

**United States Environmental Protection Agency
Region X
POLLUTION REPORT**

Date: Monday, September 3, 2007

From: Kathy Parker

Subject: Continuation of Removal Action

Black Butte Mine

Cottage Grove, OR

Latitude: 43.5789000

Longitude: -123.0686000

POLREP No.:	2	Site #:	10EK
Reporting Period:	08/25/07 - 09/03/07	D.O. #:	0009
Start Date:	8/20/2007	Response Authority:	CERCLA
Mob Date:	8/19/2007	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	OR0000515759	Contract #	EP-R7-07-02
RCRIS ID #:			

Current Activities

Saturday 8/25/07

Personnel on site: EPA OSC Kathy Parker, 2 USCG, 1 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator.

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site safety meeting. Continue excavating West Tailings and stockpiling material in the Repository, at the flat top of the West Tailings, and

some material being used to cap the New Furnace. New Furnace area mostly complete with an 18-24 inch cap above contaminated soil. East

Tailings area mostly complete, with drainage bench in place. Discovered that extent of contamination downstream of Old Furnace area is more

widespread than originally perceived. Sample analysis shows higher readings in a wider area and ERRS contractors began to prep area around

Old Furnace for excavation.

Took 5 XRF readings. START and ERRS walked Furnace Creek to determine extent of contamination and length of creek and creek bank to be

excavated. ERRS measured 1100 feet from the Old Furnace to Garrouette Creek.

Data ram D422

Time: 0724-1700

Temp high-low: 106-59F

Humidity high-low: 75-21

Average mass: 0.029 mg/m3

Max mass: 1.785 mg/m3

Log period: 00:00:20

Sunday 08/26/07 No site work

Monday 08/27/07

Personnel on site: EPA OSC Kathy Parker, 2 USCG, 1 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site safety meeting. Continued excavation on west slope above Dennis Creek. Used both large excavators on west slope. One used to

excavate and dump up slope and the other to pick the material up and swing it up slope for the front end loader to move. Haul material excavated

from the west slope to cap the Old Furnace Creek area. (77 loads to Old Furnace area/5 loads to Repository). Continued to clear the area

around Old Furnace and east along the creek bank. Capping around Old Furnace Creek half done. Made visit to Weyerhaeuser rock quarry on

their property at the end on London Rd. They have all the rock that we need for the project. START and USCG continued taking XRF readings for

the remainder of the Furnace Creek, from pin flag 4051 and stopped at 4060. Took 28 readings (300 ft). 6 XRF readings of the New Furnace

area and 26 XRF readings in the Furnace Creek.

0930 – 1 excavator inoperable. Repair man arrived on site and got all equipment in working order

USCG put Dataram out on West pile but forgot to turn it on so no data was collected for fugitive dust.

Tuesday 8/28/07

Personnel on site: EPA OSC Kathy Parker, 2 USCG, 4 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 site Safety Meeting. Continued excavation on west slope above Dennis Creek. Used both large excavators on west slope. One used to

excavate and dump up slope and the other to pick the material up and swing it up slope for the front end loader to move. Haul material excavated

from the west slope to cap the Old Furnace Creek area. Hauled 50 loads to Repository, 9 loads to New Furnace area ,25 loads to Old Furnace

area. Continued to clear the area around Old Furnace and east along the creek bank. Capping around Old Furnace Creek is half done.

Excavated sample holes and extent of contaminated soil downstream of Old Furnace area. Made a road from Mine road to the Old Furnace

tailings pile. Dug a 20' long 5' deep trench at Old Furnace tailings pile. Visit made by START engineers to review work in progress and

investigate projected activities. 2 START and 2 USCG conducted 46 XRF readings in the Furnace Creek (from 10EK-4061 to Garrouette Creek

bank). START collected 58 soil samples from same area. USCG took 5 XRF readings along new road and 3 XRF readings in trench. START

and USCG collected 68 soil samples (10EK-6101 thru 10EK-6168) along the south bank of Furnace Creek.

Data Ram D422

Time: 0745-1658

Temp high-low: 98-56F

Humidity high-low: 68-22

Average mass: 0.028mg/m³

Max mass: 0.688mg/m³

Log period: 00:00:20

Wednesday 8/29/07

Personnel on site: EPA OSC Kathy Parker, 2 USCG, 2 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 front loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20'

conex, 45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site Safety meeting. OSC advised ERRS, START, USCG that site work will continue on the Saturday and Monday of Labor Day weekend.

Continued excavation on west slope above Dennis Creek. Used both large excavators on west slope. One used to excavate and dump up slope

and the other to pick the material up and swing it up slope for the front end loader to move. Hauled material excavated from the west slope to cap

the Old Furnace Creek area - 65 loads to Repository, 30 loads to Old Furnace area. Excavated sample holes next to creek alongside of Old

Furnace location. Cleared brush in and along Furnace creek on the west toe of creek slope. Received 150 bales of straw to be used for

sediment controls. USCG conducted XRF readings on the soil samples taken from Furnace Creek on 8/28/07. START analyzed samples from

Furnace Creek on Lumex. e.

DataRam D422

Time: 726-1656

Temp high-low: 115-58F

Humidity high-low: 73-15

Average mass: 0.029mg/m³

Max mass: 0.955mg/m³

Log period 00:00:20

Thursday 8/30/07

Personnel on site: EPA OSC Kathy Parker, 1 USCG, 1 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site Safety Meeting. Continued excavation on west slope above Dennis Creek. Used both large excavators on west slope. One used to

excavate and dump up slope and the other to pick the material up and swing it up slope for the front end loader to move. Excavation and grading

of west slope nearly done. Hauled material excavated from the west slope to cap the Old Furnace Creek area -73 loads hauled from west slope

to Old Furnace area for cap. Capped excavation area near Old Furnace area. Received new gate that will be installed at the entrance to site.

Continue dust control by applying water with the water truck. USCG and START conducted 8 XRF readings at Old Furnace area to mark cap

boundaries. Conducted 10 XRF readings on the New Furnace road area for clean top soil. Conducted 20 XRF readings on Tailings Pile East.

ODEQ Bryn Thoms, EPA CIC Judy Smith and representative from Governor Kulongowski's office arrived on site in morning and three news

crews arrived later. News cameras filmed site activities and interviews at east and west tailings piles and New Furnace.

No Data Ram data due to USCG accidentally erasing the data.

Friday 8/31/07

Personnel on site: EPA OSC Kathy Parker, 1 USCG, 1 START, 9 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site Safety Meeting. Completed excavating Main Tailings Pile West. Completed hauling excavated material from Tailings Pile West to Old

Furnace area for capping. Finished clearing and capping Old Furnace area. Started hauling top soil from slope near New Furnace area to Main

Tailings Pile East. Installed new security gate to site. Started deploying straw bales on Main Tailings Pile East and Main Tailings Pile West for

erosion control. Demobilized 3 ERRS, OSC and START. USCG and START conducted 24 XRF readings on Tailings Pile West. USCG and

START collected 41 sediment samples from Dennis Creek from 200' upstream of Dennis Creek Adit to Garoutte Creek, then collected 9

sediment samples from Garoutte Creek from 400' downstream from Dennis Creek to 400' upstream of Old Furnace Creek.

DataRam: D422

Time: 0754-1700

Temp high-low: 100-60F

Humidity high-low: 75-25

Average mass: 0.031mg/m³

Max mass: 0.331mg/m³

Log period 00:00:20

Saturday 01-Sep-07

Personnel on site: USCG Richard Moore, 6 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site Safety Meeting. Completed grading and compacting slopes and benches on west slope. Placed straw bales at the toe and on the

bench of the slope and staked where necessary with wooden stakes. Completed water bars on the west slope. Continued dust control by

applying water with the water truck. Continued to excavate and haul top soil to east and west slopes. Started spreading soil on the west slope.

USCG analyzed 50 dried sediments taken from Dennis Creek and Garrouette Creek with XRF.

DataRam: D422

Time: 0752-1700

Temp high-low: 115-60F

Humidity high-low: 70-18

Average mass: 0.006mg/m³

Max mass: 0.956mg/m³

Log period 00:00:20

Sunday 9/2/07 No site work

Monday 9/3/07

Personnel on site: EPA OSC Kathy Parker, 1 USCG, 1 START, 6 ERRS Contractors

Equipment on site: 2 excavators, 1 dozer, 1 loader, 1 haul truck, 1 mini-excavator, 1 water truck, 1 service truck, 2 - 10x40' trailers, 20' conex,

45KW generator

Site Conditions: A.M Clear and cool, calm winds. PM: hot and dry

0700 Site Safety Meeting. Finished placing topsoil on west and east tailings piles. Started washing equipment in preparation for demobilization. USCG and START checked Old Furnace cap, and haul road with XRF. START analyzed 50 dried sediments taken from Dennis Creek and Garrouette Creek with Lumex. Continued to transcribe and compile sampling data.

DataRam: D422

Time: 0732-1656

Temp high-low: 118-59F

Humidity high-low: 78-15

Average mass: 0.009mg/m³

Max mass: 1.24mg/m³

Log period 00:00:20

Next Steps

Decontaminate and demobilize equipment and personnel.

response.epa.gov/BlackButteMineRemoval