Butte-Silver Bow Planning Board

September 9, 2016

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RE: August 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 August 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 – August 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 August 2016.

I. Operations and Maintenance Activities

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

Routine O&M. In August 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:

- Cleaned Inlet Screen at Catch Basin 8 and hauled 8 cubic yards of sediment from forebay to repository
- Hard rock, compost and top soil addition for ditch repair at CB8. Applied 68 cubic yards of top soil to the site.
- Anselmo Dump 70 – removed jack-leg fencing
- Constructed a ditch from Pacific Street along the east side of Montana Street to Buffalo Street;
- Sediment Removal from Site No. 53, Poulin Dump: hauled 276 cubic yards of sediment to repository. Added 84 cubic yards rock from crusher, 30 cubic yards of millings from crusher, and hauled in 30 cubic yards six inch-plus rock from crusher.
- Sediment Removal from Site No. 67, Silver Hill Dump: hauled 12 cubic yards of sediment to repository.
- 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.

BRES Program. Butte-Silver Bow is currently in the process of drafting the 2016 BRES Field Evaluation Summary Report which compiles site descriptions, evaluation findings, and summarizes such in tables. This document will be used to guide site inspections and development of 2016 Corrective Action Plans.

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

Native Plants. Butte-Silver Bow has continued its maintenance obligations to plants installed under the NRDP Grant watering the plants, monitoring plant saturation and gradually drawing previous installations from irrigation. An evaluation of sites will be forthcoming in September.

Excavation Review and Oversight. BSB personnel issued 29 Excavation and Dirt-Moving Permits during August 2016; 9 permits were issued for properties in BPSOU:

- 400 E. First Street – utility repairs;
- 404 Virginia – sidewalk;
- Alley between Park & Galena and Montana & Main – utility repairs
- 500 – 700 Blocks of W. Quartz – utility repairs/Maintenance
- 600 Block N. Henry; 600 Block N. Excelsior – Utility Repairs/Maintenance
- 2428 S. Montana – Utility Repairs/Maintenance
- 58 West Park Street – Footing/Foundation
- 2450 Placer – Footings
- 827 E. Front – 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.
- Installed traffic safety indicators along upper haul road.

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;
- Continuous monitoring of Syndicate Pit, CB8 and CB9;
- Cleaned by-pass grate and sediment traps at CB8 on multiple dates;
- CB8 – cleaned sediment traps with vactor truck 3 times;
- CB8 – removed dead trees and hauled 10 cubic yards of debris to Rocker Landfill
- CB8 – removed dead trees and hauled 18 cubic yards of debris to Rocker Landfill
- CB8 – Vegetative Improvement, hauled 24 cubic yards of debris to Rocker Landfill
- CB8 – cleaned 12 cubic yards from sediment trap
- CB8 – hauled 48 cubic yards of topsoil from Bonanza Dump to Site
- CB8 – hauled 55 cubic yards of rock (6" +) from CB8 to Bonanza Dump
- CB8 – hauled 115 cubic yards of sediment to Bonanza Dump
- CB8 – hauled 40 cubic yards of rock (6" +) from Bonanza Dump
- CB8 – hauled 75 cubic yards of sediment to Bonanza Dump
- CB8 – hauled 88 cubic yards of rock (6" +) from Bonanza Dump
- CB8 – hauled 80 cubic yards of sediment to Bonanza Dump

- CB8 – hauled 48 cubic yards of rock (6" +) from Bonanza Dump
- CB8 – hauled 84 cubic yards of sediment to Bonanza Dump
- CB8 – hauled 48 cubic yards of rock (6" +) from Bonanza Dump
- CB8 – hauled 40 cubic yards of sediment to Bonanza Dump
- CB8 – hauled rock (6" +) from Bonanza Dump
- CB8 – hauled compost from Kelley Yard
- CB8 – hauled topsoil from Bonanza Dump
- Webster HDD – cleaned out HDD
- Montana Street HDD – cleaned out HDD
- Bus Barn HDD – cleaned out HDD
- CB8 – hauled 68 cubic yards of topsoil from Ryan to CB8
- ?? - hauled 48 cubic yards of limerock to Kelley
- CB8 – hauled 16 cubic yards of topsoil from Ryan
- CB8 – hauled 6 cubic yards of sediment to Repository
- CB8 – cleaned forebay inlet screen
- CB8 – Cleaned sediment and debris from forebay inlet screen

Superfund Storm Water Structures Operations and Maintenance Plan: The Superfund Stormwater Structure O&M Plan is planned for delivery to Agencies in September 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 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.
- Continued communication and coordination with the Montana Bureau of Mines and Geology regarding the domestic well sampling program
    - 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

- Continued communication with TREC in the development of the domestic well sampling quality assurance project plan

D. GIS Activities

Primary work in the reporting period included:

- Monthly review of O&M and Stormwater Inspection data was conducted. Data was taken from ArcGIS Online and reviewed for input into the BRES O&M Database;
- 2016 BRES Field Evaluation Data was downloaded from ArcGIS Online and moved into ESRI ArcMap for data QA/QC and general editing of line work. The data will be used to complete the maps for the 2016 Field Evaluation Summary Report;
- A map of stormwater infrastructure in the vicinity of the Butte Civic Center was plotted for reclamation division staff;
- A map of locations along the BA&P Trail, Original Mine Yard, and other locations within the BPSOU for the SARTA-funded St. Mary's Neighborhood Lost Neighborhoods Signage project was plotted for reclamation staff;
- A map of historic shaft locations was overlaid on 2015 NAIP imagery for customer;
- A map of Butte-Silver Bow and Atlantic Richfield property ownership in the vicinity of Agate, Bunker, and Ruby Streets was plotted for Community Development Department staff;
- Large plot of BPSOU and LAO map was prepared;
- Map of the expanded attic dust sample area was plotted for RMAP Staff;
- Marlisa Wise, consultant to Restore Our Creek Coalition, requested street centerlines, building footprints, trail routes, stormwater drainages, and BAO-removal areas proposed by ROC (based from BAO Preliminary Conceptual Restoration Plan boundaries) shapefiles for use in mapping project;
- Map of Butte-Silver Bow and MR ownership along Moulton Road plotted for reclamation division staff;
- Two stormwater drainage maps were plotted for Tom Malloy

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
- Sent out 250 RMAP mailers
- Moved from the Kelley Blockhouse to the Kelley Warehouse

Projects in Progress (September 2016)
2931 Amherst – Attic
630 S. Washington – Attic
N. Main St. Lot – Soil

832 W. Quartz – Soil
517 W. Silver – Soil
855 W. Granite – Soil
834/836 W. Granite – Soil
34 Missoula Ave. Apt. ½ - Soil
1107 Maryland – Soil
1006 S. Colorado – Soil

Projects Completed: (August 2016)
1420 Dewey – Attic
2101 Utah – Attic
925 W. Copper – Attic
1217 W. Platinum – Attic
2023 S. Wyoming – Attic
605 W. Galena Apt. A – Attic
2422 Nettie – Attic
1016 Lewisohn – Attic
1125 S. Wyoming – Soil
1208 N. Main – Soil
1409 Warren – Soil

Upcoming projects:
1003 Colorado – Attic
521 S. Washington – Attic
935 Zarelda – Attic
45 W. Woolman – Soil
726 W. Quartz – Soil
728 W. Quartz – Soil
3154 S. Montana – Soil
622 W. Granite – Soil
49 E. LaPlatte – Soil
217 S. Dakota – Soil

Projects Completed to date (2016) – 77
Properties Sampled to date (2016) – 152