

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

Date: Tuesday, May 5, 2009

From: Brian Kelly

Subject: Continue PRP Removal
Southern Illinois Railcar
7570 Ottawa Road, Cairo, OH
Latitude: 40.8470000
Longitude: -84.0830000

POLREP No.:	6	Site #:	B5QP
Reporting Period:	4/27/09 to 5/8/09	D.O. #:	
Start Date:	12/2/2008	Response Authority:	CERCLA
Mob Date:	12/2/2008	Response Type:	Emergency
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

The Southern Illinois Railcar (SIR) Site is located at 7570 Ottawa Road, Cairo, Allen County, Ohio 45807. The facility is a former fertilizer plant adjacent to the Warrington Ditch a tributary of Rattlesnake Creek and Little Auglaize River. The Site is currently owned and operated by Southern Illinois Railcar as a railcar repair facility.

Current Activities

See POLREP #1 for initial response.

On Monday April 27, 2009, AES continued excavation activities at the former South Warehouse. Ammonia impacted soils were excavated from the area and transported to the stockpile west of the landfarm for future landfarming activities. One 20 cubic yard roll-off box containing large diameter stone removed from onsite ditches was transported offsite to County Environmental Landfill of Wyandot, in Carey, OH. AES loaded out 18,000 gallons of ammonia water and transported offsite to United Wastewater in Cincinnati, OH.

On Tuesday April 28, 2009 AES continued excavation activities at the former South Warehouse. Excavated ammonia impacted soil was placed on the stockpile for future landfarming activities. One 20 cubic yard roll-off box containing large diameter stone removed from the onsite ditches was transported offsite to County Environmental Landfill of Wyandot in Carey, OH. A total of 12,000 gallons of ammonia water was transported to United Wastewater in Cincinnati, OH. A total of 9,000 gallons of ammonia water was transported to Lima Wastewater.

AES collected one water sample for pH, temperature, and ammonia concentration from the shallow trench surrounding the landfarm and stockpile areas. The following readings were recorded: pH 7.80, temperature 17.4 degrees Celsius, and 0.0 ppm of ammonia concentration.

On Wednesday April 29, 2009 AES did not conduct soil excavation activities due to heavy rain and thunderstorms at the site. One 20 cubic yard roll-off box containing large diameter stone which was removed from the onsite ditches was transported to County Environmental Landfill of Wyandot. No ammonia water was transported offsite on this date.

On Thursday April 30, 2009 AES did not conduct excavation activities due to heavy rain and thunderstorms at the site. A total of 9,000 gallons of ammonia water was transported to Lima Wastewater.

On Friday May 1, 2009 AES continued to excavate ammonia impacted soil from the former South Warehouse and transport the soil material to the stockpile area next to the landfarm. A total of 3,000 gallons of ammonia water was transported to Lima Wastewater. A total 24,000 gallons of ammonia water

was loaded out and transported to United Wastewater. AES also collected surface water quality readings from Warrington Ditch upstream on the South side of Hook Waltz Road and downstream on the North side of the railroad spur. The following readings were recorded upstream at Hook Waltz Road: pH 7.90, temperature 18.8 degrees Celsius, and ammonia concentration of 0.0 ppm. The following readings were recorded downstream at the railroad spur: pH 7.65, temperature 16.5 degrees Celsius, and ammonia concentration of 0.0 ppm.

No work activities were conducted over the weekend (5/2/09 and 5/3/09).

On Monday May 4, 2009 AES continued excavation activities at the former South Warehouse. Excavated ammonia impacted soil was placed on the stockpile for future landfarming activities. A total of 24,000 gallons of ammonia water was transported offsite to United Wastewater.

On Tuesday May 5, 2009 AES continued excavation activities at the former South Warehouse. Excavated ammonia impacted soil was placed on the stockpile for future landfarming activities. A 1" to 4" granular fertilizer layer was observed on the North side of the Ag Lime Storage Bin. Grass and top soil were present (1" thick) above the fertilizer layer. A total of 54,000 gallons of ammonia water was transported offsite to United Wastewater. A total of 3,000 gallons was transported offsite to Lima Wastewater.

On Wednesday May 6, 2009 AES continued excavation activities at the former South Warehouse. Excavated ammonia impacted soil was placed on the stockpile for future landfarming activities. AES located the former basement structure (approximately 10'x 15') on the North side of the former South Warehouse during excavation activities. Standing water and very strong ammonia odors were present in this area. AES vacuumed out the water that accumulated near the sump that was dug at the edge of the basement structure and transported the water to the onsite frac tanks for proper disposal. AES started frac tank clean out activities of the two frac tanks along the South Ditch. AES loaded out 12,000 gallons of ammonia water which was transported to United Wastewater. AES also loaded out 3,000 gallons of ammonia water which was transported to Lima Wastewater.

On Thursday May 7, 2009 AES conducted equipment maintenance and cleaned out a frac tank along the South Ditch at the site. One 20 cubic yard roll-off box containing granular fertilizer and soil was transported offsite to County Environmental Landfill of Wyandot in Carey, OH. No water was transported offsite on this date.

On Friday May 8, 2009 AES worked on repairing silt fence around the former South Warehouse. AES also completed the cleanout of the second frac tank along the South Ditch. One 20 cubic yard roll-off box containing solidified pit sludge from the North Warehouse was transported offsite to Evergreen Landfill (Waste Management) in Toledo, OH. Ground elevations across the former South Warehouse were collected by Ferguson (surveyor) to determine the appropriate grade for a future structure to be built within this area. No ammonia water was transported offsite on this date. AES also collected surface water quality readings from Warrington Ditch upstream on the South side of Hook Waltz Road and downstream on the North side of the railroad spur. The following readings were recorded upstream at Hook Waltz Road: pH 7.69, temperature 23.2 degrees Celsius, and ammonia concentration of 0.0 ppm. The following readings were recorded downstream at the railroad spur: pH 7.66, temperature 19.2 degrees Celsius, and ammonia concentration of 0.25 ppm.

The storm water management task will continue during removal activities.

To date, a total of 2,722 tons of impacted stone debris has been removed and disposed at County Environmental of Wyandot located in Carey, Ohio. Additionally, 2,953,324 gallons of ammonia water has been transported offsite to United Wastewater and 186,000 gallons has been transported to Lima Wastewater.

Planned Removal Actions

- Continuous Ammonization Building Stone Removal
- South warehouse soil removal
- Stock pile soil from the South Warehouse
- North warehouse soil removal
- North ditch soil removal
- South ditch soil removal
- East ditch soil removal

Next Steps

Complete excavation activities of the ammonia impacted soil from the former South Warehouse and

stockpile soil for future landfarming purposes. Start excavating soil from onsite ditches and transporting soil to the stockpile for future landfarming purposes.

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