Butte-Silver Bow Planning Board

May 10, 2016

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RE: June 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 June 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 – June 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 June 2016.

I. Operations and Maintenance Activities

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

Routine O&M. In June 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:

- Repaired damaged fencing at the Syndicate Pit Site 159;
- Repaired pedestrian traffic damage on the Gagnon Site74 by constructing a permanent walking trail.
- Installed signs along the BA&P walking trail.
- Set up staging areas for work in Quadrant 4.
- Participated in the BRES evaluations with CFWEP.

BRES Program. The 2016 BRES Field Evaluations began June 22nd, 2016. The evaluations occurred in Quadrant 1, which was last evaluated in 2012. The evaluations completed June 30th, 2016. BSB Superfund Division staff are preparing for QA/QC of quantitative and spatial data to prepare the 2016 Summary Report of Field Evaluations.

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

Native Plants. Butte-Silver Bow concluded installation of trees and shrubs on the Butte Hill.

Excavation Review and Oversight. BSB personnel issued 26 Excavation and Dirt-Moving Permits during June 2016; 9 permits were issued for properties in BPSOU:

- 5 Tullamore – (2 permits) footing and landscaping and driveway;
- Platinum, Arizona and Wyoming Streets – utility repairs;
- 321 E Galena – footing/posts/poles
- Granite and Ophir – Utility Repairs and Maintenance
- 1216 W. Aluminum – Footing/Posts/Poles
- Alleyway 400 – 500 Block West Granite and West Broadway – utility repairs and maintenance
- Alleyway 700 Block of West Quartz and West Granite
- 100 Block N. Crystal and N. Clark, 600 Block W. Granite – Utility repairs and 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.
- Removed sediment from rumble/knock off strips on the roadways in the repository.
- Milled the entry road to the Repository to prevent sediment from entering the knock off strips.

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 sediment traps at CB8, removed 9 yards of sediment;
- Installed cobble stones along east slope of the Original Mine yard for erosion control
- Constructed grass lined storm water ditch south of Empire Street to divert storm water to existing catch basin on the corner of Empire and Boardman on the New Era 1 and 2 Site 72.
- Removed sediment from the storm water inlets along Alabama Street adjacent to the Anselmo Dump Site 70.
- Installed millings on dirt road adjacent to the Anselmo Dump Site 70 and installed a storm water diversion to prevent sediment deposition on the site and to prevent erosion.
- Removed 4 yards of sediment from culvert along Fifth Street on the Delmonte Site 35 and Garfield Site 45.
- Removed 8 yards of sediment from culvert along Seal Terrace road along the West Gray Rock Site 41.
- Removed sediment from the Kelly Ditches along Anaconda Road.
- Removed 8 yards of sediment from the catch basin along the BA&P walking trail west of the Main Street Bridge.
- Removed 12 yards of sediment from the Webster Garfield HD.
- Constructed an asphalt berm to prevent erosion adjacent to the Emma Park 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 CTEC Meeting.
  - The meeting focused on a presentation by Joe Griffin regarding Storm Water issues.
- Attended TRC-E Meeting.
- Had discussion with the Montana Bureau of Mines and Geology (MBMG).
  - The domestic well sampling will begin in July for the wells that are part of the Controlled Ground Water Area domestic well sampling program.
- Received laboratory results from the soil sampling that was conducted on the Snow Storage sites.
  - The metals analysis results were distributed to representatives of Butte-Silver Bow, EPA, and Atlantic Richfield.
- Updated the RMAP Website.
  - Updated contact information, documents, etc. to ensure they contain the most current information.
  - Reconfigured website links in order to streamline the process for users to access the RMAP webpage.

D. GIS Activities

Primary work in the reporting period included:

- Butte Reclamation Evaluation System Sites were mapped to assist specialists with evaluation of Excavation Permit application review and inspections. In addition, the sites were mapped for use in decision making related to sale of Butte-Silver Bow owned 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 plotted.
- 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.

- A Tree Pod inventory has been completed, and the corresponding data documented in a newly developed 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:

- 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 (July 2016)
2121 Phillips – Attic
2109 Phillips – Attic
1006 Colorado – Attic
205/207 N. Excelsior – Attic
620 S. Montana – Soil
3324 S. Montana – Soil

Projects Completed: (June 2016)

1035 W. Platinum – Attic
1107 Maryland – Attic
3302 Sherman – Attic
2004 1111 Caledonia – Attic
1003 Caledonia – Attic
737 S. Main – Attic
810 W. Mercury – Attic
721 W. Quartz – Attic

Upcoming projects:
2109 Phillips – Attic
119351 German Gulch Rd. – Attic
612 W. Granite – Attic
1435 Sampson – Attic
1409 Warren – Soil
1208 N. Main – Soil
1125 S. Wyoming – Soil
912 Emma – Soil

Projects Completed to date (2016) – 55
Properties Sampled to date (2016) – 97