

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

Date: Wednesday, September 30, 2009

From: Kathy Parker, OSC

To: Debbie Bailey, ODEQ
Anthony Barber, EPA Region 10 (POLREP List)
Chris Field, EPA Region 10 (POLREP List)
Lori Cohen, EPA Region 10
Ken Itel, Clackamas County
Dan Opalski, EPA Region 10 (POLREP List)
Deb Yamamoto, EPA
Tara Aarnio, Oregon Iron Work

Subject: Continuation of Site Work - Week 4
Northwest Pipe and Casing
9585 Mather Road, Clackamas, OR
Latitude: 45.4149000
Longitude: -122.5200000

POLREP No.:	5	Site #:	10G8
Reporting Period:	09/19/09 to 09/25/09	D.O. #:	
Start Date:	8/12/2009	Response Authority:	CERCLA
Mob Date:	8/12/2009	Response Type:	Time-Critical
Demob Date:		NPL Status:	NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	ORD980988307	Contract #	
RCRIS ID #:	ORD980988307		

Current Activities

This Polrep covers Site work performed from Saturday 9/19/09 through Friday 9/25/09. Work on site began at 7am and ended at 5:30pm unless otherwise noted.

Saturday 9/19/09

On-site today: OSC Parker, 2 START, 12 ERRS. Safety Meeting at 7 am.

Excavation:

- * Finished excavating and installing shoring in Excavation Area 1/Shore System 1/Bay4. Sample collected from 25 feet bgs south wall and shipped to F&B lab with a trip blank for VOAs.
- * Started excavating and installing shoring in Excavation Area 1/Shore System 2/Bay1.
- * Pea gravel backfill pile sampled and shipped to F&B lab.

Containment Cells:

- * Containment cell 7 closed. Start filling cells 8 and 9.
- * Containment cell 8 sampled and shipped to F&B lab.
- * Covered all containment cells containing soil with sheet plastic.

Water Treatment System:

- * Continued filling dirty tanks 2 and 3 from excavation.

Other work:

- * Watered roads for dust suppression.
- * Added three inch minus rock to haul truck roads to reduce damage to site from wet conditions.
- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * OSC and START PM met to discuss revised scope of work to stay within START budget.
- * Polrep #4 written, posted and emailed.
- * Water sampling plan drafted and reviewed.
- * Site secured for Sunday off.

Site work ended at 430pm

Sunday 9/20/09 - no site work, some showers

Monday 9/21/09

On-site today: RPM Ader, 2 START, 12 ERRS. Safety Meeting at 7 am.

Excavation:

- * Continued excavating and installing shoring and scaffolding in Excavation Area 1/Shore System 2/Bay1.

Containment Cells:

- * Containment cells 8 and 9 closed. Start filling cell 10.
- * Containment cells 9 and 10 sampled and shipped to F&B lab with a trip blank.
- * Removed sheet plastic from all containment cells containing soil to allow it to dry o

Water Treatment System:

- * Continued filling dirty tanks 2 and 3 from excavation.

Other work:

- * Watered roads for dust suppression.
- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * Water sampling plan signed.

Tuesday 9/22/09

On-site today: RPM Ader, 2 START, 12 ERRS. Safety Meeting at 7 am.

Excavation:

- * Finished excavating and installing shoring in Excavation Area 1/Shore System 2/Bay1. Sample collected from 25 feet bgs west wall and shipped to F&B lab with a trip blank for VOAs.
- * Started excavating and installing shoring in Excavation Area 1/Shore System 2/Bay2.

Containment Cells:

- * Filled and closed containment cell 11, sampled and shipped to F&B lab with a trip blank.
- * Started to stock pile contaminated soil from containment cells 1 to 6 for subtitle D disposal.

Water Treatment System:

- * Continued filling dirty tanks 2 and 3 from excavation.
- * Sent dirty water from tanks 1 to 3 through the water treatment system into clean holding tanks 6 to 9.
- * Sampled treated water from holding tank #7, untreated water from holding tank #1 and a carbon filter sample and shipped to F&B lab.

Other work:

- * Watered roads for dust suppression.
- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.

Wednesday 9/23/09

On-site today: OSC Parker, 1 START, 12 ERRS. Safety Meeting at 7 am.

Excavation:

- * Finished excavating and installing shoring in Excavation Area 1/Shore System 2/Bay2. Sample collected from 25 feet bgs excavation floor and shipped to CLP lab with a trip blank for VOAs.
- * Started excavating and installing shoring in Excavation Area 1/Shore System 2/Bay3.

Containment Cells:

- * Filled and closed containment cells 12, 13, 14; sampled and 3 soils shipped to F&B lab with a trip blank.
- * Continued to stock pile contaminated soil - from containment cells 7 to 9 - for subtitle D disposal.

Water Treatment System:

- * Continued filling dirty tanks 1 to 3 from excavation.
- * Sent dirty water from tanks 1 to 3 through the water treatment system into clean holding tanks 6 to 9.

Other work:

- * Watered roads for dust suppression.

- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * Amendment backfill design planned with OSC, RPM, Parametrix, CDM, and site crew to include adding a chitin amendment to certain parts of these backfilled volumes. Chitin ordered for local supplier.
- * Discussed type of backfill material and compaction requirements for the excavation with Oregon Iron Works and Harris Group.

Thursday 9/24/09

On-site today: OSC Parker, 1 START, 13 ERRS. Safety Meeting at 7 am.

Excavation:

- * Finished excavating and installing shoring in Excavation Area 1/Shore System 2/Bay3.
- * Started excavating and installing shoring in Excavation Area 1/Shore System 2/Bay4.

Containment Cells:

- * Filled and closed containment cells 1 to 3; sampled and 3 soils shipped to F&B lab with a trip blank.
- * Continued to stock pile contaminated soil - from containment cells 6 to 9 - for subtitle D disposal.

Water Treatment System:

- * Continued filling dirty tanks 1 and 2 from excavation.
- * Sent dirty water from tanks 1 to 3 through the water treatment system into clean holding tanks 6 to 9.
- * Collected a composite sample from treated water holding tanks #8 and #9 and shipped to F&B lab

Other work:

- * Watered roads for dust suppression.
- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * Received 7 one ton bags of Chitin amendment (crab bone meal) from local supplier.
- * Discussed type of backfill material and compaction requirements for the excavation with Oregon Iron Works, Harris Group, Geodesign, and Clackamas County. Agreed to use clean sand and pea gravel between 25 and 15 feet bgs and three inch minus between 15 and 6 feet bgs.
- * Final ERRS funding agreement reached between Removal Manager and RPM and that information transmitted to regional EPA Purchasing Officer.

Friday 9/25/09

On-site today: OSC Parker, 2 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

- * Finished excavating and installing shoring in Excavation Area 1/Shore System 2/Bay4. Samples collected from 25 feet bgs excavation floor in bays 1/2/3 and 1/2/4; shipped to CLP lab.
- * Started backfilling Excavation Area 1/Shore System 1 with pea gravel, sand, three inch minus rock, and chitin at 7 pounds per cubic yard of backfill, including digging the chitin three feet deep into the excavation floor.

Containment Cells:

- * Filled and closed containment cells 1 to 3; sampled and 3 soils shipped to F&B lab with a trip blank.
- * Continued to stock pile contaminated soil - from containment cells 9 to 14 - for subtitle D disposal.
- * Loaded and shipped out 26 truck loads (707 tons) of excavation soil to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks 1 to 3 from excavation.
- * Sent dirty water from tanks 1 to 3 through the water treatment system into clean holding tanks 10 to 11.
- * Collected a composite sample from treated water holding tanks #8 and #9 and shipped to F&B lab

Other work:

- * Watered roads for dust suppression.
- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * Collected sand backfill sample and sent to F&B lab for analysis.
- * Conference call with OSC, START PM and START supervisor to settle on scope of START tasks.
- * Discussions with subtitle D landfill indicated containment cell sampling can be reduced to testing just one

cell out of eight rather than every cell. OSCs directed site crew to sample every 4th or 5th cell for the next week to verify the analytical results continue to be consistent.

Planned Removal Actions

Excavate contaminated soil, backfill and cap to specifications.

Next Steps

1. Excavate contaminated soil and transport to appropriate landfill.
2. Backfill excavations with adequate compaction
3. Include soil amendment in backfill
4. Cap excavations with specified capping material
5. Design layout of and install slide shoring for excavation area 2

Key Issues

1. Safety of crew around deep excavations
2. Adequate control of contamination spread

Note on costs:

ERRS costs are through 9/25/09 and do not include pending.

START costs are through 9/25/09 and include pending.

EPA costs - both direct and indirect - will not be summarized until the Final Removal Report is completed.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$2,060,000.00	\$335,349.00	\$1,724,651.00	83.72%
START	\$100,000.00	\$63,252.66	\$36,747.34	36.75%
Intramural Costs				
Total Site Costs	\$2,160,000.00	\$398,601.66	\$1,761,398.34	81.55%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

response.epa.gov/nwpc

POLREP #5 Last Updated 11/9/2009