United States Environmental Protection Agency
Region X
POLLUTION REPORT

Date: Friday, October 9, 2009
From: Kathy Parker, OSC

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

Subject: Continuation of Site Work - Week 6
Northwest Pipe and Casing
9585 Mather Road, Clackamas, OR
Latitude: 45.4149000
Longitude: -122.5200000

POLREP No.:	7	**Site #:**	10G8
Reporting Period:	10/3/09 to 10/8/09	**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 10/3/09 through Thursday 10/8/09. Work on site began at 7am and ended at 5:30pm unless otherwise noted.

Saturday 10/3/09 cool and rainy
On-site today: OSC Franklin, 14 ERRS. Safety Meeting at 7 am.
Excavation:
* Excavation Area 1/Shore System 4/ Bay 2: finished installing shoring and excavating.
* Excavation Area 1/Shore System 4/ Bay 3: started installing shoring and excavating.
* Excavation Area 1/Shore System 3: started removing shoring and backfilling with pea gravel, sand, 3 inch minus rock, chitin and iron amendment.
Containment Cells:
*Continued adding soil to containment cells #13, #14, #1, #2, #3

Water Treatment System:
* Pumped dirty water through water treatment system from tanks #1, #2 and #3 to tanks #6, #7, #8, and #9.

Other work:
No dust suppression performed because it rained most of the day.
Secured site for Sunday off.

Sunday 10/4/09 - no site work

Monday 10/5/09
On-site today: OSC Franklin and OSC Parker, 1 START, 14 ERRS. Safety Meeting at 7 am.
Excavation:
* Continued excavating and installing shoring in Excavation Area 1/Shore System 4/Bay3.
* Started excavating and installing shoring in Excavation Area 1/Shore System 4/Bay4
* Continued removing shoring and backfilling Excavation Area 1/Shore System 3 with pea gravel, sand, three inch minus rock, chitin and iron soil amendment.
Containment Cells:
* Continued to fill containment cells 4 to 6.
* Loaded and shipped out 16 truck loads of excavation soil to Subtitle D landfill.

Water Treatment System:
* Continued filling dirty tanks 1 to 3 from excavation.

* Pumped water from tanks 1, 2 and 3 through treatment system into tanks 6 through 9, 14, and 15.
* Sampled treated water in tank 6 representing tanks 6 through 9, 14 and 15.

Other work:
* PID calibrated and used in dirty Excavator and miniexcavator.
* No dust control measures taken as soil was still wet from the previous week's rain. Dust monitoring performed and no exceedances noted.

Tuesday 10/6/09
On-site today: OSC Parker, 1 START, 14 ERRS. Safety Meeting at 7 am.
Excavation:
* Continued excavating and installing shoring in Excavation Area 1/Shore System 4/Bay4.
* Started excavating and installing shoring in Excavation Area 1/Shore System 5/Bay 1
* Continued backfilling Excavation Area 1/Shore System 3 with chitin and Daramend amended soil.
* 4 Samples collected: Excavation Area 1/Shore System 4/Bay 2 floor, Excavation Area 1/Shore System 4/Bay 3 floor and Excavation Area 1/Shore System 4/Bay 4 at 12 feet bgs and 25 feet bgs on east wall. Shipped to CLP lab.
Containment Cells:
* Continued to add soil to containment cells 7 to 9.
* Loaded and shipped out 32 truck loads (1024 tons) of excavation soil to Subtitle D landfill.
* Spread the wettest soil out on sheet plastic to dry during the drier weather.

Water Treatment System:
* Continued filling dirty tanks 1, 2 and 3 from excavation.

Other work:
* PID calibrated and used in dirty Excavator and miniexcavator.
* Dust control performed. Dust monitoring indicated no exceedances.

Wednesday 10/7/09
On-site today: OSC Parker, 1 START, 14 ERRS. Safety Meeting at 7 am.
Also on-site today: RPM Ader, ODEQ Debbie Bailey and Parametrix Eric Roth
Excavation:
* Continued excavating and installing shoring in Excavation Area 1/Shore System 5/Bay1.
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 5/Bay2.
* Finished backfilling Excavation Area 1/Shore System 3 with chitin and Daramend amended soil and started backfilling Excavation Area 1/Shore System 4.
Containment Cells:
* Continued adding contaminated soil to containment cells 9, 10, 11, 12, and 13.
* Continued to spread out wet contaminated soil in stockpile to dry with the dry weather.
* Loaded and shipped out 27 truck loads (864 tons) of excavation soil to Subtitle D landfill.

Water Treatment System:
* Continued filling dirty tanks 1, 2 and 3 from excavation.
* Replaced 3 inch submersible pump in the excavation area with a 4 inch submersible pump to keep up with water flow into the excavation from the surrounding area.
* At 7:30am, started treated water flowing from treated water holding tanks 10 through 13 to the sewer intake at approximately 100 gallons a minute. ERRS walked the line to inspect for leaks. 68,500 gallons of water was discharged until the tanks were completely emptied at around 4pm.

Other work:
* PID calibrated and used in dirty Excavator and miniexcavator.
* Dust control performed. Dust monitoring indicated no exceedances.
* RPM Ader, ODEQ Debbie Bailey and Parametrix Eric Roth onsite to assist in determining shoring layout for excavation area 2. OSC made the decision to remove the two foot cap over a large area around excavation area 2 to inspect underlying soil for visible signs of solvent spills and coal tar. Shoring layout will be decided after inspection of the soil.

Thursday 10/8/09
On-site today: OSC Parker, 1 START, 14 ERRS. Safety Meeting at 7 am.
Excavation:
* Continued excavating and installing shoring in Excavation Area 1/Shore System 5/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 5/Bay3.

* Continued backfilling Excavation Area 1/Shore System 4 with chitin and Daramend amended soil.
* Cleared two foot cap of excavation area 2 and found coal tar and pipes between Test Pit (TP14) and TP24 at 2.5 feet bgs to 5 feet bgs. Excavator followed the trench southward. Moved contaminated soil from this trench into an isolated containment cell until we determine whether to include it with the soil from excavation area 1.

Containment Cells:
* Continued adding contaminated soil to containment cells.
* Continued to spread out wet contaminated soil in stockpile to dry with the dry weather.
* Loaded and shipped out 29 truck loads of excavation soil to Subtitle D landfill.

Water Treatment System:
* Continued filling dirty tanks 1 through 3 from excavation.
* At 7:30am, started treated water flowing from treated water holding tanks 6 through 9 and 14 and 15 to the sewer intake at approximately 100 gallons a minute. ERRS walked the line to inspect for leaks. The water meter quit working after about an hour of discharge. Discharged volume was calculated to be 90,000 gallons of water, determined by the height of water in the tanks before and after discharge.

Other work:
* PID calibrated and used in dirty Excavator and miniexcavator.
* Dust control performed. Dust monitoring indicated no exceedances.
* Collected a 7 point composite from the overburden pile from Excavation Area 1. Shipped out the next day to F&B lab for SVOC, VOC, PCB and metals.

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 10/8/09 and do not include pending.
START costs are through 10/8/09 and include pending.
EPA costs - both direct and indirect - will not be summarized until the Final Removal Report is completed.