Butte-Silver Bow Planning Board

April 11, 2016

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RE: March 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 March 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 – March 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 March 2016.

I. Operations and Maintenance Activities
A. Source Areas/Butte Reclamation Evaluation System (BRES)

Routine O&M. In March 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/replaced fencing at BRES Sites 150 and 05;
- Removed garbage and debris at BRES Sites 159, 45, 35, 46, 27, 175, 84, 75, 76, 82,79;
- BRES 175, 79, 80 - jetted culverts, and removed 36 yards of sediment and re-established rock lined ditch.
- Applied fertilizer and interstitial seeding on BRES Sites - 175, 53, 54, 55, 56, 34, 60D, 12, 32, 11, 177W, 177, 177E, 9, 8, 18, 158, 29, 17, 32S, 39, 42
- BRES Sites 39, 32S, 42 jetted culverts and removed 3 yards of sediment
- BRES Site 12 bladed the parking area
- BRES 34E bladed the parking area

BRES Program. A summary report of trigger items identified during the 2015 BRES Field Evaluations has been created and delivered to Operations Manager for field review. The Operations Manager is currently reviewing the evaluated sites and beginning to develop site specific corrective actions to be incorporated into a 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. 10 locations have been selected for planting in summer 2016. A preliminary report of target areas will be provided to EPA in March 2016.

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

- 109 N. Montana alley – utility repair/maintenance
- 123 W. Aluminum – utility repair/maintenance
- 1419 Granite – retire waterlines
- 1405 Granite – retire waterlines

- 1401 Granite – retire waterlines
- 3400 S. Montana – excavation for home remodel
- Alley of 900 Block Granite/Broadway – utility repair/maintenance
- Alley of 900 Block Quartz/Granite – utility repair/maintenance
- Alley 200 Block Crystal/Jackson – utility repair/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.

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 9 times;
- Removed snow sediment from the parking area at the Missoula ball field.
- North Kelley Mine – removed sediment and re-routed pipe to existing catch basin, installed rip rap at catch basin inlet to prevent erosion.
- Extended drain pipe from the Mountain Con hoist building 58 feet to existing drop structure.
- Jetted storm inlet at Excelsior and Eighth
- Jetted and removed sediment from culvert on the BA&P Walking trail
- Removed 400 yards of sediment adjacent to the BA&P walking trail.
- BRES Sites 39, 32S, 42 jetted culverts and removed 3 yards of sediment

In addition to Butte Silver Bow Reclamation Crew Maintenance projects, Butte-Silver Bow Metro division completed the following activities in March:

- 2 DEQ and BSB storm water construction compliance inspections.
- Re-aligned storm sewer pipe on henry and Woolman
- Now storm sewer system infrastructure in George and Utah.

Superfund Storm Water Structures Operations and Maintenance Plan: Per requirements from EPA, BSB and its consultant WET will submit a Draft Interim Plan to EPA and DEQ prior to end-of-year.

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 Bi-Weekly Internal Superfund Update Meetings
- Received Modified TI Waiver Report from MSE Technology Applications Inc.
    - The report has been sanitized to remove all personal names and addresses
- Submitted Modified TI Waiver Report to MDEQ and EPA for Review
    - Received Approval Letter from EPA regarding Modified TI Waiver Report
    - Met with Health Department Staff regarding the recommendations made in the TI Waiver Report

D. GIS Activities

Primary work in the reporting period included:

- The CLAPAP (Clap) database has been updated with parcel information, and sample results from residences visited in early 2016.
- Draft maps of locations considered for 2016 planting projects have been plotted and are being evaluated.
- A map of existing Tree Pods was laid out, and plotted for “in house” Reclamation staff. A .Kmz file was exported, and uploaded onto Michele Bay’s work station for use with Tree Pod research and development.
- The four (4) Quadrant series, containing Butte Reclamation Evaluation System (BRES) Sites was modified, and three (3) sets plotted. This included two (2) different versions for review, and determination of which would be best for field going personnel.
- A selected property ownership map, highlighting the Met Tavern, 1375 Harrison Avenue and the Butte Priority Soils Operable Unit (BPSOU) boundary was completed. The map was to be used as a supporting document in the verification of the Met Tavern property not being included within the BPSOU boundary.
- The Reclamation Division was called to investigate a sinkhole in the vicinity of 26 S Rocker Road. A visual inventory did not reveal any inventoried Shafts or GPS Hazards in the vicinity of this property.
- A new map of an adjacent property owner request in the vicinity of Butte Reclamation Evaluation System (BRES) Site No.67, “The Silver Hill Dump,” was plotted for acting Land Records staff.

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 (April 2016)
933/935 Placer – Attic
3324 S. Montana – Attic

Projects Completed: (March 2016)
10 S. Crystal – Attic
1017 W. Park – Attic
904 Hornet – Attic
318 N. Jackson – Attic
845 W. Granite – Attic
845 W. Granite Carriage House – Attic
1026 Caledonia – Attic
1026 Caledonia – Interior cleaning
1100 Missouri – Attic
536 W. Silver – Attic
820 W. Mercury – Attic
1115 W. Silver – Attic

Upcoming projects:
1409 Warren – Attic
1208 N. Main – Attic
634 S. Montana – Attic
118 Minah – Yard
122 Minah – Yard
620 S. Montana – Yard

Projects Completed to date (2016) – 24
Properties Sampled to date (2016) – 23