



Butte-Silver Bow Planning Board



August 10, 2015

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RE: July 2015 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 2015.

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 2015

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 2015.

I. Operations and Maintenance Activities

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

Routine O&M. In July of 2015, 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.

In addition, crews started work from the 2014 BRES Evaluations. Specifically:

- BRES Site 120 -90 yards of sediment was removed and taken to the repository;
- Removed old fencing from the Mountain Con;
- BRES Site 73 cap repair included adding lime rock and top soil;
- BRES Site 74 cap repair included adding lime rock and top soil;
- BRES Site 75 cap repair included adding lime rock and top soil;
- BRES Site 172 cap repair included adding lime rock and top soil, site edges were repaired with the addition of gravel;
- BRES 72S site edges were repaired with the addition of gravel;
- BRES Site 57 cap repair included adding lime rock and top soil, site edges were repaired with the addition of gravel;
- BRES Site 83 cap repair included adding lime rock and top soil, site edges were repaired with the addition of gravel;
- BRES Site 82 cap repair included adding top soil to barren areas;
- BRES Site 81 cap repair included adding top soil to barren areas;
- BRES Site 94 cap repair included removal of exposed mine waste, adding lime rock and road mix to match existing grade;
- BRES Site 81 contoured area adjacent to the existing walking trail for drainage and repaired the cap by adding top soil;
- BRES Sites 51, 72, 72S, 79, 80, 172, 73, 74, 75, 76 removed garbage and debris;
- Repaired the North gate to the Original Mine yard on Woolman Street ;

BRES Corrective Action Plans (CAPs). BRES Field Evaluations were completed in July 2015. BSB GIS downloaded GIS features collected during the field evaluations of Quadrant 4. Upon completion of data quality assurance, a summary list of site evaluations will be prepared by the Reclamation Division for delivery to EPA and ARCO. This summary report will inform the development of site specific corrective action plans, including where necessary sampling and analysis and vegetation improvement plans. Corrective Action Plans will be developed upon completion of site visits by the Reclamation Division staff.

Vegetation and Weed Controls. BSB Weed Department staff continues to support BSB Reclamation Department's routine weed control, seeding and mowing obligations. The BSB Weed Department will include the sterilization of all appropriate BRES Sites, including pathways, walking trails, stormwater structures, engineered soil caps, etc, this season.

Native Plants. Montana Tech staff and BSB personnel have coordinated all plantings for 2015. Plantings will be placed at Caledonia Triangle and Scown Field, Missoula Ball Fields and the 11th Street Triangle. Montana Tech will complement trees and shrubs with smaller native grasses and flowers. Request for quotes was sent in late July for plant purchase and consultant quotes for installation. A contractor will be selected in August.

Excavation Review and Oversight. BSB personnel issued 23 Excavation and Dirt-Moving Permits during July of 2015; 6 permits were issue for properties in the BPSOU.

- 954 N. Main
- West Quartz & West Granite at Jackson, Washington, and Idaho (3 permits) – utility repairs/maintenance
- Montana Tech Way – 4 pits.
- 1300 W. Park – NRRC Addition at Montana Tech – footings/foundation.

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.

- Repaired the access road to the lower deck of the repository.
- Removed soil from the knock off grate at the repository.
- Removed materials from and re-graded the lower deck of the repository and constructed a berm along the north boundary 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. Typical maintenance activities include:

- Removed sediment from storm water ditch along North Main/Moulton Road.
- Removed sediment from storm water ditch along Bull Run gulch road/Ryan road
- Removed sediment from the walking trail at Montana Street and installed asphalt berms to prevent future damage to the area
- Removed sediment from the storm water ditch adjacent to the repository road.
- Removed sediment from traps and the fore bay at CB8 five times
- Cleaned algae and debris from the inlet screen at CB8 nine times

Kaw Avenue/Front Street Storm Water Project: BSB is currently processing the CCR for the Kaw Avenue storm water project to re-route BSB infrastructure and eliminate open ditches along BNSF property. WET, BNSF, AR, and EPA conducted a final site walkthrough on October 30, 2014 and a list of final punch list tasks was developed, which were completed by Wasley Excavation November 2014.

Superfund Storm Water Structures Operations and Maintenance Plan: Per requirements from EPA, BSB and its consultant WET are working on revisions to the Superfund Storm Water O&M Plan and associated reporting. Multiple working meetings have been conducted with discussions on how to incorporate maintenance needs/requirements on BRES sites and parts of the municipal system. A preliminary discussion is planned for BSB's May construction update meeting.

Silver Bow Street Storm Water Improvements: BSB is working on a storm water improvement project on Silver Bow Street. The area has experienced chronic flooding in the past. New pipe and inlets will be installed. Design work has been completed. Construction has not been scheduled.

George – Utah Street Storm Water Improvements: BSB is working on a storm water improvement project near the intersection of Utah and George Street. The area has experienced chronic flooding in the past. New pipe and inlets will be installed. Design work and proposed construction plans have been completed. Construction has not been scheduled. This project may need to be coordinated with potential restoration work proposed by NRDP.

Skateboard Park Storm Water Improvements: BSB is working on a storm water improvement project at the BSB Skateboard Park located off Continental Drive and Second Street. The skateboard park does not have an outlet; as a result, the park must be frequently pumped out after storm events. This project will design an outlet from the park to the BSB storm water system. Design work is in progress. Construction has not yet been scheduled.

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:

- CFWEP and Imagine Butte Resource Center have co-sponsored a project to bring awareness to storm water's impact on Silver Bow Creek. Local artists have selected an

Uptown storm drain and have painted murals around the stormwater inlets to ensure the public realizes waste flows directly to the creek.

- 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.

Street/Snow Maintenance Plan – Per EPA request, BSB has revised its street and snow maintenance plan. BSB awaits EPA comments on this plan.

C. Water Quality District Activities

- On-site wastewater work has continued throughout this period and well as review of subdivisions involving Sanitation in Subdivision Act.
- Several meetings along with transfer of files, reports, etc. occurred during the month for the transition of the Water Quality District to the newly re-organized Superfund Program within BSB.
- Well testing kits were provided to a private residence concerned about well water use for their residence in relation to Controlled Groundwater Areas. The property is outside of the boundary for any of these areas.

D. GIS Activities

Primary work in the reporting period included:

- **Maps**
 - GPS Shafts and Hazards maps and summary reports were also required. The GPS collection of hazards on W Daly Street and E Park Street were completed and site maps plotted. The 400 E Park Street location will be reviewed for accuracy with the return of the Reclamation Division. The vacant lot is to the south east of the noted Moonlight South Shaft, and the entire area appears to a low spot. This area brought up discussions about the historic location of the famed Neversweat Mine, rumored to overlook or be in the vicinity of the Moonlight Mine. A 1916 Sanborn map, showing the mine location, was registered to an August 1955 aerial photograph. Buildings polygons were used as the link to align the images. According to our analysis, the whole show was engulfed by the northwest wall of the Berkeley Pit.
 - ARCO Environmental has requested a compilation of all Superfund Source Area Sites. A polygon extraction, and draft Excel Worksheet was produced.

- The 2700 block of Argyle, as well as the 2100 block of Locust Street were mapped for Hazards and Shafts.
- 2100 block of Locust Street were mapped for Hazards and Shafts. The Reclamation Division required maps and property ownership information in the 900 block of N Main Street for project preplanning. Hard copy maps of the potential EK Days Downhill Bike route, with select property ownership, and the latest route delineation, were distributed to the Reclamation Division for review.
- **BRES Program**
 - 2015 Butte Reclamation Evaluation System (BRES) Quadrant Four (4) Field Evaluations have been completed. A get together to review the process, including the new digital components was attended. A site by site review was held using iPads and hard copy maps. The evaluators offered some database suggestions, or changes to make the data entry process more user friendly. The overall response from the evaluators was very positive, with the all of the database enhancements receiving enthusiastic reviews. Upon completion of the 2015 Butte Reclamation Evaluation System (BRES) Quadrant Four (4) field evaluations, GIS themes created using the iPads and Arc GIS Online were downloaded to the local GIS File Server. An initial review of these fifteen (15) digital data sets has been completed. Spatial editing, and attribute updates to ensure successful merges with our existing BRES base data have been underway throughout July.
- **Revegetation**
 - Existing large scale tree pods site maps were evaluated with seasonal field going personnel. A field containing a unique number or name will be calculated to promote better tracking of trees inventory. GPS collection of additional map features will be required to capture planting areas, such as the Montana Tech enhancements in the vicinity of the Butte-Silver Bow Pods along the BA&P pedestrian trail, from N Main to N Montana Street. The electronic capture, and reproduction of remaining planting projects for 2015 has been discussed.
 - Lilac planting projects at the Granite Mountain Memorial, and Texas Avenue which have not been included in our Tree Pods theme were GPS located. Some edits, and attribute updates remain before these new areas are merged with existing tree pod polygons. Additional point features in the vicinity of both projects areas were also inventoried, particularly decorative lighting at the Granite Mountain, and fence posts used to create linear map features at Texas Avenue.

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 2013 projects
- Re-insulating properties previously abated
- Paint inspections
- Residential soil/basement sampling

- Residential attic sampling
- Residential interior dust sampling
- Continuing lead education; extensive meeting with EPA and John Ray on enhancing the Community Outreach portion of the RMAP
- Provide use of HEPA vacuums
- Provide blood lead sampling through WIC clinic and establish database for blood lead results.

Projects in Progress (July 2015)

11 Buffalo – Soil
 1619 Dunn – Soil
 19/21 Gagnon – Soil
 709 N. Wyoming – Soil
 1005 W. Broadway – Soil
 901 W. Copper – Soil
 450 N. Idaho – Soil
 Mercury St. Lot behind 213 Curtis – Soil
 965 N. Main – Soil
 817 W. Diamond – Attic
 1814 Thornton – Attic
 518 N. Henry – Attic
 1941 Grand – Attic
 1130 Missouri – Attic
 405 W. Quartz – Attic
 1132 W. Woolman – Attic
 1737 Adams – Attic
 2026 Gaylord – Attic

Projects Completed: (July 2015)

1619 Dunn – Soil
 817 W. Diamond – Attic
 1814 Thornton – Attic
 518 N. Henry – Attic
 1941 Grand – Attic
 1130 Missouri – Attic
 405 W. Quartz – Attic
 1132 W. Woolman – Attic
 1737 Adams – Attic
 2026 Gaylord – Attic

Upcoming projects:

1112 Waukesha – Attic
 1009 Caledonia – Attic
 3246 Kennedy – Attic
 2412 Harvard – Attic
 815 Dexter – Attic

632 S. Dakota – Attic
735 9th Street - Attic
1910 Yale – Attic
632 S. Dakota – Soil
815 Dexter – Soil
530 N. Franklin – Soil
1211 W. Gold – Soil
118 Minah – Soil

Projects Completed to date (2015) – 70
Properties Sampled to date (2015) – 181

III. Other Activities

None this month.