Butte-Silver Bow Planning Board

August 9, 2016

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RE: July 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 July 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
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 – July 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 July 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:

- Hydro-seeded burnt areas at site No. 71 – Anselmo Mine Yard and No. 71N – Anselmo Timber Yard Slope; and 172 – Caledonia Street Triangle.
- Formed and poured a concrete curb around inlet north of BA&P Trail near Jordan's Yard entry.
- Poured concrete curb around sewer inlet along north side of Lewisohn Street.

BRES Program. The 2016 BRES Field Evaluations began June 22, 2016, and concluded June 30, 2016. The evaluations occurred in Quadrant 1, which was last evaluated in 2012. BSB Superfund Division staff conducted QA/QC of quantitative and spatial data to in July of 2016. A summary report is currently being planned.

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 35 Excavation and Dirt-Moving Permits during June 2016; 11 permits were issued for properties in BPSOU:

- 401 S. Alabama St. Ste 12 – utility repairs;
- SE George and Montana Street – Footing and Foundation
- 1230 W Copper – Foundation
- 1400 Block West Granite – Footing, foundation, sidewalk, driveway and utility repairs
- 100 S. Montana – Utility Repairs/Maintenance
- 800 Block W. Copper/W. Quartz; 200-300 Blocks N. Alabama – Utility Repairs/Maintenance
- 400 Block N. Excelsior/900-1000 Copper/Caledonia – Utility Repairs/Maintenance
- 827 E. Front – Footing/Landscaping/Utility Repairs
- 400 Ophir – Footing/Foundation
- 518 W. Granite – Excavation Permit
- 61 Bennet – 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.

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, inlet pipe and sediment traps at CB8, removed 6 yards of sediment to drying beds;
- Hauled 64 cyds of top soil from Ryan borrow area to CB-9.
- Cleaned Civic Center HDD and hauled 4 loads of waste to drying beds.
- Cleaned Montana Street HDD and hauled 4 loads of waste to drying beds.

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.
- Received analytical report for a portion of the domestic wells that are part of the domestic well sampling program associated with the Clark Tailings/Old Landfill Controlled Ground Water Area.
- The results of this report are currently being reviewed.
- The domestic well sampling program is ongoing with several more domestic wells to be tested; the results of these reports will be reviewed as they become available.
- Received and reviewed Butte Mine Flooding Operable Unit (BMFOU) Monitoring Report from the Montana Bureau of Mines and Geology.
- Began communication with TREC regarding the development of the QAPP for the BSB Domestic Well Sampling Program.

D. GIS Activities

Primary work in the reporting period included:

- Monthly review of O&M and Stormwater Inspection data was conducted and input into the O&M Database.
- Created and plotted map of mine shaft locations in and around Butte for client research project.
- Prepared and plotted map of Superfund and Metro Sewer locations for use in the field.
- Shafts and Hazards map plotted for Superfund Division in the vicinity of planned Uptown Parking Garage.
- Shaft Index Book plotted for Butte-Silver Bow Archives.
- A map of storm water pipes located within the vicinity of the Butte Civic Center plotted for Eric Hassler, Superfund Division Operations Manager.

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)

2101 Utah – Attic

1420 Dewey – Attic

Projects Completed: (June 2016)
205/207 N. Excelsior – Attic
2121 Phillips Ave. – Attic
2109 Phillips Ave. – Attic
1006 Colorado – Attic
119351 German Gulch – Attic
612 W. Granite – Attic
845 W. Granite – Attic
1435 Sampson – Attic
803 W. Granite – Attic
620 S. Montana – Soil
3324 S. Montana – Soil
1030 Caledonia Lot – Soil
118 Minah – Soil
122 Minah – Soil
452 N. Idaho – Soil
1100 Missouri – Soil
912 Emma – Soil
1125 S. Wyoming – Soil
1208 N. Main – Soil
1409 Warren – Soil

Upcoming projects:
1016 Lewisohn – Attic
925 W. Copper – Attic
1217 W. Platinum – Attic
217 S. Dakota – Soil
726 W. Quartz – Soil
728 W. Quartz – Soil
3154 S. Montana – Soil
34 Missoula Apt. ½ - Soil

Projects Completed to date (2016) – 69
Properties Sampled to date (2016) – 129