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**U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION REPORT**

**I. HEADING**

Date: February 5, 2008

Subject: Lightman Drum Company Site, Winslow Township, Camden County, New Jersey

From: David Rosoff, OSC  
Removal Action Branch

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**POLREP NO. : 6 (BB1)****II. BACKGROUND**

Site No:	MS
CERCLIS No:	NJD014743678
Response Authority:	CERCLA
Removal Type:	Time Critical
NPL Status:	Listed
ROD Signed:	N/A
State Notification:	NJDEP Notified
Start Date:	October 29, 2007
Completion Date:	N/A
Status of Action Memorandum:	N/A
Delivery Order Number:	N/A

### III. SITE INFORMATION

#### A. Incident Category

CERCLA incident category: Soil contamination (groundwater contamination source area)

#### B. Site Description

##### 1. Site description

The Lightman Drum Company property (Property) covers approximately 15 acres and is located in Winslow Township, Camden County, New Jersey. The Property is narrow (approximately 300 feet wide) with access from Route 73. The majority of the Property is wooded. There is very little topographic relief across the Property with a maximum elevation range of 15 feet.

The eastern portion of the Property is currently used as a drum brokerage business operating under the name United Cooperaage. Drums are stored in truck trailers and in open areas, and a small office is located near the entrance along Route 73.

Historic waste storage areas on the Property include the former location of two 5,000 gallon underground storage tanks previously located in the north-central area of the Property (the former Waste Storage Tank Area). The tanks were reportedly used to store waste paint pigments, ink sludges, and thinners between November, 1978 and April, 1979. Reportedly, NJDEP observed the removal of the tanks in 1984.

A Remedial Investigation (RI) for the Lightman Drum Site (Site) was conducted between 2002 and 2007 and included a comprehensive soil and groundwater investigation. The results from the groundwater investigation indicate that groundwater has been impacted with chlorinated VOCs, namely trichloroethene (TCE) and tetrachloroethene (PCE), as well as aromatic (BTEX) compounds. There are two main plumes present, one originating from the former Waste Storage Tank Area, and a smaller plume from the former Unlined Waste Disposal Pit Area in the western part of the Property. The results from soil sampling conducted as part of the RI indicated that seasonally saturated soils in a localized zone close to the water table in the former Waste Storage Tank Area remain contaminated with volatile organic compounds (VOCs) and

continue to constitute a source for contaminated groundwater leaving the Property.

Source removal of saturated soils in the former Waste Storage Tank Area is being addressed through a Removal Action pursuant to an Administrative Settlement Agreement and Order on Consent dated September 13, 2007 between USEPA and the Lightman Drum Source Removal Group (the Group) that became effective on September 17, 2007.

**2. Description of threat**

The VOC contamination in the saturated zone in the former Waste Storage Tank Area represents a continuing source to groundwater contamination and a threat to the environment

**C. Preliminary Assessment Results**

See previous Pollution Reports

**IV. RESPONSE INFORMATION**

**A. Planned Response Actions**

The area of excavation was approximately 33 foot by 16 foot in plan dimensions and encompassed those borings where there was a positive field test result for residual product and borings that contained samples that exceeded the most stringent New Jersey Soil Cleanup Criteria (NJDEP SCC) in the former Waste Storage Tank Area.

The excavation extended to a depth of 25 feet. Soils were excavated and stockpiled temporary containment pads. The containment pads were constructed to capture contaminated pore water drained from the stockpiled soil, and have been covered to prevent wind dispersion of soil and contact with rain water. The excavation has been backfilled with imported clean soil. Stockpiled soil is awaiting transportation and off-Site disposal.

The overall objective of the removal action is to remove the continuing source to groundwater contamination in the former Waste Storage Tank Area. This removal action will be beneficial to the Remedial Action at the Site by reducing the time it will take to remediate the aquifer through the removal of contaminant source material.

**B. Situation**

**1. Response activities: Between January 22, 2008 and February 5, 2008**

Approximately 800 tons of volatile organic compound (VOC) contaminated soil from the saturated and unsaturated soil stockpiles were removed from the Site between January 25<sup>th</sup> and January 31<sup>st</sup>, 2008. A total of 33 truckloads of this soil were transported to the Gloucester County Improvement Authority Solid Waste Complex in Swedesboro, New Jersey.

The removal of the containment pads began during this period and will be completed in the upcoming week. Containment materials (liner, straw bails, etc.) are being loaded into roll-offs for transportation to the disposal site. No evidence of leakage beneath the liner has been observed.

**2. Enforcement**

The Administrative Settlement Agreement and Order on Consent USEPA Index No. CERCLA-02-2007-2007 between EPA and the Group for the performance of this removal action was executed on September 13, 2007.

**C. Next Steps**

This week the following activities are scheduled:

Completion of the removal of the containment pad materials.

Removal and decontamination of the sheet piles. A decontamination pad for this activity was constructed on February 4, 2008

De-contamination and demobilization of the water storage tanks.

Schedule for the removal of the IDW drums on the Site has not been finalized.

**D. Key Issues**

Buried pigment and pigment stained soil was discovered throughout the work area on the Site. The colors of the pigment included purple, green, blue/green and yellow. The largest area of visible color was purple material found adjacent to the Waste Storage Tank Area. This material was also uncovered and excavated during the removal of unsaturated soil in the Waste Storage Tank Area. A sample of the purple pigment was collected and sent for laboratory analysis. Results

indicate that the dye is organic in nature but the majority of the constituents are tentatively identified compounds or unspecified organic compounds.

The areas of pigment and discolored soil were covered with a geo-textile fabric and a layer of 1-1 1/2 inch crushed stone. The temporary cover has allowed planned work under the Order to continue without interruption. Sampling of the dye stained soils around the Site was conducted by the Group in January with oversight from the EPA Remedial Program. Results of the analyses of these samples are pending.

**V. COST INFORMATION**

N/A

**VI. DISPOSITION OF WASTES**

January 25, 2008	17 truckloads of VOC soil	GCIA SWC, Swedesboro, NJ
January 28, 2008	13 truckloads of VOC soil	GCIA SWC, Swedesboro, NJ
January 28, 2008	3 truckloads of VOC soil	GCIA SWC, Swedesboro, NJ