Butte-Silver Bow Planning Board

December 9, 2016

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RE: November 2016 Monthly Report of Activities
Butte Priority Soils Operable Unit
Unilateral Administrative Order (UAO) – EPA Docket No. CERCLA-08-2011-0011

Ladies and Gentlemen:

Pursuant to Paragraph 42 of the above referenced Order, Butte-Silver Bow submits the attached Monthly Report for activities performed at the Silver Bow Creek/Butte Area Superfund Site, as part and on behalf of the Group 1 Respondents. This monthly report covers work activities for November 2016.

Please contact me (497-6264) if you have any questions about the information in the report or need additional information about Butte-Silver Bow's work activities. Thank you.

Sincerely,

Julia M. Crain

Julia Crain
Superfund Program
Butte-Silver Bow Planning Department

Attachment: Monthly Report

CC: Loren Burmeister, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – November 2016
Butte Priority Soils Operable Unit
Silver Bow Creek/Butte Area Superfund Site
Unilateral Administrative Order (EPA Docket No. CERCLA-08-2011-0011)

As directed by Paragraph No. 42 of the *Unilateral Administrative Order for Partial Remedial Design/Remedial Action Implementation and Certain Operation and Maintenance at the Butte Priority Soils Operable Unit/Butte Site (hereinafter, the Order)*, the City and County of Butte-Silver Bow provides this monthly report on work activities under the Order. The work activities described in this report are consistent with the directives contained in the Order/Remedial Action Work Plan, and cover those efforts performed by Butte-Silver Bow as part of the Group 1 Respondents, during November 2016.

I. Operations and Maintenance Activities

A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In November of 2016, Source Area maintenance crews continued maintenance of sites throughout the Butte Hill. Crews completed routine O&M on sites including trash pickup and hauling, fence repairs, stormwater infrastructure cleanouts (sediment basins, culverts, inlets, etc.) and removing dead or decaying trees in various locations. Specifically:

- Imported 20 cubic yards of top soil and applied seed in accordance with the BHRS to areas disturbed during storm water ditch repair on BRES Site 34.
- Repaired parking area for the walking trail on BRES Site 2310. Re-graded damaged areas and capped with 40 cubic yards of road millings to prevent future damage from occurring. Installed five parking blocks and boulders to prevent vehicle traffic on the site.
- Repaired damaged fencing on BRES Site CB-09. The fencing had been cut.
- Repaired exposed mine waste on BRES Site 78 by removing 84 cubic yards of mine waste and capping with 96 cubic yard of lime rock in preparation for the cap to be replaced in the spring of 2017.

BRES Program. Conducting field evaluations and completing preliminary Corrective Action Plans for 2017 field work.

Vegetation and Weed Controls. No specific activities to report for October 2016.

Native Plants. Butte-Silver Bow has completed its obligations to the Tree Program for 2016. Butte-Silver Bow developed a list of potential planting sites during the 2016 BRES Evaluations. Butte-Silver Bow and Montana Tech set a planting planning meeting for November 10, 2016, to begin discussing planting targets for spring 2017.

Excavation Review and Oversight. BSB personnel continue to monitor excavation and dirt-moving activities throughout the basin, including multiple Permits already issued. Coordination with multiple Contractors requires continued coordination for access to the Mine Waste Repository. BSB personnel issued 28 Excavation and Dirt-Moving Permits during November 2016; 6 permits were issued for properties in BPSOU.

- 1109 W. Broadway St. – Utility repairs/Maintenance
- West of Main St.-Lexington Mine – Footing and Foundation
- 1401 W. Platinum St. – Foundation
- 60 Oro Fino Gulch – Posts/Poles
- 501 Garden Ave. – Utility Repairs/Maintenance

- 408 S. Dakota St. – Utility Repairs/Maintenance

Institutional Controls (ICs). Butte-Silver Bow continues to manage its responsibilities to the Institutional Controls Program. Butte-Silver Bow is working with permit recipients to educate the permit holders on Best Management Practices, stormwater controls, sediment controls, excavation of hazardous waste, and access to the Mine Waste Repository. B-SB personnel continue to work closely with local utility companies (NWE, telephone, cable and others) to coordinate Street Opening permits, Excavation & Dirt-Moving permits and others.

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.

- Removed materials from and re-graded the lower deck of the repository using a D7 dozer.

B. Storm Water Operations and Maintenance Activities

During the reporting period, standard and routine work activities were performed. Crews were out inspecting and monitoring various facilities, and completed several cleanouts within the BPSOU site as needed. October maintenance activities include:

- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs;
- Cleaned by-pass grate and sediment traps at CB8 on multiple dates;
- Removed 84 cubic yards of sediment from the storm water ditch adjacent BRES Site 34.
  - Imported 32 cubic yards of six inch rock and placed in ditch as rock armoring and installed rows of 12 inch rock intermittently throughout the ditch to reduce the energy of water flow.
  - Capped areas adjacent to the ditch and roadway with 16 cubic yards of road milling to prevent future sediment loading.
  - Removed sediment from existing drop inlet and pipes with the Vactor truck.
- De-watered CB-08 and CB-09, with continuous monitoring, in preparation for spring run-off.
- Constructed a soil berm on BRES Site 53 at Montana Street and Buffalo Street to control storm water along the road ways from damaging site edges. The berm was constructed with 10 cubic yards of material.

Superfund Storm Water Structures Inspections: BSB personnel continue routine inspections of storm water facilities, storm water features and storm water structures.

Superfund Storm Water Structures Operations and Maintenance Plan: This plan has received final comments and is being prepared for submittal to the Agencies in December 2016.

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 the 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:

- BSB submitted for approval the annual MS4 report as required in Section I under Part IV. Monitoring, Recording and Reporting Requirements for the General Permit.
- Repaired various drop inlets and raised man holes throughout BPSOU.
- 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.

- MDEQ has decided to administratively extend the existing MS4 permit for the years 2015-2016 while a working group conducts meetings develops new permit requirements. BSB and its consultant WET have participated in multiple permittee-stakeholder meetings on this topic and will take part in the working group meetings.
- BSB began meeting with the other MS4 Cities to develop a MS4 permit that is acceptable to the cities and DEQ.

C. Water Quality District Activities

- Received communication and introduction from Eric Sivers from Montana DEQ
    - Eric will now serve as the DEQ Staff Contact for all Water Quality District's within the Montana
- Continued working to identify and review previous studies regarding irrigation well sampling activities within or bordering Controlled Groundwater Areas
    - Have obtained some limited information with well locations and accompanying maps
    - Efforts are ongoing to find the analytical information
        - This analytical information will be used in combination with the previous well list received from the Montana Bureau of Mines and Geology
    - Once the final list is determined, the Water Quality District will contact all well owners to determine the use of the well and any potential water sampling activities
- Contacted by Ada Montague a Water Resource Planner with the Water Management Bureau
    - Scheduled two teleconferences for December to discuss drought management in the Upper Clark Fork

D. GIS Activities

Primary work in the reporting period included:

- Monthly review of ArcGIS Online for O&M and Stormwater Inspection data was performed. Upon review, data was input into the BRES O&M Database; spatial data was downloaded for QA/QC and archival on the BSB GIS system.
- Internal meetings to begin scoping the needs for Stormwater Inspection and O&M Database.
- Updated Shafts and Hazards GPS layer to include potential shaft hazard located at 2525 Bayard.
- Plotted map of all Wood Stove changes by parcel for Health Department staff.
- Superfund Staff updating file geodatabase for O&M Crew field data collection utilizing ArcGIS Online and Arc Collector App.
- Plotted property ownership of National Dump, Site No. 75, for citizen Crystal Vandermeulen who is soliciting funding for a potential small project on the site.
- E-mailed map of historic 'NW Thumb' to AR.

II. Residential Metals Abatement Program

There are a number of standard work activities that are on-going and addressed each month, including the following:

- Identifying soil, attic and cap protection projects.
- Data base and GIS tracking system; progress and annual reports
- Completion statements and deed attachments for projects completed
- Re-insulating properties previously abated
- Paint inspections
- Residential soil/basement sampling
- Residential attic sampling
- Residential interior dust sampling
- Provide use of HEPA vacuums
- Provide blood lead sampling through WIC clinic and establish database for blood lead results

Projects in Progress (December 2016)

3030 Yale – Attic
820 N. Henry – Attic
450 N. Idaho – Basement

Projects Completed: (November 2016)

1932 Oregon – Attic
3001 Princeton – Attic
2032 Wall – Attic
1032 W. Gold – Attic
2123 Princeton – Attic
2017 George – Attic
1115 E. Second – Soil
935 Zarelda – Soil
49 E. LaPlatte – Soil

Upcoming projects:

1031 Iowa – Attic
1149 W. Platinum – Attic
600 W. Gold – Attic
2811 Kossuth – Attic
1012 W. Quartz – Basement
600 W. Gold – Basement

Projects Completed to date (2016) – 115

Properties Sampled to date (2016) – 237

Property Requests to Access for Sampling (2016) – 750