Butte-Silver Bow Planning Board

June 10, 2016

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RE: May 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 May 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 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 – May 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 May 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. A complete record of activities is enclosed as Appendix A, and provides documentation for the following:

- Removed five 55 gallon bags of trash and debris from CB8 and CB9;
- Repaired damaged fencing at the Alice Pit;
- Replaced damaged fencing on two sections of the BA&P trail Section A;
- Repaired damaged fencing on BRES Sites 70 and 78;
- Prepared planting areas for the Native Plant Program on BRES Sites 121, 71N and 96 by disking existing vegetation and importing topsoil and compost;
- Removed fencing from BRES Site 39;
- Installed security cameras at the Lexington Mine yard;
- Installed signs at BRES Site 60;
- Imported 100 cubic yards of fill material and 36 cubic yards of topsoil and then Hydro-seeded areas adjacent to the storm water ditch on BRES Site 29 to repair vegetative cover;
- Imported 82 cubic yards of topsoil and hydro-seeded areas adjacent to new drop inlet south of the 600 Block of West Copper Street;
- Repaired land slump on BRES Site104 by importing 32 cubic yards of soil;
- Installed BMP's along culverts on BRES Site 115.

BRES Program. In May of 2016, BSB Reclamation staff incorporated April 2016 site inspection data into 2016 Corrective Action Plans for Quadrant 4 sites evaluated in 2015. A Corrective Action Plan is being prepared for submittal and approval to Agencies.

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

Native Plants. Butte-Silver Bow began installation of trees throughout the Butte Hill.

Excavation Review and Oversight. BSB personnel issued 24 Excavation and Dirt-Moving Permits during May of 2016; 9 permits were issued for properties in BPSOU:

- 213 Curtis Street – foundation/slab;
- 800 Block of Granite and Broadway, alley – utility repairs and maintenance;

- 58 and 58A Broadway – utility repairs and maintenance;
- 1037 W. Steel Street – utility repairs and maintenance;
- 1400 W. Granite, entire block – utility repairs and maintenance;
- 944 W. Quartz – footing/foundation;
- 116 W. Agate – Retire Water Service;
- 401 S. Wyoming – landscaping

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. A complete record of activities is enclosed as Appendix A, and provides documentation for the following:

- Continuous monitoring of CB8 and CB9;
- Cleaned by-pass grate and inspected sediment traps at CB8;
- Removed sediment and debris from outlet/weir at CB8 using the mini-excavator;
- Removed sediment utilizing the Vactor truck at all five HDD locations;
- Removed sediment from all culverts along Bernie's Way;
- Removed 58 cubic yards of sediment from the fore bay and bypass at CB* utilizing the skid steer and Vactor truck;
- Removed 12 cubic yards of sediment from BRES Site 67;
- Removed sediment from snow storage areas
  - 70 cubic yards from the Civic Center
  - 80 cubic yards from the Bonanza site
  - 12 Cubic yards from south Montana street
  - 100 cubic yards from the Kelley
- Removed sediment from catch basins along Ryan Road;
- Removed 80 cubic yards of sediment from Buffalo catch basin and Kelley ditches;
- BRES Site 29 – Removed rock armoring and utilized grizzly to separated armoring and sediment and reconstructed the storm water ditch, installing millings on adjacent alley to prevent future sediment deposition and jetted culvert along this ditch.

Stormwater objectives completed by BSB Metro crews within the Butte Priority Soils Operable Unit include repair of catch basins and storm water drop inlets. Locations include:

- The south side of the 1100 Block of Woolman Street – repair;
- Clark and Broadway – repair;
- Henry & Broadway – repair;
- Main & Silver – repair;

- SW Corner of Clark & Broadway – repair;
- SW Corner of Broadway and Clark – redone, was not taking on water;
- 745 Centennial Avenue – new inlet;
- 840 Lexington – new inlet.

Superfund Storm Water Structures Operations and Maintenance Plan. Atlantic Richfield has provided comments to Butte-Silver Bow and comments are currently being addressed and incorporated into a revised Storm Water O&M Plan. Once complete the plan will be submitted to Agencies for review and approval.

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 Meeting
- Attended Data Management and Quality Management Meeting
    - Meeting discussed the future data management needs of both the Water Quality District and the Residential Metals Abatement Program
- Attended Butte-Silver Bow Employee Benefits and Health Fair
    - Stations were set up for both the Water Quality District and RMAP
    - Informed several BSB Employees of activities and services offered through both the Water Quality District and RMAP
- Received contact information from 10 BSB Employees who are interested in sampling and other services offered by RMAP.

D. GIS Activities

Primary work in the reporting period included:

- GIS Themes updated with new map features, (Points, Lines, Polygons), were downloaded to the GIS File Server for evaluation. Data will be reviewed, and edited prior to storage in the BRES Inspection database. Attribute information entered by field personnel will be extracted

and used to develop Corrective Action Plan (CAP) Reports for the corresponding BRES Sites.

- Butte Reclamation Evaluation System (BRES) Sites were mapped to assist specialists with the evaluation of Excavation Permit applications, and the proposed sale of Butte Silver Bow property.
- Minor changes to the appearance of map features in Arc GIS Online application were requested and completed for field going personnel. Custom maps of the Butte Priority Soils Operable Unit (BPSOU), and the National Priorities List (NPL) Sites corridor from Butte to the Warm Springs Ponds were also required.
- The CLAPAP (Clap) database has been updated with sample results received from sites tested by Residential Metals Abatement Program (RMAP) staff.
- Operations and Maintenance (O&M) duties detailed, and recently submitted, have been recorded in the BRES database.
- Tree Pods are receiving attention with the development of watering schedules, and finalizing inventory to be ordered to achieve this year's planting schedule. The Tree Pod inventory has been completed, and the corresponding data documented in the Vegetation database. Modifications to the current Tree Pod theme will allow us to access this information, and plot when needed, maps utilizing these unique attributes.

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 (June 2016)
1107 Maryland – Attic
1035 W. Platinum – Attic
118 Minah – Soil
122 Minah – Soil
620 S. Montana – Soil

Projects Completed: (May 2016)
1039 W. Platinum – Attic
1006 W. Granite – Attic
3949 Gladstone – Attic
2004 S. Idaho – Attic
2213 Walnut – Attic
1830 Princeton – Attic
1014 W. Granite – Attic
435 W. Iron – Attic

829 Colorado – Attic (Roofing project re-contaminated the attic.)

Upcoming projects:
3302 Sherman – Attic
721 W. Quartz – Attic
1003 Caledonia – Attic
1111 Caledonia – Attic
Lot behind 1030 Caledonia – Yard

Projects Completed to date (2016) – 41
Properties Sampled to date (2016) – 75