Butte-Silver Bow Planning Board

January 10, 2017

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RE: December 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 December 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,

Tom Malloy for

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 – December 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 December 2016.

I. Operations and Maintenance Activities

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

Routine O&M. In December 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:

- Prepared topsoil at Ryan Mine for use in 2017 BRES repairs – screened soils through grizzly
- Hauled 28 cubic yards of screened soils from Ryan Mine for staging at Mine Waste Repository
- Anselmo Dump, BRES Site No. 70, removed wire and fence posts along the north side of BRES Site to prepare for ditch repairs. Removed 50 linear yards of fence, 12 metal fence t-posts, and 5 pressure treated posts.
- Anselmo Dump, BRES Site No. 70, removed 56 cubic yards of six-inch minus rock and hauled to repository upper staging area.
- Anselmo Dump, BRES Site No. 70, hauled in 40 cubic yards of lime rock from Kelley staging area before establishing berm with dirt from the Ryan Mine.
- Anselmo Dump, BRES Site No. 70, hauled in 48 cubic yards of dirt from Ryan staging area.
- Anselmo Dump, BRES Site No. 70, hauled in 40 cubic yards of dirt from Ryan staging area.
- Original Mine Yard BRES Site No. 78, hauled 96 cubic yards of snow and ice from site to lower Kelley snow staging area.
- Anselmo Dump, BRES Site No. 70, hauled in 48 cubic yards of dirt from Ryan staging area.
- Anselmo Dump, BRES Site No. 70, hauled in 28 cubic yards of dirt from Ryan staging area.
- Anselmo Timber Yard Slope, BRES Site No. 71N (along Empire Street) removed snow and ice drift buildup in and around catch basin.
- Anselmo Timber Yard Slope, BRES Site No. 71N (along BA&P Walking Trail) removed snow and ice drift buildup in and around catch basin.
- Anselmo Mine Yard, BRES Site No. 70 (along Caledonia Street) removed snow and ice drift buildup in and around catch basin.

BRES Program. Conducting field evaluations and completing preliminary Corrective Action Plans for 2017 field work to be approved by the Agencies.

Vegetation and Weed Controls. No specific activities to report for December 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 met in December 2016, to discuss planting targets for spring 2017. On

December 15th, Butte-Silver Bow and Montana Tech jointly presented 2017 planting plans to the Butte Natural Resources Damage Council (BNRC). The plans were approved without change.

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 14 Excavation and Dirt-Moving Permits during December 2016; 3 permits were issued for properties inside the BPSOU.

- 55 E. Galena St. – Bore holes for soil testing
- 617 W. Silver St. – Sewer repairs
- Rowe Rd. – Foundation for billboard

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 (Call Before You Dig, NWE, telephone, cable and others) to coordinate Street Opening permits, Excavation & Dirt-Moving permits and others. An informational presentation to local contractors on Butte's Excavation and Dirt-Moving Protocols is scheduled for February 9th in concert with a meeting of the 811 – Call Before You Dig Program.

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.

- On December 1, 2016, removed materials from and re-graded the lower deck of the repository using a D7 dozer.
- Repaired the Repository mechanical gate which malfunctioned due to frozen ground actuating the gate every time a vehicle approached the gate.
- On December 28, 2016, 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. December 2016 maintenance activities include:

- Continuous monitoring of Syndicate Pit, CB8, CB9 and HDDs;
- Cleaned By-Pass Grate and sediment traps at CB8 on an almost daily basis throughout December, including removal of soils, trash, debris and ice.

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 January 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

- Continued working to identify and review previous studies regarding irrigation well sampling activities within or bordering Controlled Groundwater Areas
- Contacted the Butte-Silver Bow GIS Department about developing a database to house this previous sampling information; and to house any additional information from wells yet to be sampled
- Attended Teleconference led by Ada Montague a Water Resource Planner with the Water Management Bureau
    - Teleconference consisted of several stakeholders in the Upper Clark Fork and meeting focused on drought management planning in the Upper Clark Fork
    - Future meetings will focus towards drafting a Water Smart Grant Application for the Clark Fork Headwaters River Basin

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/GIS Hazard located at 2525 Bayard Street.
- 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; (January 2017)

1804 Porter – Attic
15 S. Montana – Attic

Projects Completed: (December 2016)

820 N. Henry – Attic
1149 W. Platinum – Attic
1031 Iowa – Attic
600 W. Gold – Attic
2903 Florida – Attic
1128 Maryland – Attic
552 N. Franklin – Attic
450 N. Idaho – Basement
600 W. Gold – Basement
1012 W. Quartz – Basement

Upcoming projects:

2608 Hancock – Attic
2121 Johns – Attic
2811 Kossuth – Attic

Projects Completed in (2016) – 124

Properties Sampled in (2016) – 240

Property Requests to Access for Sampling (2016) – 750