

United States Environmental Protection Agency
Region IV
POLLUTION REPORT

Date: Tuesday, June 13, 2006

From: Steve Spurlin

Subject: Water Treatment System Online

LWD, Inc.

2475 Industrial Parkway, Calvert City, KY

Latitude: 37.0469000

Longitude: -88.3320000

POLREP No.:	5	Site #:	A4LQ
Reporting Period:	5/16/2006 - 6/13/2006	D.O. #:	46
Start Date:	3/2/2006	Response Authority:	CERCLA
Mob Date:	3/6/2006	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	KYD088438817	Contract #	68-S4-02-04
RCRIS ID #:			

Site Description

Please refer to previous POLREPs for Site description and previous actions taken.

Current Activities

The following activities took place during the reporting period:

Construction of the wastewater treatment system (WWT) was completed during the week of May 15, 2006 and water treatment began on May 20. The scheme for treating the water was to start with the least contaminated water and then build up to more contaminated water in order to lengthen the time before a carbon replacement would need to take place. The WWT system in brief consists of three flocculation pools where contaminated water flows in and lime is added to adjust the pH and allow for suspended solids to fall out. Once this takes place the water is run through two 10,000 gal sand filters to remove suspended solids and colloidal solids. Then, the water is passed through a bag filter with six 1.5 micron bags to remove fine colloidal solids. Finally, the water will travel through two 10,000 gal carbon filters to remove organics and any soluble metals. The water is then pumped into effluent pools and tested for Chemical Oxygen Demand (COD) and the pH adjusted to a range 6-8. This water is then released on-site via a series of bleeder pipes over a decommissioned landfill with care not to over-saturate a particular area.

To date, approximately 180,000 gal have been treated and released. All of the rolloff boxes located outside the incinerator building have been pumped out except two which contain fluid that may be too contaminated to treat; samples will be taken from these to determine if treatment is an option. ERRS mobilized a vac truck to the site to begin pumping out the frac tanks and the containment area and pumping that water into the treatment system.

Planned Removal Actions

The following activities are planned during the next reporting period:

Water from the frac tanks and containment area will continue to be run through the WWT. Due to higher contamination than expected in a few of the rolloffs and total volume of water being treated, a replacement of carbon will be needed soon. Once the frac tanks are emptied, then will be cleaned and demobilized from the site.

The analytical results for the storage tanks is being reviewed to determine which tanks contain materials that can be treated via the WWT and which will need to be disposed of off-site. ERRS is currently receiving bids from disposal companies for this material.

Key Issues

Weather continues to pose problems at the Site. Rain causes additional water to get into the treatment system and it adds water on top of the water we are currently discharging on the landfill. Also, we are

entering the summer months and the higher temperatures can cause heat stress and will limit the amount of time crews can work in PPE.

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