Butte-Silver Bow Planning Board

February 11, 2016

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RE: January 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 January 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 – January 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 January 2016.

I. Operations and Maintenance Activities

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

Routine O&M. In January 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 05, 56, 160S, 159, 133, 134 and 121;
- Removed 100 yards of mine waste from slope south of the 600 block of Copper street;
- Hauled 140 yards of fill material to cap and prepare the slope south of the 600 block of Copper street for 6 inch rock armor:
- Installed 175 yards of rock armor over the slope south of the 600 block of Copper street:
- Installed new drop inlet South of Copper Street and installed 28 feet of six inch SC35 pipe to connect new drop inlet to an existing drop inlet;
- Constructed a 30ft X 30ft catch basin/sediment trap around the new drop inlet south of Copper street
- Removed sediment from areas adjacent to the walking trail on BRES Site 79

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 outcome of field reviews will inform the development of site-specific corrective actions to be implemented in spring and summer 2016.

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

Native Plants. Butte-Silver Bow is currently work with the Montana Tech native plant program staff to create site plans for 9 sites. A presentation of those areas will be provided to the BNRC in February. A preliminary report of target areas will be provided to EPA once finalized.

Excavation Review and Oversight. BSB personnel issued 16 Excavation and Dirt-Moving Permits during January 2016; 8 permits were issued for utility repairs, maintenance or upgrades

in the BPSOU. Permit locations are as follow:

- 100 Block of Jackson St, Wyoming Street, and 400 Block of West Galena;
- 600 Block Alley between West Park and West Galena Streets;
- 400 Block Alley between West Park and West Galena Streets;
- 200 Block of S. Jackson and South Washington; 400 Block of West Silver; 200 Block S. Jackson;
- Civic Center Parking Lots and the County Shops yard;
- 1118 W. Galena
- 855 S. Main

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 BMPs, 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 ice and snow from storm water ditches adjacent to access road to ensure proper storm water flow.
- Snow removal from roadways after each storm to ensure access.

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. Typical maintenance activities include:

- Continuous monitoring of CB8 and CB9;
- Cleaned by-pass grate at CB8 10 times;
- Installed lock system at the weirs on CB 8 and CB 9 to prevent tampering with the weir plates;
- Removed ice and sediment from the fore bay at CB 8;
- Installed BMPs at the Missoula Ball fields parking lot – Alternative snow storage area;
- Constructed a ditch on the south of the 600 Block of Copper Street to direct storm water to the new catch basin and drop inlet;.
- Removed ice from various storm water ditches to ensure proper flow;
- Continual snow removal from various sites to prevent erosion issues during spring run-off.

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.
- MS4 SW BMP inspection occurred at Bluebird Street, east of East Junior High School.
- 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.

C. Water Quality District Activities

- Attended weekly coordination meetings between the Water Quality District, Superfund, and Metro.
- Received and evaluated a complaint regarding a citizen who has current health issues which they attribute to drinking water from a private well in Butte during the 1990's.
    - Coordinated with the Agency for Toxic Substances and Disease Registry (ATSDR) and the Montana Department of Public Health and Human Services (DPHHS).
    - Both the ATSDR and Montana DPHHS drafted and sent a letter to the citizen regarding their concerns; these letters were reviewed during a conference call.
- Received and reviewed a Groundwater Monitoring Report regarding the Butte Justice Center.
    - Sent a Fact Sheet and Letter to all area residents concerning Nitrates in drinking water.
- Attended Stormwater BMP Evaluation Meetings.

D. GIS Activities

Primary work in the reporting period included:

- Review of procedures to produce Residential Metals Abatement Program reports. A short training to instruct new Superfund Division staff in the process to join cadastral line work in ArcMap to produce visual representation of sampled and abated parcels.
- GIS staff is transitioning some items to ARCGIS Online for remote access. Superfund themes were populated and emailed to Superfund staff for review and comment.
- The RMAP database was moved to the GIS file server and user permissions for secure access were developed.
- A map of storm water infrastructure in the vicinity of Scown Field, east of the intersection of Alabama Street and West Copper Street was plotted for review by Superfund staff.
- An intersection of tax parcels within the Butte Priority Soils Operable Unit (BPSOU) boundary produced a subset of just over seven thousand five hundred parcels. This property ownership attribute information was exported from Arc Map, edited in Excel and emailed to the Residential Metals Abatement Program (RMAP) staff.
- The four (4) Butte Reclamation Evaluation System (BRES) Quadrants, with site locations and acreage estimates were plotted for Community Enrichment (Weed Control) staff.
- All tax parcels intersecting a BRES Site are being reviewed in Land Records for the existence of Deed Restrictions and Covenants. This information will be added to the BRES Database to centralize documentation related to BRES Sites.
- Superfund staff has initiated a process to catalogue the BSB Document Library. Reports, analysis, maps and Construction Completion Reports (CCR) are included in this project. Several maps from the 1980's deemed significant were scanned to the GIS File Server.
- Staff scanned and copied technical drawings of the Butte-Silver Bow Maintenance Center and provided to State of Montana personnel.
- A map of Butte Reclamation Evaluation System (BRES) Sites, and storm water features in the vicinity of a Sutter Street parcel being offered in the February 2016 Tax Auction was provided to Planning staff.
- A map of BRES Sites, in an area south of the Corra Substation, and west of the Diamond Gallus Frame, is being reviewed for a potential Aspen Grove planting project, and was prepared for Reclamation staff.
- Site analysis is being conducted on nine (9) 2016 proposed planting projects.
- Public Works staff were contacted regarding the storage of snow in the parking lot of Missoula Avenue Little League fields, and asked if the runoff would create problems with Tree Pods, and BRES Sites in the vicinity.
- A map of BRES Sites east of N Excelsior Avenue, and north of W Woolman Street was provided to a representative of the National Affordable Housing Network. Parcels intersecting the Butte Priority Soils Operable Unit (BPSOU) boundary, were reviewed and attributes updated for querying purposes.
- A MT Pole map was revised and emailed to the Montana Standard for clarification.

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 (February 2016)
327 N. Wyoming – Attic
1009 Hornet – Attic
450 N. Idaho – Basement
1012 W. Quartz – Basement
Projects Completed (January 2016)
600 S. Montana – Attic
855 W. Granite – Attic
519 W. Aluminum – Attic
1120 Missouri – Attic
406 W. Broadway – Attic
1625 N. Main – Attic
2200 Farragut – Attic
Upcoming Projects
15 Bennet – Attic
612 W. Granite – Attic
1021 S. Wyoming – Attic
2122 Ottawa – Attic
929 S. Arizona – Attic
(Spring 2016)
620 S. Montana – Soil
118 Minah – Soil
122 Minah - Soil

Projects Completed to date (2016) – 7
Properties Sampled to date (2016) – 6

III. Other Activities

None this month.