

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

Date: Wednesday, September 30, 2009

From: Kathy Parker, OSC

To: Debbie Bailey, ODEQ
Tara Aarnio, Oregon Iron Work
Ken Itel, Clackamas County

Subject: Continuation of Site Work - Week 5
Northwest Pipe and Casing
9585 Mather Road, Clackamas, OR
Latitude: 45.4149000
Longitude: -122.5200000

POLREP No.:	6	Site #:	10G8
Reporting Period:	09/26/09 to 10/02/09	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 9/26/09 through Friday 10/2/09. Work on site began at 7am and ended at 5:30pm unless otherwise noted.

Saturday 9/26/09

On-site today: OSC Parker, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

* Excavation Area 1/Shore System 1: dug the chitin into a three foot depth of soil at the bottom of the excavation. Finished removing shoring and backfilling with pea gravel, sand, three inch minus rock, and chitin at 7 pounds per cubic yard. Watered each three foot lift of sand.

*Started moving the shoring to Excavation Area 1/Shore System 3/Bay 1.

Containment Cells:

Covered containment cells and stock piles with sheet plastic to protect from rain over the weekend.

Water Treatment System:

* Continued filling dirty tanks 1 to 3 from excavation

Other work:

* Industrial Hygienist performed a safety audit and provided site crew with recommendations for improving safety on the site. RM made immediate changes where hazards had been identified (e.g. moving the Portapotty out of the swing radius of the excavator arm and the refueling station farther from the garbage dumpster). OSC and RM assembled a list of tasks to address the remaining recommendations.

* PID calibrated and used in dirty Excavator and miniexcavator.

* No dust suppression or monitoring performed due to rainy weather.

Sunday 9/27/09 - no site work

Monday 9/28/09

On-site today: OSC Heister, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

* Started excavating and installing shoring in Excavation Area 1/Shore System 3/Bay1. Sample collected from 13 feet bgs wall and shipped to F&B lab with a trip blank for VOAs.

* Flushed the floor of Excavation Area 1/Shore System 2 with water and pumped it out.

Containment Cells:

* Continued to fill containment cells 4 to 7.

* Containment cell 6 sampled and shipped to F&B lab with a trip blank.

- * Loaded and shipped out 32 truck loads (1024 tons) of excavation soil to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks 1 to 3 from excavation.
- * Sent water through the water treatment system to holding tanks 10 and 11.

Other work:

- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No dust suppression or monitoring performed due to rainy weather.

Tuesday 9/29/09 cool and rainy

On-site today: OSC Franklin, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

- * Continued excavating and installing shoring in Excavation Area 1/Shore System 3/Bay1. Sample collected from 25 feet bgs wall and shipped to F&B lab with a trip blank for VOAs.
- * Started excavating and installing shoring in Excavation Area 1/Shore System 3/Bay 2
- * Excavation Area 1/Shore System 2: flushed bottom of excavation with clean water, pumped out dirty water and started backfilling with chitin and Daramend amended soil.

Containment Cells:

- * Continued to add soil to containment cells #7, #8, and #9.
- * Loaded and shipped out 34 truck loads (1088 tons) of excavation soil to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks 1, 2 and 3 from excavation.
- * Sent dirty water from tanks 1 to 3 through the water treatment system into clean holding tanks #10 and #11.
- * Forwarded analytical data from water treatment systems samples to Clackamas county Water Environmental Services who looked at the data and emailed an approval to discharge the current batch of treated water. Site crew set up barricades around the manhole to the sewer intake, placed the discharge line securely in the intake hole and set the manhole cover on top of the discharge line.

Other work:

- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No dust suppression or monitoring performed due to rainy weather.

Wednesday 9/30/09 cool and rainy

On-site today: OSC Franklin, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

- * Excavation Area 1/Shore System 3/Bay2: Finished excavating and installing shoring, collected soil sample from the floor at 25 feet bgs.
- * Excavation Area 1/Shore System 3/Bay3: Finished excavating and installing shoring, collected soil sample from the floor at 25 feet bgs.
- * Excavation Area 1/Shore System 3/Bay4: started excavating and installing shoring.
- * Two samples shipped to CLP lab with a trip blank for VOAs.
- * Excavation Area 1/Shore System 2: continued removing shoring and backfilling with chitin and Daramend amended pea gravel, sand and rock.

Containment Cells:

- * Continued adding soil to containment cells #10 and #11.
- * 39 truck loads of contaminated soil taken to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks #1, #2 and #3.
- * Pumped dirty water from dirty tanks #1, #2 and #3 through the water treatment system to clean tanks #10, #11, #12 and #13.
- * At 7:30am, started treated water flowing from treated water holding tanks 6 through 9 to the sewer intake at approximately 100 gallons a minute. 40,100 gallons of water was discharged until it ceases to flow at around 2pm. The current plan is to discharge slowly and only during daylight hours.

Other work:

- * PID calibrated and used in dirty Excavator and miniexcavator.
- * No dust suppression or monitoring performed due to rainy weather.

Thursday 10/1/09 cool and rainy

On-site today: OSC Franklin, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

- * Excavation Area 1/Shore System 3/Bay4: finished excavating and installing shoring. Sampled at 10 feet bgs and 25 feet bgs on eastern wall.
- * Excavation Area 1/Shore System 4/Bay1: started excavating and installing shoring
- * Excavation Area 1/Shore System 2: continued removing shoring and backfilling with chitin and Daramend amended pea gravel, sand and rock.

Containment Cells:

- * Continued adding soil to containment cells #11 through #14.
- * Sampled containment cell #11 and shipped to CLP lab with a trip blank.
- * 37 truck loads of contaminated soil taken to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks #1, #2 and #3.
- * Pumped dirty water from dirty tanks #1, #2 and #3 through the water treatment system to clean tanks #10, #11, #12 and #13.

Other work:

- * No dust control or dust monitoring performed due to rainy weather.
- * PID calibrated and used in dirty Excavator and miniexcavator.

Friday 10/2/09 cool and rainy

On-site today: OSC Franklin, 1 START, 14 ERRS. Safety Meeting at 7 am.

Excavation:

- * Excavation Area 1/Shore System 4/Bay1: continued excavating and installing shoring. Sampled at 10 feet bgs and 25 feet bgs on western wall.
- * Excavation Area 1/Shore System 2: finished backfilling with chitin and Daramend amended pea gravel, sand and rock.

Containment Cells:

- * Continued adding soil to containment cells #13, #14 and #1.
- * 28 truck loads of contaminated soil taken to Subtitle D landfill.

Water Treatment System:

- * Continued filling dirty tanks #1, #2 and #3. Approximately 500 gallons overflowed from tank #2, spilling onto the soil west of tanks #1 - #3 and south of tank #1.
- * Sampled treated water tank #10 which represents treated water tanks #10, #11, #12 and #13.
- * Collected samples of untreated water from tank #3 and between the two carbon filters.
- * Pumped dirty water from dirty tanks #1, #2 and #3 through the water treatment system to clean tanks #6, #7, #8 and #9.
- * Discharged 11,400 gallons treated water to the POTW sewer intake.

Other work:

- * No dust control or dust monitoring performed due to rainy weather.
- * PID calibrated and used in dirty Excavator and miniexcavator.

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 10/2/09 and do not include pending.

START costs are through 10/2/09 and include pending.

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

response.epa.gov/nwpc