

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

Date: Saturday, September 12, 2009

From: Kathy Parker, OSC

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

Subject: Continuation of Site Work - Week 3
Northwest Pipe and Casing
9585 Mather Road, Clackamas, OR
Latitude: 45.4149000
Longitude: -122.5200000

POLREP No.:	4	Site #:	10G8
Reporting Period:	09/12/09 - 09/18/09	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 9/12/09 through Friday 9/18/09. Work on site began at 7am and ended at 5:30pm unless otherwise noted.

Saturday 9/12/09 Dry, hot (90sF)

On-site today: OSC Parker, 2 START, 11 ERRS. Safety Meeting at 7 am.

Excavation:

* Continued to excavate and install shoring in Excavation Area 1/Shore System 1/Bay 1.

Containment Cells:

* Containment cell 1 and two rock backfill piles sampled and samples shipped to lab.

Water Treatment System:

* Pumped clean water through the Water Treatment System to test for leaks. Sand filter system overpressured and required repair. Supplier gave overview of system to crew.

Other work:

* Watered roads for dust suppression,

* PID calibrated and used in dirty Excavator.

* No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.

Site work ended at 430pm

Sunday 9/13/09 - no site work, some showers

Monday 9/14/09 dry, high at 80F 47%

On-site today: OSC Parker, 2 START, 11 ERRS. Safety Meeting at 7 am.

Excavation:

* Continued to excavate and install shoring in Excavation Area 1/Shore System 1/Bay 1. The large cobbles in the ground are slowing down installation of the posts. Crew is working on developing a faster way to get the posts into the ground.

* Excavation samples collected from west and south side walls, 12' bgs in bay 1; submitted to lab.

Containment Cells:

* Containment cell #1 sampled and samples shipped to lab.

Water Treatment System:

* Water treatment system - pumped approximately 1500 gallons of water that had collected over the weekend from excavation into tank 2. Flocculant pump didn't work, so supplier was called in and repaired it.

Other work:

- * Watered roads for dust suppression.
 - * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
 - * PID calibrated and used in dirty Excavator.
- OSC discussed waste water disposal issues with EPA attorney. WES brought the finished wastewater discharge permit for review and OSC Parker signed and submitted the application.

Tuesday 9/15/09

On-site today: OSC Parker, 2 START, 11 ERRS. Safety Meeting at 7 am.

Excavation:

- * Continued to excavate and install shoring in Excavation Area 1/Shore System 1/Bay 1. Crew implemented new techniques for speeding up post and panel installation, including putting a miniexcavator in the excavation to clear the sides for shoring.
- * Excavation samples collected from west and south side walls, 25' bgs in bay 1; submitted to lab.

Containment Cells:

- * Containment cell #2 sampled in duplicate and samples shipped to lab.

Water Treatment System:

- * Main ground-level pump could not pull water from the full 25 foot depth of the excavation so a trash pump was connected to the end of the intake hose to assist the pump in getting water out of the excavation. Difficult to prime, start and keep intake clear.
- * Water treatment system: pumped approximately 2000 gallons of water that had collected over night from excavation into tank 2. Flocculant pump is working but rate of pumping has decreased so flocculant dosing was reset to a reduced rate.

Other work:

- * Watered roads for dust suppression.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * PID calibrated and used in dirty Excavator.
- * OSC Parker met with International Wood Products warehouse manager to discuss our use of the sewer intake in front of their property. Their main concern had to do keeping their billing separate from ours.
- * Clackamas county delivered approved wastewater discharge permit to site and explained their reporting requirements. (Weekly reports faxed or emailed to WES by following Friday: 1) discharge report form, 2) meter log, 3) daily average discharge volume, 4) preliminary analytical results. Hard copy final results to follow later as we get them.)

Wednesday 9/16/09

On-site today: OSC Parker, 2 START, 11 ERRS. Safety Meeting at 7 am. Started raining at noon.

Excavation:

- * Installed scaffolding around excavation as a fence/grab rail for worker safety.
- * Started and finished excavation and shoring in Excavation Area 1/Shore System 1/Bay 2.
- * Started excavation and shoring in Excavation Area 1/Shore System 1/Bay 3.
- * Two excavation samples collected from south side wall, 10' and 25' bgs in bay 2; submitted to lab.

Containment Cells:

- * Containment cells #3 and #4 closed, sampled and sent to lab. Started filling cell #5.
- * Covered containment cells with sheet plastic due to rain.
- * Received lab results for soil samples taken from containment cell bases prior to start of use: cell #8 had one detect of PCB: 61ppm Arochlor 1254.

Water Treatment System:

- * Main ground-level pump replaced with a submersible pump and generator to push water from the bottom of the 25 foot depth of the excavation. Leaving it in place in bay #1 for both shoring systems #1 and #2.

- * Water treatment system: pumped approximately 2500 gallons of water that had collected over night from excavation into tank 2. To dirty tank #2 added 1100 gallons from the clear water in drums left on site after remedial study. Now holding 4900 gallons.

Other work:

- * Watered roads for dust suppression.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * PIDs calibrated and used in dirty Excavator and Miniexcavator.
- * OSC discussed soil amendment and data deliverables with Parametrix.

Thursday 9/17/09

On-site today: OSC Parker, RPM Ader, 2 START, 11 ERRS. Raining. Sunny by noon. Safety Meeting at 7 am.

- * Finished excavation and shoring in Excavation Area 1/Shore System 1/Bay 3.
- * Two excavation samples collected from south side wall, 10" and 25' bgs in bay 3; submitted to lab.

Containment Cells:

- * Finished filling containment cells #5 and #6 and started filling cell # 7.
- * Containment cells #5 sampled and shipped to lab.

Water Treatment System:

- *Finished filling dirty tank #2 and started filling dirty tank #3.

Other work:

- * Watered roads for dust suppression.
 - * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
 - * PID calibrated and used in dirty Excavator and miniexcavator.
- One excavator inoperable due to broken cylinder. Repaired on site overnight.

Friday 9/18/09

On-site today: OSC Parker, RPM Ader, 2 START, 11 ERRS. Safety Meeting at 7 am.

ODEQ Bailly visited site.

Excavation:

- * Started excavation and shoring in Excavation Area 1/Shore System 1/Bay 4.

Containment Cells:

- * Finished filling containment cell #7 and started filling cells #8 and #9.
- * Containment cell #6 and #7 sampled and shipped to lab.
- * Covered containment cells with sheet plastic in anticipation of rain.

Water Treatment System:

- * Tank#2: This is the first dirty tank (capacity 21,000 gallons) and had accumulated 20,000 gallons groundwater from the excavation. START inspected the upper two feet of water column in tank #2 with a clear bailer then ERRS pumped tank #2 through the water treatment system to two clean tanks (#6, #7).
- * Collected water samples from dirty tank, from spigot between the two carbon filters and from clean tank #7. OSC decided not to have water samples from clean tank analyzed because they were diluted by a large but undetermined amount of clean water from the system pressure test. Intermediate treated water sample was sent to lab for analysis by NPDES methods. Untreated water sample also sent for analysis but only for metals. This information will be used if the treated sample shows metals content requiring modification of the water treatment system for metals. pH sample sent to local lab for immediate analysis.
- * Continued to fill dirty tank #3.

Other work:

- * Watered roads for dust suppression.
- * No action level exceedances recorded by Dataram monitoring dust near the excavation work and at two locations near the site perimeter.
- * PID calibrated and used in dirty Excavator.
- * Sampling plan for excavation areas written, finalized and signed by RPM and QAC. Final signed pdf sent to R10 QA office to set up lab for CLP analyses (for 8270, 8260, and PCBs).

Planned Removal Actions

Excavate contaminated soil, backfill and cap to specifications.

Next Steps

1. Draft sampling plan for waters and waste disposal
2. Draft decision tree for disposal of treated excavation water based on analytical data
3. Draft decision tree for segregation of excavated contaminated soil based on analytical data
4. Design layout of and install slide shoring
5. Excavate contaminated soil
6. Backfill excavations with adequate compaction
7. Include soil amendment in backfill
8. Cap excavations with specified capping material

Key Issues

1. Adequate treatment and cost effective, appropriate disposal of ground water from dewatered excavation soil and excavation pits
2. Safety of crew around deep excavations
3. Adequate control of contamination spread

Note on costs:

ERRS costs are through 9/18/09 and do not include pending.

START costs are through 9/18/09 and include pending.

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

response.epa.gov/nwpc