

United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Tuesday, July 13, 2004

From: Robert Kelly

Subject: Lake Street Oil Farm
Lake Street, Salisbury, MD

POLREP No.:	2	Site #:	868
Reporting Period:	06/05/04 - 07/13/04	D.O. #:	
Start Date:		Response Authority:	OPA
Mob Date:		Response Type:	Emergency
Demob Date:		NPL Status:	
Completion Date:		Incident Category:	Removal Assessment
CERCLIS ID #:		Contract #	
RCRIS ID #:		Reimbursable Account #	
FPN#	E04312		

Site Description

A. Lake Street Oil Farm site (site), formerly known as Dale Enterprises, was the location of an oil release of approximately 12,000 gallons in September 1990. In 1994 and 1996, Maryland Department of Environment (MDE) issued notices of violation to the property owners for continued release of oil from the site and improper closure of USTs located onsite.

B. Prior to 2000, U.S. Army Corps of Engineers (USACE) installed an interceptor trench, oil/water collection system, and a bulkhead/retention wall along the perimeter of the site at the Wicomico River.

C. In 1997 through 1999, EPA Site Assessment and Technical Assistance (SATA) contractor performed site assessments to determine site conditions.

D. In 2000 and 2002, USACE contractor conducted assessments and determined the presence of total petroleum hydrocarbons in site soils and groundwater.

Current Activities

A. On June 8 and 9, 2004, START conducted groundwater, surface water, and waste/source sampling. Groundwater and surface water samples were collected from nine on-site monitoring wells and two locations on the Wicomico River, respectively, and submitted to a private laboratory for analyses of volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and TPH. Nine waste/source samples were collected from two on-site UST, the oil/water separator, light non-aqueous phase liquids (LNAPL) if observed in monitoring wells, and sheen observed locally in the Wicomico River. The waste/source samples were submitted to a U.S. Coast Guard Marine Safety Laboratory in Groton, Connecticut for oil fingerprint analysis.

B. On June 29, 2004, START conducted well gauging, differential leveling, and installed long-term monitoring devices. Well gauging was conducted every 30 minutes over one complete tidal cycle (approximately 12 hours) to determine water table variations in relation to tidal variations, and was conducted in ten on-site monitoring wells, the oil/water separator, and in the Wicomico River. Leveling was conducted using a laser leveling device, where the elevations of all gauging locations was measured in reference to a temporary benchmark. In addition, long-term monitoring devices (pressure inducers) were installed in three on-site wells.

Planned Removal Actions

No removal actions are planned at this time.

Next Steps

A. START will maintain the pressure transducers on a weekly basis until the devices are removed in late July 2004. Data recorded from the pressure inducers will be used to determine the long-term water table variations over a complete monthly tidal cycle. The gauging data collected on July 29, 2004 and from the pressure transducers will be used to determine the relationship between water level variations on the

Wicomico River, in the on-site monitoring wells, and in the oil/water separator.

B. START expects to receive analytical data from both laboratories during the next reporting period.

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