



Butte-Silver Bow Planning Board

January 10, 2013

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RE: December 2012 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 December 2012.

Please contact me (497-6254) 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,

Jon C. Sesso
Planning Director/Superfund Coordinator
Butte-Silver Bow

Attachment: Monthly Report

CC: Lindy Hanson, AR Project Manager
BSB Personnel
E-Mail version sent to List-Serve

Monthly Report – December 2012

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 December 2012.

I. Operations and Maintenance Activities

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

During the reporting period, field activities were fully operational, yet reduced due to seasonal weather conditions.

BRES Corrective Action Plans (CAPs). BRES field maintenance was largely postponed due to the seasonal weather conditions. Routine site inspections have continued throughout the winter months and field activities are expected to resume in spring of 2013. Butte-Silver Bow staff spent December focusing on updates to the O&M database and preparing the annual O&M report due in January 2013.

AR contractors (TREC) provided BSB with the findings of the 2012 field evaluations and associated figures in December. Based upon the outcome of the 2012 evaluations, BSB is preparing the Corrective Action Plans for those sites. The Corrective Action Plans will be submitted to EPA for approval in January 2013 and upon approval implementation will commence in 2013.

Vegetation and Weed Controls. Weed control was postponed in December 2012 due to seasonal weather conditions.

Native Plants. Montana Tech personnel and BSB staff postponed field work in December due to seasonal conditions. Montana Tech staff and BSB personnel are in the process of planning the locations for new seed dispersal islands and intend to return to work implementing this plan in spring of 2013.

Maintenance of tree pods and seed dispersal islands is expected to resume in the spring and summer months of 2013.

Excavation Review and Oversight. In accordance with the Butte-Silver Bow Excavation and Dirt Moving Protocols, several private and commercial excavation sites were inspected by Butte-Silver Bow staff throughout December 2012. BSB inspected NorthWestern Energy’s pipeline installation along South Excelsior Street. BSB staff continues to monitor the Holiday Inn Express construction site verifying compliance with Excavation protocols. BSB provided a small volume of EPA approved grass seed mix to NorthWestern Energy contractors in order to re-seed recently reclaimed soils surrounding newly installed power poles.

Institutional Controls (ICs). The Reclamation crews continued to work with other Butte-Silver Bow staff (the Junk Vehicle Program, Parking Commission) to remove vehicles illegally parked on “vacant” BRES sites.

At the December 19th, 2012, Council of Commissioners Meeting Planning Director Jon Sesso presented a proposal to incorporate the Excavation Permit Process into the Butte-Silver Bow Municipal Code through the creation of an Ordinance. Council of Commissioners unanimously approved the motion directing the Chief Executive, County Attorney and Staff to prepare a DRAFT ordinance for Council review and approval.

Repository Maintenance. In December, ARCO presented BSB with copies of proposed designs for the future expansion of the Mine Waste Repository. BSB personnel met with ARCO and its consultants (Pioneer Technical) on-site to discuss the direction(s) of the Repository expansion. The repository boundaries and crest and toe of the repository waste were staked by Arco’s surveyors (Pioneer). At this time, it is believed the repository will expand in a due northerly direction.

During December, BSB personnel, including the Road Division of the Public Works Department, dozed the Repository.

No substantial problems were encountered in the reporting period.

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. Typical activities include:

- Inspecting facilities to identify maintenance needs (video, dye tracers, etc.)
- Removing debris (in inlets, pipes, and other conveyances)
- Eliminating illicit connections
- Removing sediment and cleaning catch basins
- Repairing and in some case rebuilding/replacing catch basins and lateral pipes

Specific project updates are included below:

Hydrodynamic devices (HDD). During the reporting period, the following activities were completed on installation of the hydrodynamic devices (HDD):

Warren Avenue HDD: BSB consultants (WET) submitted the Construction Completion Report (CCR) to EPA on August 17, 2012. No work conducted this period.

Buffalo Gulch-Webster Garfield HDD: BSB submitted (through consultant WET) the Construction Completion Report (CCR) to EPA on November 7, 2012. No work conducted this period.

Anaconda Road HDD: BSB consultant finalized the Construction Completion Report (CCR) for submittal to EPA. The CCR was submitted to EPA on November 23, 2012. No work conducted this period.

Texas Avenue HDD: BSB construction crews have been working on the new pipe alignment for the 42-inch RCP storm main from Walnut Street to the HDD location, and from the HDD location to its outfall into the Metro Storm Drain. BSB is also re-routing a storm main on Silver Bow Boulevard into the new alignment. EPA has required that this work be completed by the end of December 2012. WET has been providing design and construction oversight of this project.

An on-site inspection was completed on December 14, 2012 with representatives from EPA and BSB (and respective consultants). Work has been completed on the HDD structure, as well as all related pipe re-routing and manhole installation. A Construction Completion Report (CCR) of the HDD and new storm alignment will be completed within 90-days of the re-alignment completion.

BSB will submit a final surface reclamation plan to EPA and AR for consideration. Surface reclamation will be completed in 2013.

Buffalo Gulch East (Front Street) HDD: EPA has approved a request by BSB and Arco to postpone the installation of the Front Street HDD until more storm water data has been collected and analyzed. BSB and consultants (WET) are moving forward with evaluation of options for eliminating open ditches and potentially re-routing utilities in the area. Work is progressing on the ditch replacements. BSB and its consultant WET are coordinating with Arco, EPA, the railroad, and local property owners.

Montana Street: BSB and Arco (and respective consultants) are planning for the Montana Street HDD installation. Preliminary construction schedule has identified commencement as the week of January 28, 2013. A single HDD unit will be installed near the Pioneer Technical office building. A diversion box and storm main replacement will be installed in Montana Street.

Superfund Storm Water Structures Operations and Maintenance Plan. Butte-Silver Bow has requested Construction Completion Reports and/or as-built drawings for all Superfund structures and would like to inspect with the Agencies and AR prior to commencement of O&M activities. With assistance from EPA and AR, BSB has located most as-builts; however, there are a few that

have not been located. The final document will be completed once these inspections have been completed. BSB requested and received an extension for this project from EPA until September 2013.

Buffalo Gulch Storm Trunk Rehabilitation. Butte-Silver Bow and its contractors/consultants continue moving forward with the rehabilitation of the Buffalo Gulch storm water trunk main. Phase I of the project is complete, with approximately 3,800 feet of spiral wound PVC pipe installed and grouted. Butte-Silver Bow has started work on Phase II of Buffalo Gulch, which includes approximately 3,166 feet from Porphyry Street south to the HDD located in the former Webster Garfield School.

Construction is in progress on Phase II. Approximately 1,300-feet of pipe has been wound and grouted to date. Manhole replacements have been completed on Gold Street, Platinum Street, and Aluminum Street. Pipe winding and manhole replacement crews are currently working between First Street and Fremont Street.

Illicit Connections

Butte Silver Bow personnel (with design and construction oversight from consultants) continue to eliminate illicit sanitary connections at 66 and 68 W. Gold and 506 S. Dakota Street. Work will include re-routing the two sanitary connections, replacing a storm water inlet and lateral pipe, and re-building the road and sidewalk to remove a subsidence in the area. Work is in progress on these houses and will be completed by February 2013.

Water Re-Routes

Water line reroutes have been completed by BSB contractors (Hunter Brothers). Asphalt patching will be completed in the spring.

Missoula Gulch Storm Trunk Rehabilitation. In anticipation of future work in Missoula Gulch, and to save survey costs, Butte-Silver Bow completed underground laser survey work in Missoula Gulch. Construction work on this main has not been scheduled at this time.

Moulton Reservoir Storm Water Project. Butte-Silver Bow is working to improve road drainage and a failing culvert near the Moulton Water Treatment Plant. Design work is currently being conducted. Construction has not been scheduled.

St. Ann's Church Storm Water Project: Butte-Silver Bow is working on a storm water infrastructure project near St. Ann's Church to alleviate localized flooding problems. Design work is in progress. BSB is awaiting an easement from the Catholic Diocese prior to completion of the work. Construction is anticipated for spring 2013.

Reynolds Street Storm Water Project: Butte-Silver Bow is working on a storm water infrastructure project on Reynolds Street. Design work is in progress. Construction is anticipated for spring 2013.

New-Mahoney Street Project: Butte-Silver Bow is working on a grading plan and associated storm water improvements for a lot on New and Mahoney Street. Design work is in progress. Construction is anticipated for spring 2013.

Wynne Street Storm Water Project: Butte-Silver Bow is working on a storm water infrastructure project on Wynne Street to address recurring flooding problems, as well as new development proposals. Survey and design work is in progress.

Storm Water Ordinance/Site Reviews. Butte-Silver Bow 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. No site plans were reviewed in December 2012.

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. A Storm Water Pollution Prevention Plan (SWPPP) inspection and report for the County shop/corral is in progress. Additional upgrades to BSB's Storm Water Management Program (SWMP) are also in progress.

MPDES Storm Water Permit Assistance & Monitoring – Landfill and WWTP. BSB and its consultants have been working on compliance requirements for MPDES Industrial Storm Water permits for the Landfill and WWTP.

Edison Street Curb and Gutter Project. BSB is working on a curb and gutter project on Edison Street to remedy localized flooding. Concrete work was completed in November 2012. Asphalt patching will be completed in spring 2013.

Hornet Street Storm and Sanitary Improvements Project. BSB is working with the National Affordable Housing Network (NAHN) on a housing development on Hornet Street. Storm water upgrades will be required. Construction is anticipated for summer/fall 2013.

C. Water Quality District Activities

No new work completed during the reporting period.

D. GIS Activities

Primary work in the reporting period included:

- BRES redesign continued throughout the month of December. Several meetings were scheduled to generate ideas and solicit input from GIS, Metro, Weed, Residential Metals, and other programs involved in management of reclaimed lands. A descriptive model illustrating the fields and tables that will record data is currently being developed by BSB MIS staff. This model will guide database design and programming objectives.

- The SHEP (Superfund Health Excavation Protocol) permitting process was discussed. The system will be referenced throughout the database is accessible through the planning department, and although recent testing indicates some bugs exist, the SHEP program will be an important component in the process to draft a BSB Excavation Ordinance and design the new BRES database and track excavations within BPSOU.
- The Draft 2012 O&M report and Draft Corrective Action Plan (CAP) summary report were compiled from data provided by AR consultants and prepared for review and revision by the reclamation department. BRES site maps were plotted using the most recent aerial photography.
- GIS staff advised railroad consultants on BSB's BRES database and O&M database. The railroad seeks to manage their data in a format consistent with BSB. To assist the railroad, copies of both databases were provided.
- A 1955 aerial photo of the BPSOU was registered for spatial overlay to illustrate temporal and spatial change within the BPSOU.

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 2011 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 (December 2012)

1224 W. Aluminum – Attic
 1000 S. Dakota – Attic
 322 N. Alabama – Attic
 939 S. Arizona - Attic
 Property owner completion packets

Deed attachments for abated properties
Annual Report

Projects Completed: (December 2012)

1224 W. Aluminum – Attic
1000 S. Dakota – Attic
322 N. Alabama - Attic

Upcoming projects:

1323 Missouri – Attic
1148 W. Woolman – Attic
1025 Hornet – Attic
533 Franklin - Attic
1020 Caledonia – Soil
1008 Caledonia – Soil
Curtis Street Storm Water Site
358 E. Mercury – Soil

Projects Completed to date (2012) – 84
Properties Sampled to date (2012) – 251

III. Other Activities

No other activities this month.

Exhibits Attached: None this month.