Butte-Silver Bow Planning Board

May 10, 2016

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RE: April 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 April 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
Special Projects Planner
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 – April 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 April 2016.

I. Operations and Maintenance Activities

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

Routine O&M. In April 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:

- Disked designated areas for tree planting and hauled 116 cu yds of top soil to BRES Site 74;
- Removed the remaining berm material at the Missoula Ball Field;
- Installed security camera at the Mtn. Con Mine Yard;
- Hauled 193 cu yds of sediment to the repository from BA &P Trail Section Montana St. bridge;
- Installed the fence along the BA&P Trail Section Montana St. bridge and removed two dead trees along the trail;
- Hauled 96 cu yds of top soil from the Ryan Mine location to BRES Site 125;
- Removed 12 cu yds of sediment from BRES Site 125 and deposited at the Mine Waste Repository;
- Applied fertilizer and conducted interstitial seeding on BRES Site 125;
- Removed trash and debris from BRES Sites 74, 115, 125, 51;
- Removed 32 cu yds sediment and 22 cu yds rock from BRES Site 29 and deposited at the Mine Waste Repository;
- Hauled 112 cu yds of fill material from the Ryan Mine Yard to BRES Site 29;
- Removed fencing debris from BRES Site 51

BRES Program. In April of 2016, BSB O&M Crews utilized a summary report provided to Reclamation Operations Manager to visit and inspect trigger items identified on BRES Sites in Summer 2015. The BSB GIS system was utilize to create shapefiles and make notes of areas in need of corrective action in 2016. The findings of the field inspections are currently being utilized to draft the 2016 Corrective Action Plan for Quadrant 4 sites evaluated in 2015.

Vegetation and Weed Controls. None to report at this time.

Native Plants. Butte-Silver Bow has completed its 2016 Tree Program work plan in partnership with the Montana Tech native plant program. Butte-Silver Bow has procured vegetation for

installation across the Butte hill in Spring.

Excavation Review and Oversight. BSB personnel issued 26 Excavation and Dirt-Moving Permits during April 2016; 14 permits were issued for properties in BPSOU:

- 220 N. Wyoming – utility repair/maintenance
- 639 Placer – utility repair/maintenance
- 100 S Montana – utility repair/maintenance
- 1923 S. Arizona – Excavation for new addition
- 1409 W. Granite - utility repair/maintenance
- 212 N Ophir – utility repair/maintenance
- 221 N Ophir – utility repair/maintenance
- 1419 W. Granite – utility repair/maintenance
- Alley 1st & Farrell W of Gaylord – utility repairs/maintenance
- East of Webster Garfield and North of Front – utility repair/maintenance
- 3701 Warren Avenue – utility repair/maintenance
- Park & Emmett - utility repair/maintenance
- Alley 800 Block Quartz/Granite - utility repair/maintenance
- 840 Lexington – foundation/footing

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.
- Met with Johnson Contracting in reference to repository gate repairs.

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. March maintenance activities include:

- Continuous monitoring of CB8 and CB9;
- Cleaned by-pass grate and inspected sediment traps at CB8;
- Repaired the entry gate;
- Installed security camera at CB8;
- Removed 4 cu yds of sediment from the storm water inlet next to the Belmont Site;

Superfund Storm Water Structures Operations and Maintenance Plan: This plan is currently under review with Atlantic Richfield Staff and once comments are submitted and revisions made an interim plan will be submitted to the Agencies for review.

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 completed the annual MS4 report as required in Section I under Part IV. 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.
- 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

- Attended weekly coordination meetings between the Water Quality District, Superfund, and Metro
- Attended TRC Meetings
- Attended meetings with Health Department Staff to discuss the TI Waiver Report and to discuss the Water Quality District activities for the 2014-2015 fiscal years.
- Prepared the Water Quality District Annual Report for the 2014-2015 fiscal years.
- Attended the Annual Water Quality Districts Meeting in Missoula, MT
  - Field Activities included a trip to view the Smurfit-Stone Paper Mill Site
    - Discussed past issues and ongoing activities with the site
  - Attended a round table discussion regarding an arsenic monitoring project recently conducted by the Missoula Valley Water Quality District
  - Attended a round table discussion on current activities of Water Quality Districts

D. GIS Activities

Primary work in the reporting period included:

- An update to the Shafts and Hazards map was prepared adding 807 N. Montana Street. An additional subsidence in the vicinity of Crescent Street occurred and will be GPS located for addition to the system. An additional subsidence was investigated within the 500 Block of West Galena.
- The ArcGIS Online BRES application was updated with additional themes to assist field crews with their work. This update will allow O&M crews to create map features in the field and link photographs to the areas where work occurs. Additional editing and qa/qc will occur before shapefiles are uploaded to the Superfund Directory. This has reduced requests for vicinity maps when investigating subsidence reports.
- BRES Site No. 82, Cellar Dirt Dump, was investigated for deed restrictions and all parties involved in the land transaction from Montana Mining Properties to Butte-Silver Bow.
- A quadrant 2 map was plotted to illustrate all property classified as Developable or Dedicated.

- Tax parcels within the Butte Priority Soils Operable Unit (BPSOU) boundary were reviewed for the classifying of major property owners, and improving our ability to query all parcels within the BPSOU when necessary.
- TREC staff received GIS exports files of current Butte Reclamation Evaluation System (BRES) site boundaries, and municipal water and storm water infrastructure.
- A review of current Tree Pods, and discussion of attributes necessary for interaction with vegetation inventory database was held.
- The CLAPAP (Clap) database has been updated with data collected at recent Residential Metals Abatement Program (RMAP) sampling locations.

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 (May 2016)
3949 Gladstone – Attic
1039 Platinum – Attic

Projects Completed: (April 2016)
933/935 Placer – Attic
3324 S. Montana – Attic
1409 Warren – Attic
1208 N. Main – Attic
634 S. Montana – Attic
3940 Gladstone – Attic
217 Dakota – Attic
219 Dakota – Attic
219 ½ Dakota – Attic

Upcoming projects:
2004 S. Idaho – Attic
122 Minah – Attic
1006 W. Granite – Attic
118 Minah – Yard
122 Minah – Yard
620 S. Montana – Yard

Projects Completed to date (2016) – 33
Properties Sampled to date (2016) – 50