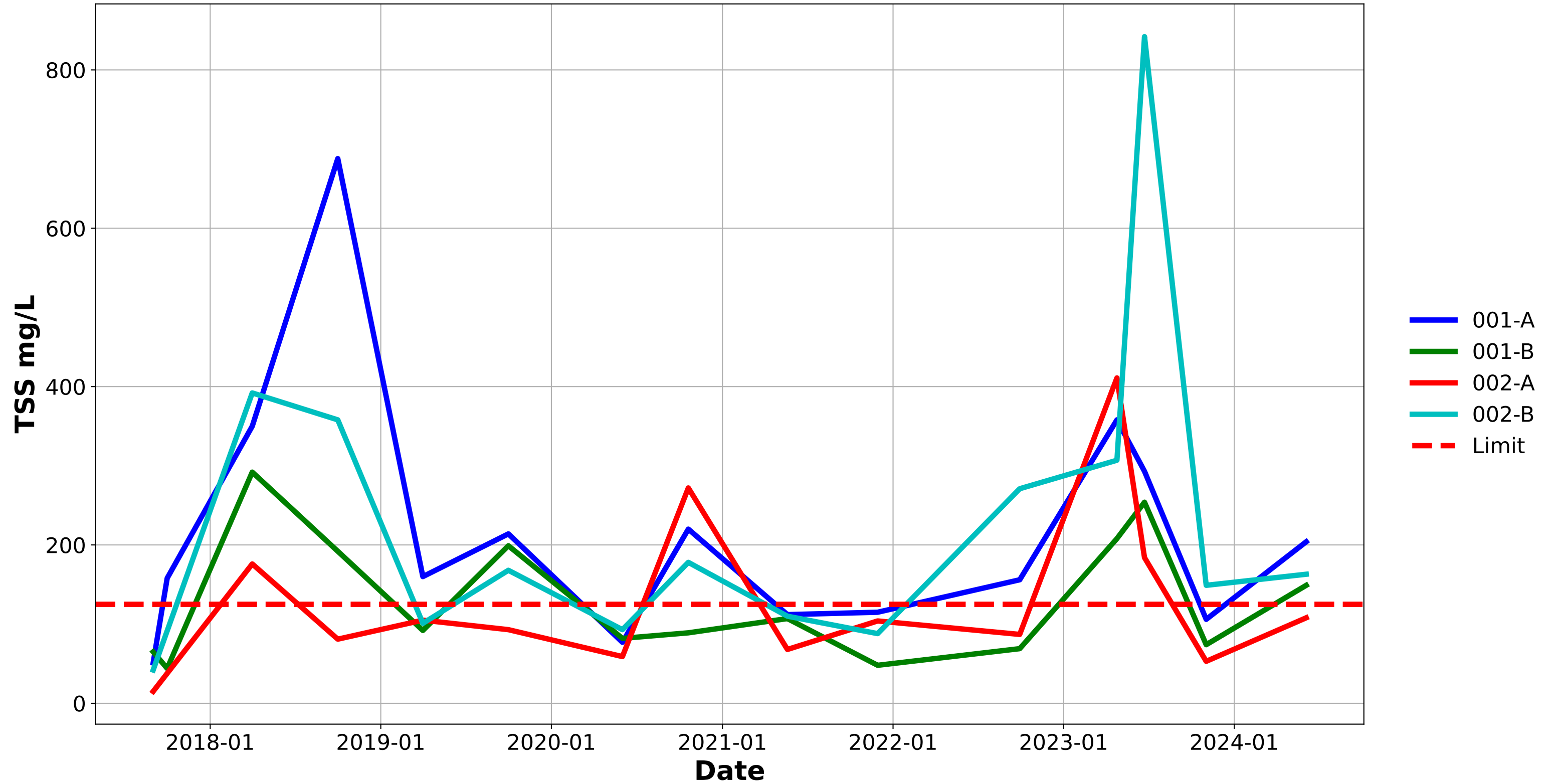
BSB MS4 Oil & Grease Concentration



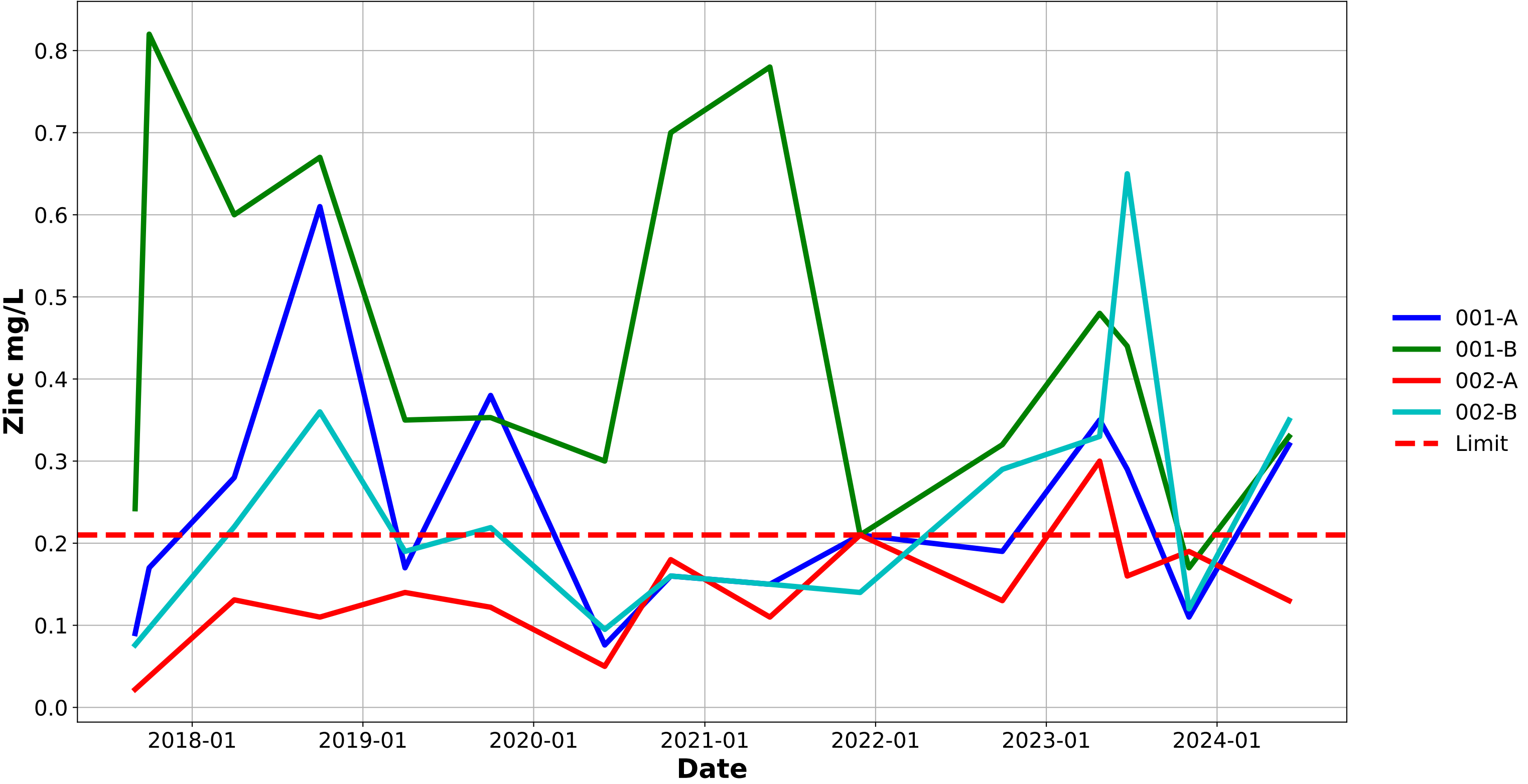
BSB MS4 Phosphorus (Total) Concentration



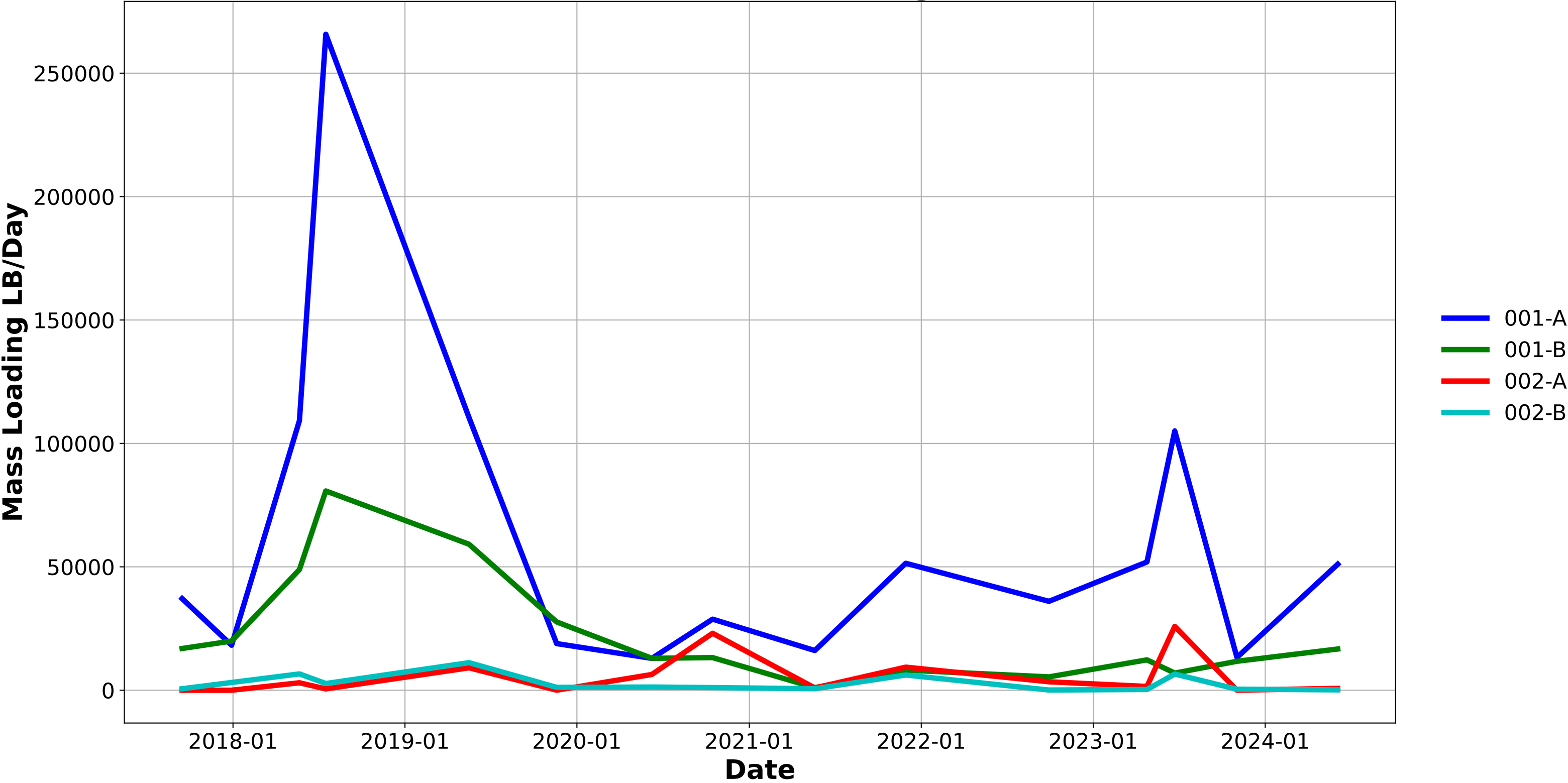
BSB MS4 TSS Concentration



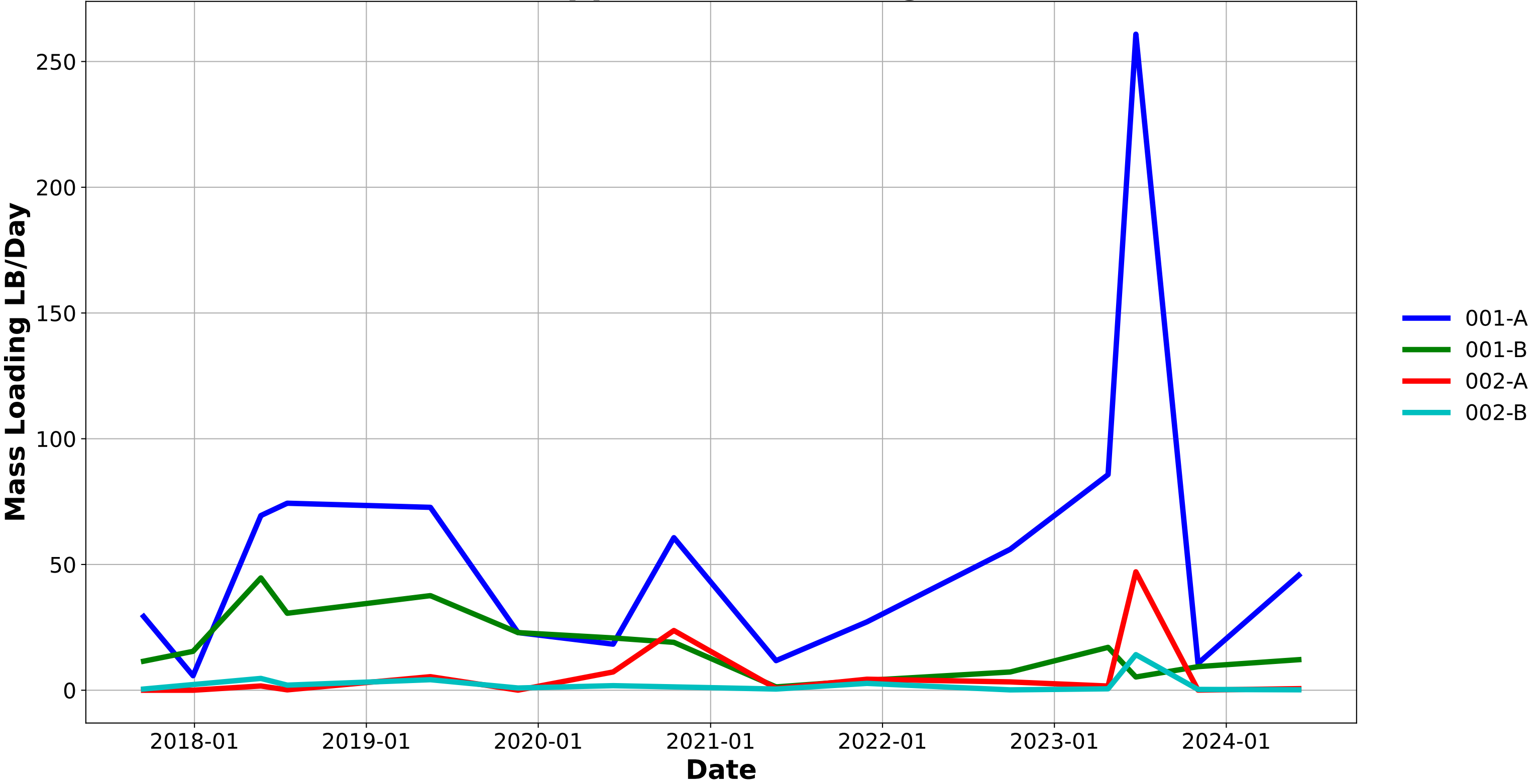
BSB MS4 Zinc Concentration



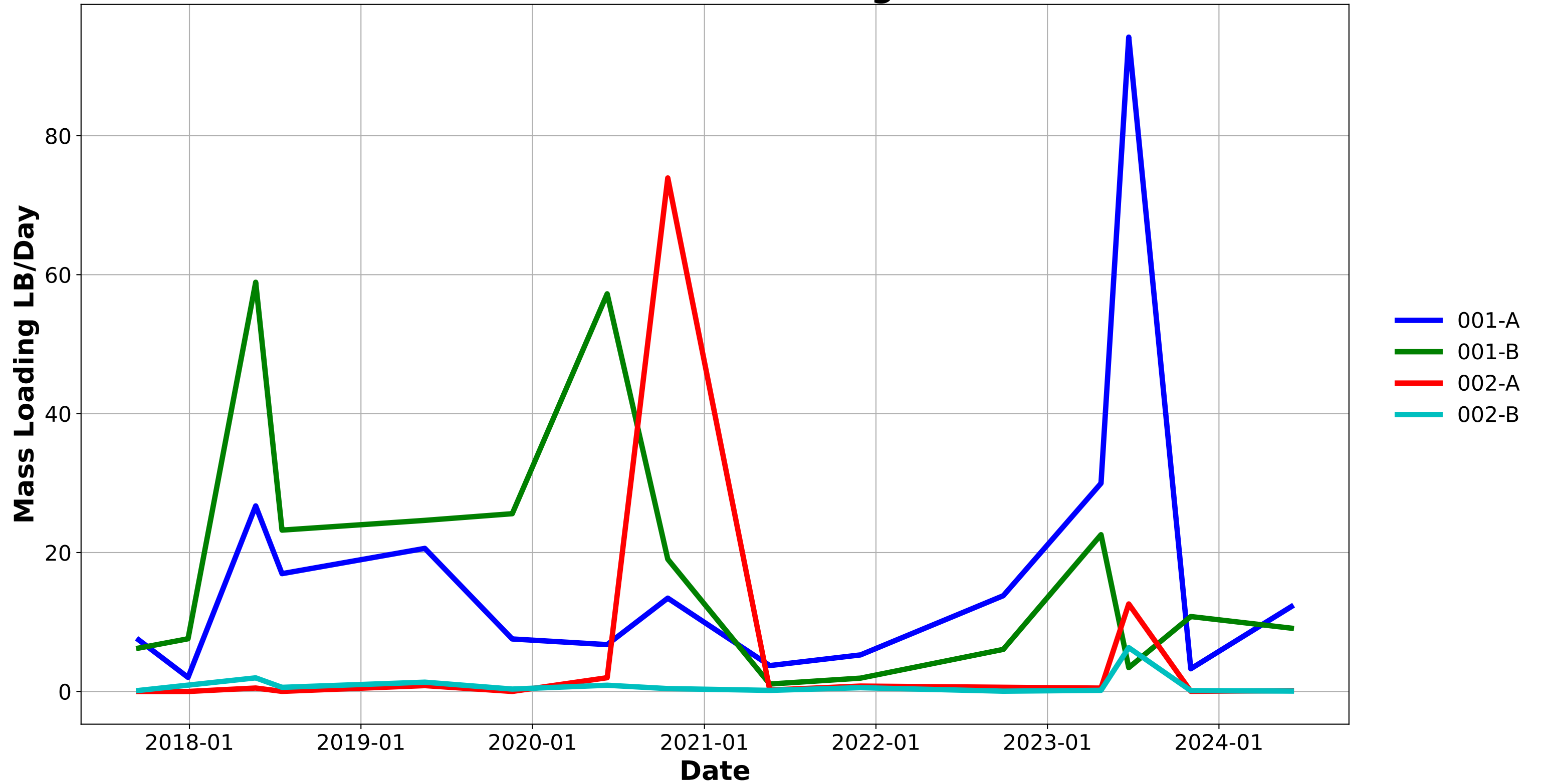
COD Mass Loading



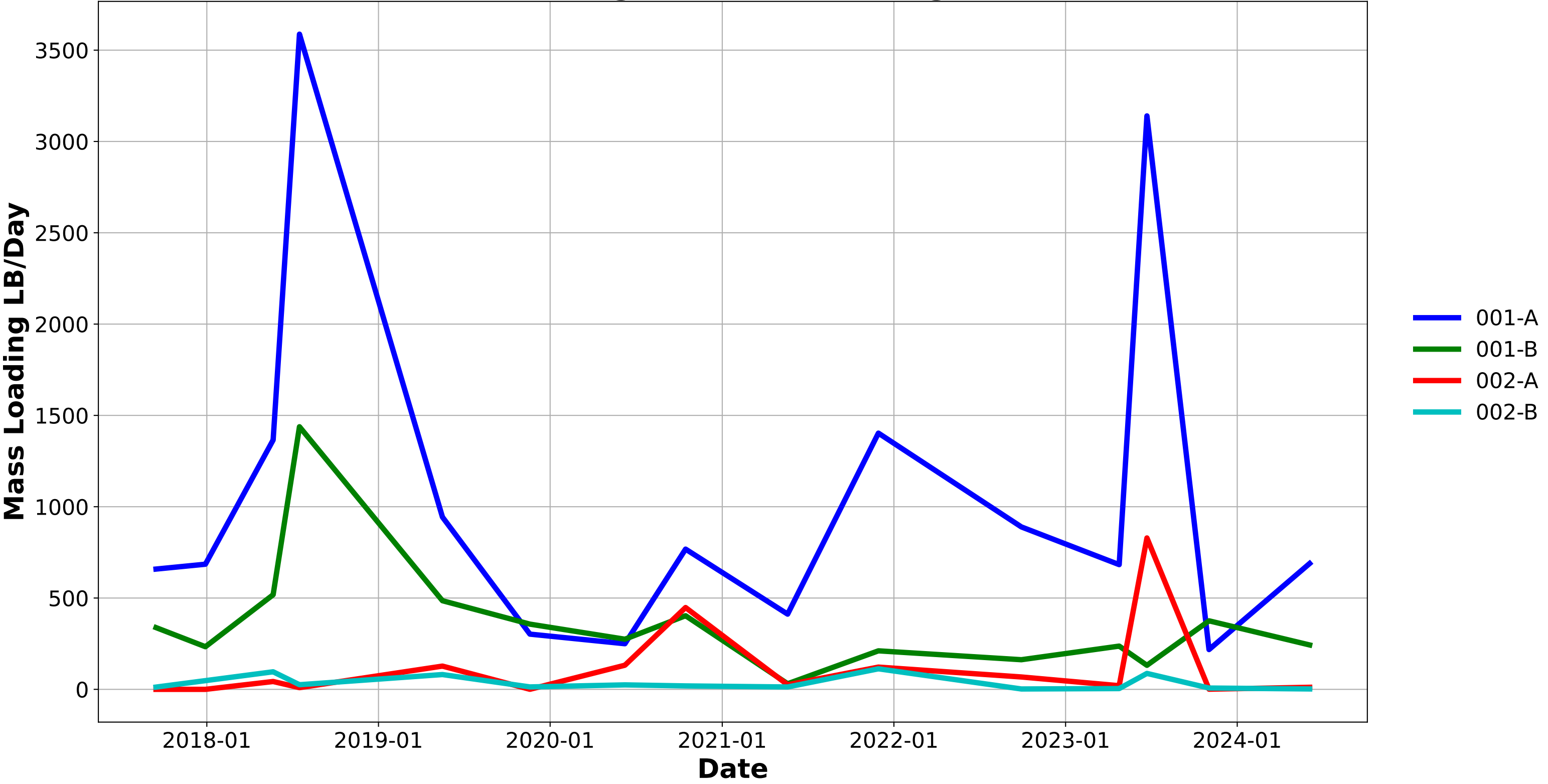
Copper Mass Loading



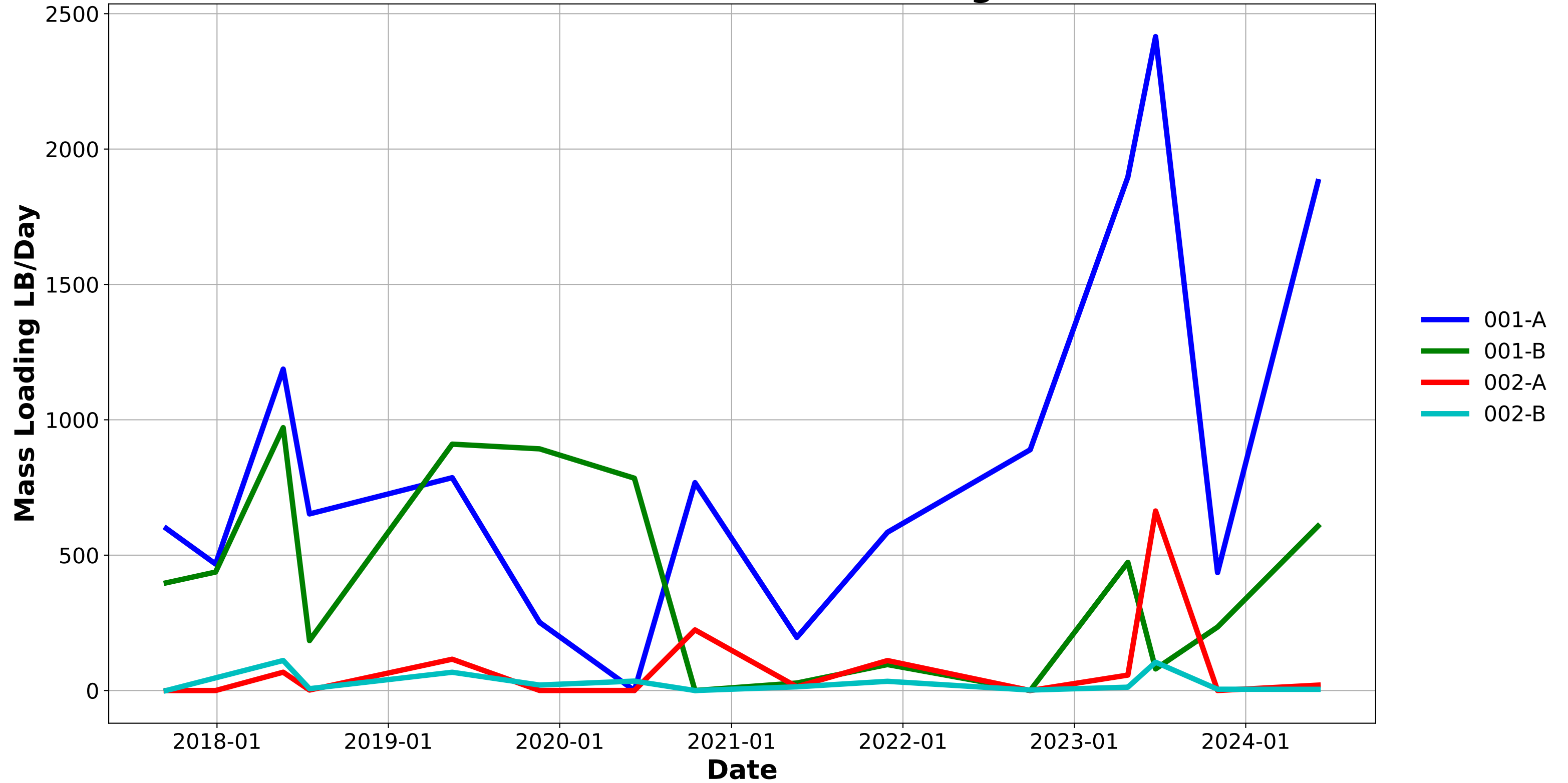
Lead Mass Loading



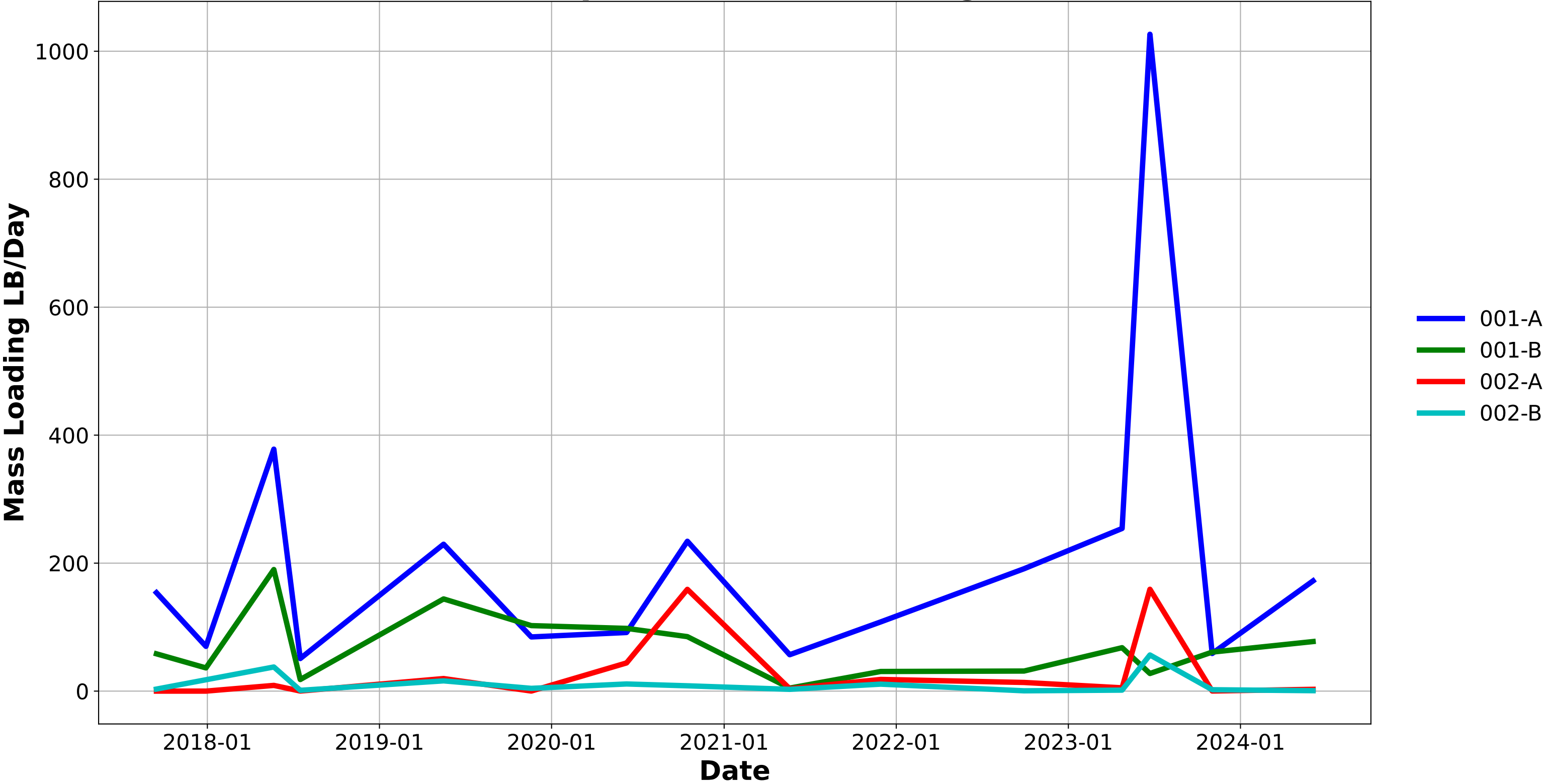
Nitrogen Mass Loading



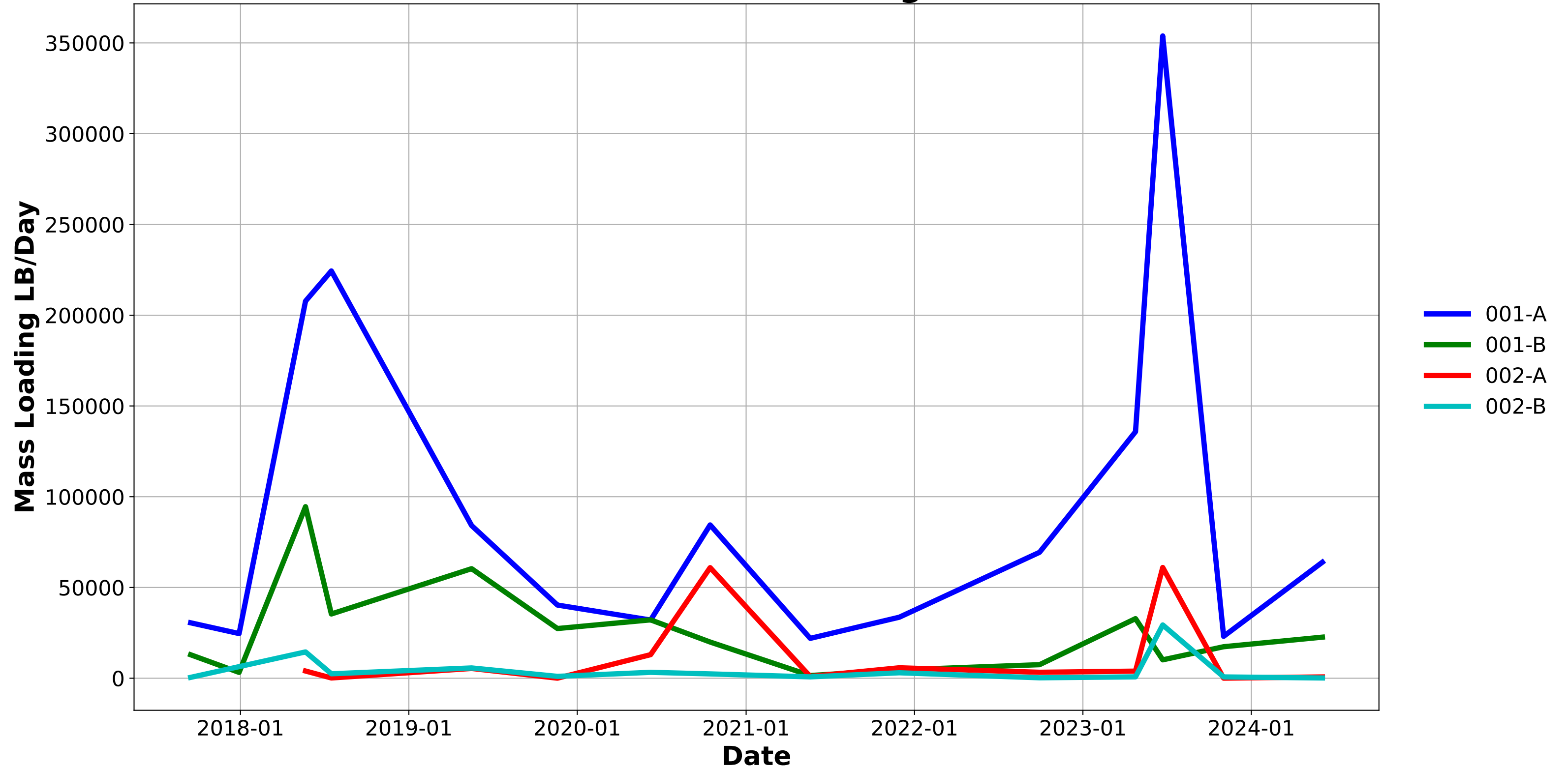
Oil & Grease Mass Loading



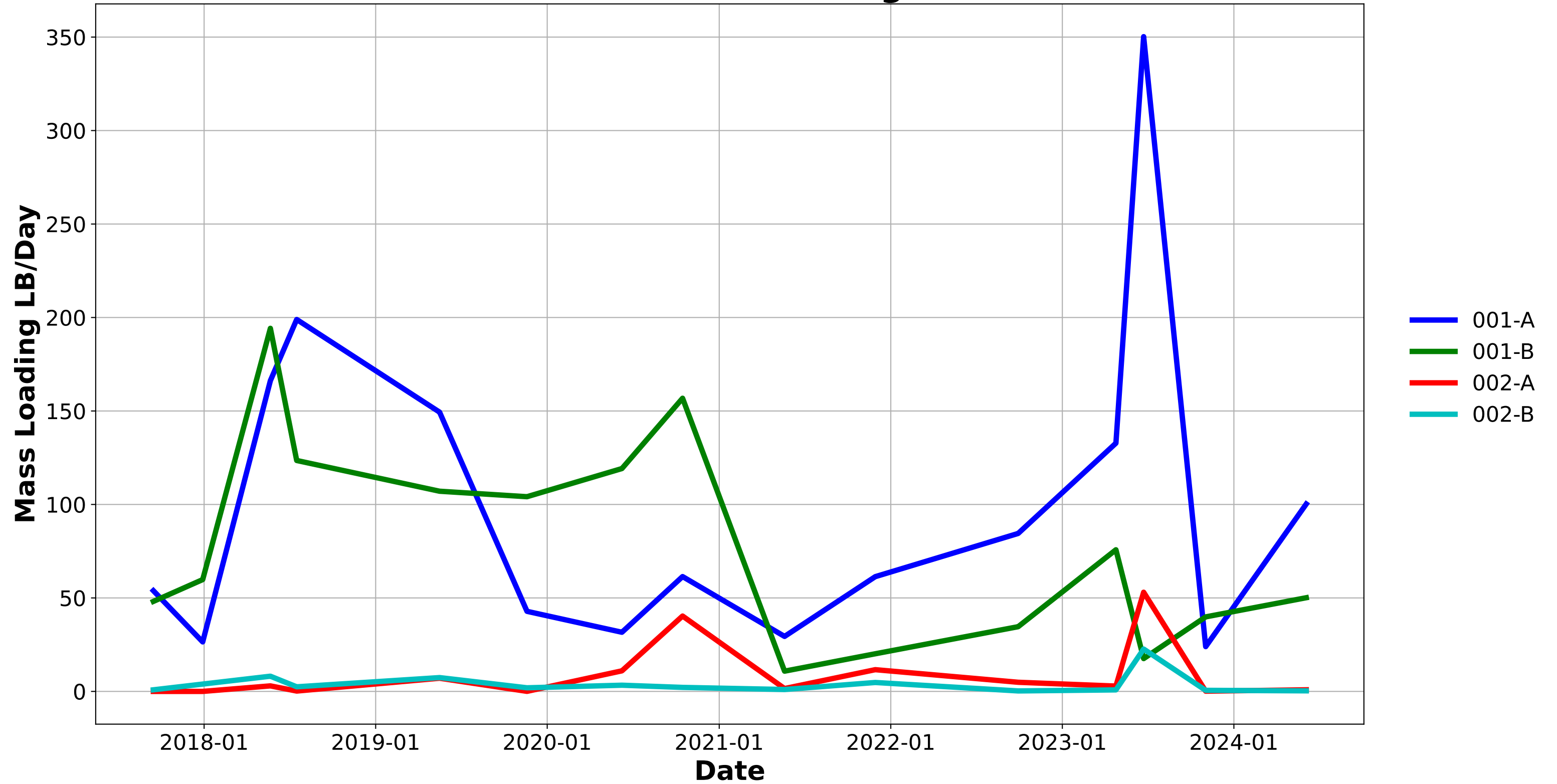
Phosphorus Mass Loading



TSS Mass Loading



Zinc Mass Loading



Appendix J

BMPs used to target and reduce discharges to impaired waterbodies

Superfund Monthly Reports

Butte-Silver Bow MS4 Sediment Removal Tracking 2024

Site	Amount Removed	Material Removed	Units	Repository of Removed Material
CB1	176	Sediment	yd3	MWR
CB2			yd3	
CB3			yd3	
CB4	160	Sediment	yd3	MWR
CB5	130	Sediment	yd3	MWR
CB6	22	Sediment	yd3	MWR
CB7			yd3	
CB8	30	Sediment	yd3	MWR
CB9	11	Sediment	yd3	MWR
CB10			yd3	
CB11			yd3	
DD1			yd3	
DD2			yd3	
DD3			yd3	
DD4			yd3	
DD5			yd3	
DD6			yd3	
DD7			yd3	
DD8			yd3	
DD9	16	Sediment	yd3	MWR
DD10			yd3	
DD11			yd3	
DD12			yd3	
DD13			yd3	
DD14			yd3	
DD15	20	Sediment	yd3	MWR
DD16	43	Sediment	yd3	MWR
DD17			yd3	
HD1	30	Sediment	yd3	MWR
HD2	30	Sediment	yd3	MWR
HD3	54	Sediment	yd3	MWR
HD4	76	Sediment	yd3	MWR
HD5	66	Sediment	yd3	MWR
BRES 5	46	Sediment	yd3	MWR
BRES 30	14	Sediment	yd3	MWR
BRES 41	28	Sediment	yd3	MWR
BRES 51			yd3	
BRES 60E	15	Sediment	yd3	MWR
BRES 120			yd3	
BRES 150	66	Sediment	yd3	MWR
BRES 2310			yd3	
BRES 57			yd3	
2024 Sediment Removed	1,033	Cu yds		
	1,136	Tons		
BSB Street Sweeping	720	Cu yds		
	792	Tons		
Total Sediment Removed	1,753	Cu yds		
	1,928	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 -	1,928	
Percent of WLA Removed -	340%	



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

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Daryl Reed, State Project Officer
Remediation Division
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1595 Wynkoop Street
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Jonathan Morgan
Chief Remediation Counsel
Remediation Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: December 2024 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 2024.

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 – December 2024

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 2024.

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 this month occurred on stormwater structures. See Section B. Storm Water Operations and Maintenance Activities below for details of the work performed.

BRES Program. BSB Staff distributed the Final 2023 BPSOU BRES Field Evaluation Summary and Technical Recommendations Report and the Final 2023 Corrective Action Plans for Reclaimed Sites on November 12, 2024. BSB Staff also submitted the 2024 BRES Field Summary Report on November 15, 2024. 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 2024, no weed control was performed.

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. BSB 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 11 Excavation and Dirt-Moving Permits during the month of December; two within the BPSOU:

- 655 S. Jackson – new water and sewer services
- 1039 Iowa Avenue – water service

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB4 – Removal of sediment from catch basin and ditch and disposed of at the MWR.
- CB1 – Removal of sediment from catch basin and swale and disposed of at the MWR.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 2024:

- Received and currently reviewing the Butte Priority Soils Operable Unit Draft Leak Infiltration Evaluation.
- Received and reviewed the Butte Priority Soils Operable Unit (BPSOU) Draft Final Butte Treatment Lagoon (BTL) Groundwater Treatment System Routine Operations, Maintenance, and Monitoring (OM&M) plan.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Twenty-six new property requests were received, and 21 were digitized, attributed, and appended to the production layer.
 - Fourteen data validation maps were created from this year's field sampling.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
- Continued Education
 - Attended monthly MAGIP (Montana Association of GIS Professionals).
 - Local Government (GIS) meeting.
- Other Projects
 - Continued work on the Mine Claims project.
- 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, 161 users visited BPSOU.com. BSB staff attended the BPSOU Remedial

Design/Remedial Action Progress Meeting on December 3rd. EPA Public Meeting on the Proposed Plan to Amend the Remedial Action for the Butte Priority Soils Operable Unit on November 18th and the RMAP UAO Progress Meeting on November 19th.



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 9, 2024

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Erin Agee
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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: January 2024 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 2024.

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 – January 2024

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 2024.

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 drop inlets to direct proper stormwater flow. Snow taken to snow storage site. Removal of mine waste from subsidence investigation and disposed of at the MWR.
- BRES Site 78 – Removal of snow from drop inlets to direct proper stormwater flow. Snow taken to snow storage site.
- BRES Site 83F – Demolition of staircase for subsidence investigation. Staircase was stored for future reconstruction. Temporary backfill of subsidence issue using EPA approved fill.
- Staging and stock piling of wooden jack leg fence, chain link fence, boulders, concrete jersey barriers, 6-inch minus, and 12-inch minus for future projects.
- Snow plowing and shoveling of various sidewalks and public thoroughfares.

BRES Program. BSB Staff submitted the 2023 BRES Corrective Action Plans on January 31, 2024. The 2023 BRES Summary Report was submitted 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 January 2024, 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 eight Excavation and Dirt-Moving Permits during the month of January; four within the BPSOU:

- 326 S. Jackson – excavation of sidewalk and driveway
- 544 W. Broadway St. – NorthWestern Energy electric service
- 533 W. Park St. – replace sewer service
- 1113 S. Wyoming – emergency water service

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB8 – Removal of snow and ice from inlet structure with hand tools and weed burner.
- Removal of snow from various drop inlet structures and taken to snow storage site.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 January 2024:

- Received and reviewed Butte Mine Flooding monthly report for December 2023.
- Received and reviewed 2023 Berkeley Pit Model Update.
- Received and reviewed the resubmittal of the BPSOU Uncontrolled Surface Flow Areas (USFA) Remedial Design Work Plan, Pre-Design Investigation Work Plan, and Soils Characterization Quality Assurance Project Plan.
- Received and reviewed the final version of the 2024 BMFOU/BPSOU/MT Pole QUAPP and 2024 Crosswalk.
- 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
 - Digitized, attributed, and georeferenced 87 historic RMAP properties.
 - Six field maps for data validation completed.

- Twelve property requests received, and all were digitized, attributed, and appended to the production layer.
- GIS coordination meeting regarding workflows for the upcoming sample season and planning for future projects.
- RMAP model follow up meeting regarding the status of the Model Builder.
- BRES Program
 - BRES proposed boundary layer created and implemented into the Reclamation Map Series.
- Attended weekly GIS team meetings.
- Attended monthly local government GIS meeting.
- Attended meeting pertaining to Esri basemap issues.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned code to move information between a related table and a feature class.
- Began working on the Mining Claims Data Cleanup project.
- Data set for Enterprise 11.1 upgrade to the production environment.
- 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, 171 users visited BPSOU.com for a total of 101 sessions.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
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March 8, 2024

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BSB Personnel
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Monthly Report – February 2024

Butte Priority Soils Operable Unit

Silver Bow Creek/Butte Area Superfund Site

Civ. Action No. 89-039-BU-SEH

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- BRES Site 60 – Removal of snow from ditch and taken to snow storage site.
- BRES Site 29 – Removal of snow from ditch and taken to snow storage site.
- BRES Site 60E – Removal of snow from sediment trap and taken to snow storage site.
- BRES 71 – Removal of snow from drop inlet structure and taken to snow storage site.
- BRES Site 136 – Placement of boulders on site edge to prevent vehicular access onto site.
- Staging and stock piling of 6-inch minus and 12-inch minus for future projects.
- Snow plowing and shoveling of various sidewalks and public thoroughfares.

BRES Program. BSB Staff submitted the 2023 BRES Corrective Action Plans on January 31, 2024. The 2023 BRES Summary Report was submitted 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.

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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 23 Excavation and Dirt-Moving Permits during the month of February; 13 within the BPSOU:

- 223 N. Alabama – retaining wall replacement
- 705 E. Iron – right of way for Mission Fiber
- 7 S. Excelsior – water service
- Broadway and Main – footing for electric vehicle charging station
- 169 S. Warren – water main
- 1121 W. Silver – sewer service

- 400-500 Blocks of N. Wyoming/100 Block of E. Copper – NorthWestern Energy gas main
- 100 Block of Missoula Ave. - NorthWestern Energy gas main
- 200 Block Missoula Ave. - NorthWestern Energy gas main
- 100 Block Missoula Ave. - NorthWestern Energy gas main
- 130 E. Park St. – retire gas service
- 500 Block of N. Main/100 Blocks of E. Woolman and E. Gagnon - NorthWestern Energy gas main
- 700 Block of N. Wyoming - NorthWestern Energy gas main

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- HD1 – Removal of snow from drop inlet structure and taken to snow storage site.
- Removal of snow from various drop inlet structures and ditches and taken to snow storage site.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 February 2024:

- Received and reviewed the Berkeley Pit and Discharge Pilot Project Work Plan (Pilot Project Work Plan) Annual Update.
- Received and reviewed the BPSOU Site-Wide Groundwater 2nd Semester 2023 report.
- Received and reviewed the Butte Mine Flooding monthly report for January 2024.
- Received and reviewed the Butte Mine Flooding Operable Unit 2023 Fourth Quarter Report.
- 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
 - Digitized, attributed, and georeferenced 101 historic RMAP properties.
 - Twenty-four property requests were received, and all were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - Meeting date set to process and organize historical Reclamation maps.
- Attended weekly GIS team meetings.
- Attended monthly local government GIS meeting.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned code to move common data from feature class to feature class based on shared boundaries.
- Began and completed VFD maps.
- Continued work on the Mining Claims Data Cleanup project.
- Enterprise production environment upgraded 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 February, 194 users visited BPSOU.com for a total of 239 sessions.



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, 2024

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Jonathan Morgan
Chief Remediation Counsel
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P.O. Box 200901
Helena, MT 59620-0901

RE: March 2024 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 2024.

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 2024

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 2024.

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 2390 – Compaction of road mix on newly constructed walking trail. Broadcast seeding of newly constructed area with EPA approved seed mix. Placement of boulders around newly constructed walking trail to prohibit foot traffic in other areas of site.
- BRES Site 2330 – Repair of rill identified during site evaluation using road mix. Seeding of repaired area with EPA approved seed mix. Placement of boulders to direct pedestrian traffic on site.
- BRES Site 70 – Addition of EPA approved cover soil to sparsely vegetated area identified on site. Seeding of sparsely vegetated area with EPA approved seed mix.
- BRES 2350 – Established walking trail using road mix and placement of boulders to control pedestrian foot traffic. Broadcast seeding of newly constructed area with EPA approved seed mix.
- BRES Site 152 – Removal of waste and taken to MWR.
- BRES Site 2310 – Removal of waste and taken to MWR.
- BRES Site 2340 – Addition of EPA approved soil to sparsely vegetated area identified on site. Seeding of sparsely vegetated area with EPA approved seed mix.
- Staging and stock piling of 6-inch minus and road mix for future projects.

BRES Program. BSB Staff submitted the 2023 BRES Corrective Action Plans on January 31, 2024. The 2023 BRES Summary Report was submitted 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 March 2024, 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 23 Excavation and Dirt-Moving Permits during the month of March; seven within the BPSOU:

- 826 S. Dakota St. – water service
- 854 S. Main St. – water service
- 705 W. Park St. – water service
- 817 S. Dakota St. – garage demolition
- 923 California Ave. – concrete sidewalk
- 1040 W. Porphyry St. – sewer service
- W. Diamond & Girard – water/sewer

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 March 2024:

- Received and reviewed the Berkeley Pit and Discharge Pilot Project Quarterly Report, Third Quarter 2023, Revision 1.
- Received and currently reviewing Butte Priority Soils Operable Unit Grove Gulch Sedimentation Bay 100% Remedial Design.
- Received and reviewed the Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – First Quarter 2022.
- Received and reviewed the Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Second Quarter 2022.

- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Berkeley Pit and Discharge Pilot Project February 2024 Discharge Monitoring Report (DMR).

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Digitized, attributed, and georeferenced 92 historic RMAP properties.
 - Thirty property requests were received, and all were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
- Meeting with Abby Peltomaa regarding historical paper maps from previous decades.
 - Forty maps scanned and organized into the Historical Maps folder.
- Attended weekly GIS team meetings.
- Attended monthly local government GIS meeting.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned about the applications of SAR satellite imagery within GIS.
- Continued work on the Mining Claims Data Cleanup project.
- 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, 357 users visited BPSOU.com for a total of 439 sessions.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Data & Outreach Manager

Ph: 406-497-5045 E-Mail: apeltomaa@bsb.mt.gov

May 10, 2024

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Daryl Reed, State Project Officer
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Jonathan Morgan
Chief Remediation Counsel
Remediation Division
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RE: April 2024 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 2024.

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 2024

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 2024.

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:

- BRES Site 5 – Broadcast seeding of area with EPA approved seed mix. Removal of sediment from ditch and disposed of at the MWR. Excavation to install stormwater ditch to prevent sediment deposition on site from roadway.
- BRES Site 60 – Excavation of materials for subsidence investigation. Repair of cap using limerock, EPA approved fill material and topsoil following subsidence investigation. Broadcast seeding of area with EPA approved seed mix.
- Staging and stock piling of 12-inch minus and EPA approved soil for future projects.

BRES Program. BSB Staff submitted the 2023 BRES Corrective Action Plans on January 31, 2024, and the 2023 BRES Summary Report was submitted on November 15, 2023. Comments were received from the agencies on March 15th, 2024. BSB Staff are currently drafting a response to comments. 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 April 2024, 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 33 Excavation and Dirt-Moving Permits during the month of April; four within the BPSOU:

- 219 William St. – removing weeds and fixing landscaping
- 202 N. Main – Fatbeam fiber optics
- 605 W. Silver St. – replace front porch
- 413 N. Washington - water service

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD16 – Removal of sediment from 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 and 2023 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 April 2024:

- Received and reviewed the Berkeley Pit and Discharge Pilot Project Discharge System Field Sampling Plan (FSP), 2024 Update.
- Received and reviewed the February 2024 Berkeley Pit Migratory Waterfowl Protection Report.
- Received and reviewed the Berkeley Pit and Discharge Pilot Project Quarterly Report, Fourth Quarter 2023.
- Received and reviewed the Pilot Project Quality Assurance Project Plan (QAPP) 2024 Update.
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Monthly Report for March 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Digitized, attributed, and georeferenced 78 historic RMAP properties.
 - Twenty property requests were received, and all were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.

- Completed RAWP revisions.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
- Attended weekly GIS team meetings.
- Attended monthly local government GIS meeting.
- Began the Reclamation Data Transfer project to Enterprise.
- Continued GIS education throughout the month to improve technical skills within the office.
 - Learned about the applications of SAR satellite imagery within GIS.
 - Attended MAGIP Geo Conference. Topics included but were not limited to Hydrologic Modeling, LiDAR, and Photogrammetry.
- 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. Additionally, BSB staff attended the following meetings:

- Silver Bow Creek Conservation Area Remedial Design/Remedial Action Progress Meeting on April 2nd, 2024, and March 5th, 2024
- RMAP UAO Progress Meeting on April 9th, 2024, and on March 12th, 2024
- Butte Superfund Site Remedial Design/Remedial Action Meeting on April 23rd, 2024
- Repository Siting Study Committee Meeting on March 28th, 2024



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
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June 10, 2024

Molly Roby & Emma Rott
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RE: May 2024 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 2024.

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 2024

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 2024.

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 5 – Addition of 6-inch minus to ditch for erosion control. Addition of EPA approved soil to area. Broadcast seeding of EPA approved seed mix to sparsely vegetated area.
- BRES Site 60E – Removal of sediment from ditch and disposed of at the MWR.
- BRES Site 41 - Removal of sediment from ditch and disposed of at the MWR.

BRES Program. BSB Staff submitted the Revised 2023 BRES Corrective Action Plans and the Revised 2023 BRES Summary Report on May 21st, 2024. 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 May 2024, 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 32 Excavation and Dirt-Moving Permits during the month of May; 11 within the BPSOU:

- 825 17th St. – demolition of retaining wall and other landscaping
- 705 W. Park St. – gas service
- 23 ½ W. Woolman St. – emergency sewer
- 1155 W. Porphyry St. – landscaping, removal of stone wall
- 220 W. Mercury – emergency water service
- 641 W. Park St. – removal of concrete floor
- 438 S. Idaho St. – new house
- 732 North St. – demolition and replacement of fence
- 1215 W. Copper St. – sidewalk replacement
- 1225 W. Copper St. - sidewalk replacement
- 1233 W. Copper St. - sidewalk 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 May 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- HD5 – Removal of sediment from HDD and disposed of at the MWR.
- HD4 - Removal of sediment from HDD and disposed of at the MWR.
- HD1 - Removal of sediment from HDD 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 and 2023 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 2024:

- Received and reviewed the Draft Final 2023 Butte Priority Soils Operable Unit (BPSOU) Subdrain Data Summary Report (DSR).
- Received and reviewed the Discharge System 2023 Annual Operations and Maintenance Report for the Butte Mine Flooding Operable Unit Berkeley Pit and Discharge Pilot Project.
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Berkeley Pit and Discharge Pilot Project April 2024 Discharge Monitoring Report.
- Received and reviewed the Butte Mine Flooding Operable Unit Monthly Report for April 2024.
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) 2024 First Quarter Report.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program

- Digitized, attributed, and georeferenced 67 historic RMAP properties.
- Eighteen property requests were received, and all were digitized, attributed, and appended to the production layer.
- Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - CFWEP 2024 field map created.
 - Weeds field map created.
- Attended weekly GIS team meetings.
- Attended monthly local government GIS meeting.
- Reclamation GIS position SOPs created.
- Continued work on the Reclamation Data Transfer project to Enterprise.
- Continued work on the Mine Claims project.
- 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, 183 users visited BPSOU.com. Additionally, BSB staff presented a progress update on the Remedial Design and Remedial Action activities for the Silver Bow Creek Conservation Area.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
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July 10, 2024

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RE: June 2024 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 2024.

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 2024

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 2024.

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 30 – Removal of sediment from ditch and disposed of at the MWR.
- BRES Site 59 – Mowing of weeds to implement weed control.
- BRES Site 81 – Mowing of weeds to implement weed control. Raking and removal of grass clippings infested with mustards and disposed of at the landfill.
- Removal of sediment leftover from snow storage sites and disposed of at the MWR.

BRES Program. BSB Staff received approval to the Revised 2023 BRES Corrective Action Plans and the Revised 2023 BRES Summary Report on June 28th, 2024. 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 June 2024, weed control was performed on BRES Site 5.

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 55 Excavation and Dirt-Moving Permits during the month of June; 16 within the BPSOU:

- 1209 Britania Blvd. – new build
- 417 E. Galena St. – emergency sewer service
- 1300 W. Park St. – install 6' by 7' concrete box culvert in Montana Tech tunnels
- 814 Travonia St. – new foundation
- 932 W. Woolman – retaining wall
- 932 Zarelda St. – sidewalk replacement
- 140 W. Missoula Ave. – footings for small retaining walls
- 681 S. Alabama Ave. – emergency sewer service
- 1112 E. Second St. – emergency sewer service
- 200 N. Main St. – utility repairs and maintenance

- 537 S. Dakota St. – emergency sewer service
- 125 N. Excelsior Ave. – water service
- 1355 W. Porphyry St. – excavation for 12’ by 18’ greenhouse
- 935 S. Dakota St. – emergency water service
- 212 Opportunity Drive – sewer repair
- 1052 Gaylord – sidewalk and retaining wall

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB6 – Removal of sediment from the catch basin and disposed of at the MWR.
- CB8 – Removal of sediment from the forebay and vault and disposed of at the MWR.
- HD2 – Removal of sediment from HDD and disposed of at the MWR.
- HD3 - Removal of sediment from HDD and disposed of at the MWR.
- DD9 – Removal of sediment from ditch and disposed of at the MWR.
- DD16 - Removal of sediment from 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 and 2023 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 2024:

- Received and reviewed the Pilot Project Quality Assurance Project Plan (QAPP) 2024 Update.
- Received and currently reviewing the Draft Butte Treatment Lagoons (BTL) Stress Test Pre-Design Investigation Work Plan (PDI WP) and Quality Assurance Project plan (QAPP).
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Berkeley Pit and Discharge Pilot Project May 2024 Discharge Monitoring Report.

- Received and reviewed the Butte Mine Flooding Operable Unit Monthly Report for May 2024.
- Received and reviewed the Draft Final Quarterly Operations and Maintenance (O&M) Report Butte Treatment Lagoon (BTL) System – First Quarter 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Digitized, attributed, and georeferenced 69 historic RMAP properties.
 - Thirteen property requests were received, and all were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - CFWEP 2024 field map created.
 - Weeds field map created.
- Attended monthly Montana Association of GIS Professionals (MAGIP) Local Government meeting.
- Reclamation GIS position SOPs created.
- Continued work on the Reclamation Data Transfer project to Enterprise.
- Continued work on the Mine Claims project.
- 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 June, 143 users visited BPSOU.com. BSB staff presented a progress update on the Remedial Design and Remedial Action activities for the Silver Bow Creek Conservation Area. Additionally, BSB staff attended the CTEC meeting on June 10th, 2024, and the BPSOU RD/RA Progress Meeting on June 25th, 2024.



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 8, 2024

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Helena, MT 59620-0901

RE: July 2024 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 2024.

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 2024

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 2024.

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 70 – Mowing of undesirable species on site.
- BRES Site 2390 - Mowing of undesirable species on site.
- BRES Site 2380 - Mowing of undesirable species on site.
- BRES Site 2370 - Mowing of undesirable species on site.
- BRES Site 2360 - Mowing of undesirable species on site.
- BRES Site 2350 - Mowing of undesirable species on site.
- BRES Site 2340 - Mowing of undesirable species on site.
- BRES Site 2330 - Mowing of undesirable species on site.
- BRES Site 150 – Sediment removed from stormwater ditch by screening rock. Sediment disposed of at the MWR. Addition of 12-inch minus to ditch for erosion control. Repair of gully identified during site evaluation with the addition of EPA approved soil. Repair of barren areas identified during site evaluation with the addition of EPA approved soil.
- BRES Site 132 – Removal of exposed waste from area identified during site evaluation. Waste disposed of at the MWR. Limerock placed after removal of waste. EPA approved fill material and cover soil imported in and graded to construct 39-inch cap along site edge where waste removals occurred. Importation and grading of EPA approved cover soil to address barren area along site edge identified during site evaluation. Removal of trash and debris along west site edge identified during site evaluation. Disposed of at the landfill.

BRES Program. BSB Staff received approval to the Revised 2023 BRES Corrective Action Plans and the Revised 2023 BRES Summary Report on June 28th, 2024. 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 July 2024, weed control was performed on the following BRES sites: 177E, 177, 177N, 11, 9, 18, 4, 5, 174, 56, 55, 54, 53, 171, 30, 21, 20, 29, 29N, 19, and 17.

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 43 Excavation and Dirt-Moving Permits during the month of July; 14 within the BPSOU:

- 519 N. Montana St. – electrical trench
- 1100 Ryan Rd. – utility trench for solar panels
- 809 W. Silver St. – replacement of retaining wall
- 625 W. Mercury St. – build new triplex
- 2562 Washoe St. – water service replacement
- 427 S. Excelsior Ave. – replacing failing foundation wall
- W. Mercury & S. Clark – water and sewer services
- 608 S. Jackson – water and sewer services
- 1122 Lewisohn St. – excavation for addition
- 10 S. Main St. – excavation for entrance area
- 31 N. Main – backfill
- N. Excelsior Ave. – road reconstruction
- 2805 S. Montana St. – addition to office space and storage to existing shop
- 1149 Antimony St. – excavation around new retaining wall location and new 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 July 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB1 – Securing of mine adit using fencing and boulders after break in to catch basin. Repair of fencing after break in.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 2024:

- Received and reviewed the Berkeley Pit and Discharge Pilot Project Downstream Field Sampling Plan (FSP) 2024 Update, Revision 1.
- Received and reviewed the Revised Draft Final Quarterly Operations and Maintenance (O&M) Report Butte Treatment Lagoons (BTL) System – Fourth Quarter 2022.
- Received and reviewed the Butte Priority Soils Operable Unit Grove Gulch Sedimentation Bay RD/RA Re-Submittal.
- Received and reviewed the Berkeley Pit and Discharge Pilot Project Quarterly Report, First Quarter 2024.
- Received and reviewed the Butte Mine Flooding Monthly Report for June 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Twenty-one new property requests were received, and 11 were digitized, attributed, and appended to the production layer.
 - Edits for 20 properties have been requested and 11 have been completed.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
- Continued work on the Mine Claims project.
- 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 July, 300 users visited BPSOU.com. BSB staff presented a progress update on the Remedial Design and Remedial Action activities for the Silver Bow Creek Conservation Area. Staff provided an update on the BPSOU RD/RA Progress Meeting as well.



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

September 9, 2024

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Helena, MT 59620-0901

RE: August 2024 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 August 2024.

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 – August 2024

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 August 2024.

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 142 – Repair of gully and broken curbing identified during the site evaluation using asphalt millings. Repair of barren area identified during the site evaluation using EPA approved soil.
- BRES Site 132 – Excavation of exposed waste areas identified during the site evaluation. Waste disposed of at the MWR.
- BRES Site 2380 - Mowing of undesirable species on site.

BRES Program. BSB Staff received approval to the Revised 2023 BRES Corrective Action Plans and the Revised 2023 BRES Summary Report on June 28th, 2024. 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 August 2024, weed control was performed on the following BRES sites: 61W, 61S, 61N, 61E, 47, 34, 32, 31, 60F, 60E, 60D, 60C, 60B, 60A, 59, 58, 57, 50, 49, 48, 43, 42, CB09, CB08, 132, 36, 52, 46E, 45, 35, 155, 158, 41, 40, 39, 32S, 1656, 150, 142, 34E, 25, 27, 26, 2310, 181, 68, and 67.

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 August; 17 within the BPSOU:

- 3521 S. Main St. – new single-family residence build
- 55 E. Galena St. – retaining wall
- S. Montana St. – fiber optic work
- 123 W. Daly St. – retaining wall
- 16 E. Granite St. – utility repairs and maintenance
- 1120 Waukesha St. – retaining wall and driveway

- 1148 W. Park St. – sewer service
- 1024 S. Wyoming – water service
- 25 W. Aluminum – water and sewer services
- 1018 Delaware Ave. – water service
- 611 S. Dakota – gas service
- 127 S. Excelsior Ave. – addition of concrete to boulevard
- 160 W. Granite St. – ADA ramp
- 271 W. Gold – water and sewer services
- 400 S. Clark St. – repair and replacement of sidewalks
- 733 N. Montana St. – water service
- 327 S. Excelsior – landscaping

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- HD5 – Removal of sediment from HDD and disposed of at the MWR.
- HD4 - Removal of sediment from HDD and disposed of at the MWR.
- CB08 – Repair of barren area identified during site evaluation using EPA approved soil.
- DD6 – Staging and stock piling of EPA approved fill on site for future projects.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 2024:

- Received and reviewed the Butte Mine Flooding Operable Unit 2024 Second Quarter Report.
- Received and reviewed the Discharge System 2023 Data Quality Assessment for the Butte Mine Flooding Operable Unit Berkeley Pit and Discharge Pilot Project.

- Received and reviewed the Draft Final Horseshoe Bend Effluent Line (HBEL) Discharge Structure Surface Enhancements Work Plan.
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Berkeley Pit and Discharge Pilot Project July 2024 Discharge Monitoring Report (DMR).
- Received and reviewed the Butte Mine Flooding monthly report for July 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Twenty new property requests were received, and 14 were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - Began 2024 Quad 1 BRES Map Book for Annual Report.
- Continued Education
 - Attended monthly MAGIP (Montana Association of GIS Professionals).
 - Local Government (GIS) meeting.
- Other Projects
 - Continued work on the Mine Claims project.
 - Interviewed potential candidates for Reclamation GIS Specialist Position.
- 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 August, 241 users visited BPSOU.com. BSB staff attended the BPSOU Open House on Tuesday, August 6th and provided an update at the Remedial Design/Remedial Action Progress Meeting on August 27th.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services
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October 10, 2024

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RE: September 2024 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 2024.

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 2024

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 2024.

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 this month occurred at the Little Minah Channel, DD6. See Section B. Storm Water Operations and Maintenance Activities below for details of the work performed.

BRES Program. BSB Staff is currently drafting the 2024 BRES Field Summary Report. 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 September 2024, no weed control was performed.

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 37 Excavation and Dirt-Moving Permits during the month of September; 14 within the BPSOU:

- 1039 W. Granite St. – sidewalk
- 39 W. Aluminum – monoslab foundation
- 2321 S. Colorado St. – new house
- 315 N. Montana St. – water service
- 9 Lexington Terrace – slab for garage
- 1034 W. Platinum St. – sewer service
- 220 N. Wyoming St. – sidewalk
- 56 E. Mercury – backfill of parking area
- 424 W. Quartz St. – replace water service
- 655 S. Jackson – footing, foundation, landscaping, and driveway
- 1887 Harrison Ave. – sidewalk replacement
- 523 E. Front St. – pour footing/wall to avoid flooding
- 401 S. Wyoming – footings and foundation for sound bar
- 55 E. Galena St. – utility repairs and maintenance

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 September 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD6 – Staging and stock piling of limerock for projects on the site. Removal of waste from the ditch. Waste was disposed of at the MWR. Addition of limerock and Type B filter bedding 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 and 2023 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 2024:

- Received and reviewed the Butte Reduction Works (BRW) Phase II Interim Demolition Plan Construction Drawings and Floodplain Encroachment Analysis Technical Memorandum.
- Executed a Sponsored Research Agreement with Montana Technological University for the Butte Controlled Groundwater-Domestic Well Program.
- Received and currently reviewing the Draft Final Blacktail Creek (BTC) Groundwater Hydraulic Control System (GHCS) Pre-Design Investigation Evaluation Report (PDIER).
- Received and currently reviewing the 2024 Draft Final Butte Reduction Works (BRW) Smelter Mine Waste Remediation and Contaminated Groundwater Hydraulic Control Site Phase III Quality Assurance Project Plan (QAPP) (BRW Phase III QAPP).
- Received and reviewed the Butte Mine Flooding monthly report for August 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program

- Twenty-three new property requests were received, and 24 were digitized, attributed, and appended to the production layer.
- Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - Completed Draft 2024 Quad 1 BRES Map Book for Annual Report.
- Continued Education
 - Attended monthly MAGIP (Montana Association of GIS Professionals).
 - Local Government (GIS) meeting.
- Other Projects
 - Continued work on the Mine Claims project.
- 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 September, 226 users visited BPSOU.com. BSB staff attended the RMAP UAO Progress Meeting on September 10th, the CTEC meeting on September 19th, and the BPSOU Remedial Design/Remedial Action Progress Meeting on September 24th.



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 8, 2024

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Helena, MT 59620-0901

RE: October 2024 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 2024.

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 – October 2024

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 2024.

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 this month included:

- BRES Site 150 - Raking of plant litter and broadcast seeding using EPA approved seed mix.
- BRES Site 142 - Raking of plant litter and broadcast seeding using EPA approved seed mix.
- BRES Site 132 - Raking of plant litter and broadcast seeding using EPA approved seed mix.
- BRES Site 150N - Raking of plant litter and broadcast seeding using EPA approved seed mix.

BRES Program. BSB Staff is currently drafting the 2024 BRES Field Summary Report. 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 October 2024, no weed control was performed.

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. BSB 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 44 Excavation and Dirt-Moving Permits during the month of October; 14 within the BPSOU:

- 201 N. Clark St. – footings, posts/poles for fence
- 1154 W. Steel – deck over driveway
- 1032 Lewisohn – footings for deck
- 1245 Harrison Ave. – utility repairs and maintenance
- 110 E. Aluminum – sidewalk

- 701 S. Arizona – sidewalk replacement
- 901 N. Excelsior Ave. – adjusting slope of sidewalk and landscaping
- Third St. & Arizona Ave. – new building foundation
- 415 W. Galena St. – excavation for mono-slab for garage
- Kaw Ave. – utility repairs and maintenance
- 0 W. Woolman – excavation for footings (new trail arch BA&P Trail from Sioux Park)
- 600 S. Main – utility repairs and maintenance
- 400 Oxford – demo parking lot and replace with new parking lot
- 2321 Colorado – new water service

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 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- CB08 – Raking of plant litter and broadcast seeding using EPA approved seed mix.
- DD6 – Addition of limerock, Type B filter bedding, and 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 and 2023 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 2024:

- Received and reviewed the Draft BPSOU Clark Tailings Consolidated Waste Management Area 2019-2023 Data Summary Report.
- Received and reviewed the Horseshoe Bend Water Treatment Plant 2023 Annual Report.
- Received and reviewed the Final Quarterly Operations and Maintenance (O&M) Report Butte Treatment Lagoon (BTL) System – First Quarter 2023.

- Received and reviewed the Butte Mine Flooding 2023 Annual Report – MBMG OFR 766.
- Received and reviewed the Butte Mine Flooding monthly report for September 2024.

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Fifteen new property requests were received, and 13 were digitized, attributed, and appended to the production layer.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - Completed revisions of Draft 2024 Quad 1 BRES Map Book for Annual Report.
- Continued Education
 - Attended monthly MAGIP (Montana Association of GIS Professionals).
 - Local Government (GIS) meeting.
- Other Projects
 - Continued work on the Mine Claims project.
- 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, 189 users visited BPSOU.com. BSB staff attended the RMAP UAO Progress Meeting on October 8th, the BPSOU Remedial Design/Remedial Action Progress Meeting on October 22nd, the Butte Medical Monitoring Work Group Meeting on October 22nd, and the EPA Open House for Proposed Lead Changes on October 29th.



THE CITY-COUNTY OF Butte-Silver Bow

Department of Reclamation &
Environmental Services

Abby Peltomaa, Manager, Data Management Division
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December 10, 2024

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RE: November 2024 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 November 2024.

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 – November 2024

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 2024.

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 this month occurred on stormwater structures. See Section B. Storm Water Operations and Maintenance Activities below for details of the work performed.

BRES Program. BSB Staff distributed the Final 2023 BPSOU BRES Field Evaluation Summary and Technical Recommendations Report and the Final 2023 Corrective Action Plans for Reclaimed Sites on November 12, 2024. BSB Staff also submitted the 2024 BRES Field Summary Report on November 15, 2024. 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 November 2024, no weed control was performed.

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. BSB 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 16 Excavation and Dirt-Moving Permits during the month of November; 1 within the BPSOU:

- 403 W. Granite Street - 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 November 2024, standard routine work activities were completed. In addition to inspections and monitoring of facilities, BSB Crews completed the following:

- DD16 – Removal of sediment from ditch and disposed of at mine waste repository.
- DD15 – Placement of boulders to prevent vehicular access to stormwater ditch and adjacent reclaimed areas.
- DD3 – Placement of boulders to prevent vehicular access to stormwater ditch and adjacent reclaimed areas.
- CB09 – Removal of sediment from ditch and disposed of at mine waste repository.
- CB05 – Removal of sediment from catch basin and disposed of at mine waste repository.
- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs.

Superfund Storm Water Structures Inspections: BSB Reclamation Staff is currently drafting the 2022 and 2023 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 2024:

- Received and reviewed the Final Quarterly Operations and Maintenance (O&M) Report Butte Treatment Lagoon (BTL) System-Fourth Quarter 2022.
- Received and reviewed the Butte Mine Flooding Operable Unit 2024 Third Quarter Report.
- Received and reviewed the Butte Mine Flooding Monthly Report for October 2024.
- Received and reviewed the 2025 Butte Alluvial-Bedrock-Controlled Groundwater Area Quality Assurance Project Plan Update.
- Received and reviewed the Butte Mine Flooding Operable Unit (BMFOU) Berkeley Pit and Discharge Pilot Project October 2024 Discharge Monitoring Report (DMR).

D. GIS Activities

Primary work in the reporting period included:

- RMAP Program
 - Fifteen new property requests were received, and 0 were digitized, attributed, and appended to the production layer.
 - Twenty-five data validation maps were created from this year's field sampling.
 - Routine maintenance of production and historical RMAP databases.
- BRES Program
 - Routine maintenance of BRES related data throughout the month.
 - Completed revisions of Draft 2024 Quad 1 BRES Map Book for Annual Report.

- Continued Education
 - Attended monthly MAGIP (Montana Association of GIS Professionals).
 - Local Government (GIS) meeting.
- Other Projects
 - Continued work on the Mine Claims project.
- 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, 201 users visited BPSOU.com. BSB staff attended the EPA Public Meeting on the Proposed Plan to Amend the Remedial Action for the Butte Priority Soils Operable Unit on November 18th and the RMAP UAO Progress Meeting on November 19th.

Appendix K
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	▪ 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.