

**Ryeland Road Arsenic Site- Weekly Report  
Week of February 15, 2008:**

**Weather**

Temperatures observed during this reporting week ranged from the mid-40's to 8 degrees as a low. Approximately 2.71 inches (2.71") of rainfall was received. Snow was observed on February 12, 2008. The site was shutdown on February 13, 2008 due to constant heavy rainfall. No DataRAMs were utilized due to the below freezing temperatures and precipitation on February 11-13, 2008.

**Documented Activities for the Week of February 11, 2008**

- No excavation was performed on February 11-13 due to the installation of the diverted culvert and/or heavy rainfall.
- The culvert was installed and backfilled along the north portion of the site. The objective of the installation of the temporary culvert is to divert the surface water that is collected in the extreme north portion of the site so that excavation may continue.
- Two posters were prepared for EPA's Community Meeting, which was held on February 13, 2008 at 7:30 PM.

**Excavated Areas**

	Date	Depth	Arsenic Concentration (ppm)				Notes
			Minimum	Maximum	Average	Final	
M18-20	2/14/08	9'	25.8	44,000	5590	25.8	See below.

*February 11, 2008*

Excavation and installation of the culvert was performed throughout the day.

*February 12, 2008*

Winter weather hampered site operations so no excavation on grids occurred; however, the installation of the culvert pipe did continue.

*February 13, 2008*

The site was shutdown due to heavy rainfall. Technical support was still granted to EPA for the Community Meeting.

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*February 14, 2008*

Excavation at the site continued in grids M18-19. Groundwater was encountered at approximately nine (9') feet. Based upon original contours, however, the groundwater depth would be 14' prior to the removal of the top five feet from this area.

*February 15, 2008*

The site personnel demobilized for holiday weekend. Site activities will commence on February 19, 2008.

**Health and Safety**

- Three (3) Thermo Anderson DataRAM 4 (Model DR-4000) instruments were placed within the extreme east, south and west areas of the site. Due to the consistent amount of precipitation received on February 11-13, 2008, the DataRAM instruments were not utilized.

Location	Date	Particulate Concentration (ppm)	
		Concentration	TWA
East	2/14/08	12.6	11.0
Center	2/14/08	13.0	12.9
West	2/14/08	22.9	21.3

- A personal DataRAM (pDR) is prescribed to detect any immediate threats of particulate matter and is situated approximately 10' from the excavated area. Because there was no excavation activities performed, the personal DataRAM was not utilized during February 11-13, 2008. On February 14<sup>th</sup>, the average reading of the pDR was 0.0051 mg/m<sup>3</sup> concentration and 0.002 mg/m<sup>3</sup> time weighted average. All air-monitoring readings were within acceptable guidelines and no upgrades in PPE or additional controls were needed.
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- Health and Safety meetings were conducted by Mr. Tiedman each morning at 7:00 AM. The major concerns addressed during this reporting week included trips, slips, falls, and on-site traffic. All site personnel, including KEMRON ENVIRONMENTAL SERVICES, START, and CMC, Inc., signed the daily Health and Safety Sign-in sheet.

**On-Site START Personnel**

- Chemist/Project Manager – Henry Haas
- Environmental Engineer – Anna Cornelious
- Office Managers – Joseph Carter

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Ms. Cornelious performed on-site activities February 11 and 12, 2008. Mr. Joseph Carter arrived on-site to observe the site and to meet EPA clients on February 13, 2008.

**EPA On-Site Personnel**

- RPM – Chris Corbett
- OSC – Doug Fox
- EPA - McDonald

RPM Chris Corbett requested that START generate two posters; (1) of the proposed changes to the Proposed Plan – Ryeland Road Arsenic Superfund Site and (2) of the site depicting property lines and the major landmarks that will be discussed during the public meeting. OSC Doug Fox was onsite and/or available to coordinate site activities. Mr. Corbett maintained correspondence/dialog with START throughout the week.

**Transportation & Disposal**

	For the Reporting Week of February 15, 2008			Number of Trucks to Date	Tonnage to Date
	Date of Shipment	Number of Trucks	Weight (Tons)		
Non-Hazardous	2/11/08	5	110	2493	55385
	2/12/08	8	176	2501	
	2/14/08	14	308	2505	
Hazardous	2/11/08	5	120	384	9121
	2/12/08	6	144	390	9265
Highly Hazardous	2/11/08	1	24	155	3720

**Backfill**

	Date	Number of Loads	Daily Quantity (Tons)	Cumulative Quantity (Tons)	Number of Trucks to Date
Six Inch Minus Fill					
	2/11/08	15	358.53	48355.67	2048
	2/12/08	14	337.44	48693.14	2062
	2/14/08	14	333.04	49026.18	2076
Aashto #57					

### **Short-Term Activities**

- START will assist in documenting the activities surrounding the pumping of the pond, which is located at the Farr Nursery, which is scheduled to begin within the next couple of weeks. The State of Pennsylvania and KEMRON ENVIRONMENTAL SERVICES will also participate in this activity.
- The site personnel will demobe on February 15, 2008. Site activities will commence on February 19, 2008

### **Long-Term Activities**

- START will determine the extent of contamination on the properties located to the south and west of the Ryeland Road Arsenic Site and continue to assist ERRS in the remediation of these properties according to State Regulations;
- ERRS will continue to remediate the RO1, R05, R18, R26, and R29 properties towards the completion of the Remedial Action anticipated during the spring of 2008.
- The nursery property and VFW area's contamination will be addressed by EPA as a final remediation activity for the project.
- START will continue to ship future XRF confirmatory soil samples to a laboratory for analysis;
- ERRS will complete excavation in the three properties and restore the site with backfill.