

United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Thursday, March 5, 2009

From: Todd Richardson

Subject: Jay Cee Cleaners

16163 Lankford Hwy., Nelsonia, VA

Latitude: 37.8186000

Longitude: -75.5883000

POLREP No.:	4	Site #:	A3JR
Reporting Period:		D.O. #:	
Start Date:		Response Authority:	CERCLA
Mob Date:		Response Type:	
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	
CERCLIS ID #:	VAN000306600	Contract #	
RCRIS ID #:			

Site Description

The Jay-Cee Cleaners site is located in the City of Nelsonia, Accomack County, Virginia. The site operated as a dry cleaner from approximately 1957 to 2003. It consists of a 1.1-acre parcel of land with a single-story structure located at the center of the property.

In April 2007, a Phase II environmental site assessment (ESA) was completed for the Jay-Cee Cleaners property. During the ESA, 11 soil borings were completed at various locations of concern throughout the property. Soil samples collected from three of the borings were analyzed for volatile organic compounds (VOC) and groundwater samples collected from two of the borings were also analyzed for VOCs. Soil sample analytical results showed elevated concentrations of tetrachloroethene (PCE) and several PCE-related compounds, including cis-1,2-dichloroethene (DCE) and trichloroethene (TCE).

Following completion and review of the ESA, the Virginia Department of Environmental Quality (VA DEQ) was notified of the elevated VOC concentrations. VA DEQ, in turn, notified EPA of the elevated concentrations.

In September and October 2007, START, under the direction of EPA, collected groundwater samples from seven of the nearby residences for VOC analysis. Trace concentrations of PCE were detected in three of the samples (two samples collected from separate residences and one duplicate sample). Trace concentrations of TCE were detected in two of the samples (one residential sample and one duplicate sample).

In April 2008, a second round of residential well sampling was conducted. Residential well samples were collected from six of the nearby residences for VOC analysis. No contaminants of concern were found during the second residential well sampling event.

Also in April 2008, 11 soil borings with temporary monitoring points were installed at the site and nearby area. Shallow soil samples were collected from the soil borings and shallow groundwater samples were collected from the temporary monitoring points for VOC analysis. Validated analytical results are pending. The temporary monitoring points were pulled and soil borings backfilled following the shallow soil and shallow groundwater investigation activities. Elevated concentrations of PCE, TCE, and/or DCE were detected in soil samples from 10 of the 11 soil borings. Elevated concentrations of PCE, TCE, and/or DCE were detected in groundwater samples collected from nine of the 11 monitoring points.

In May 2008, START remobilized to the site for one day to transport off site and dispose of incident-derived waste and purge water generated during the April 2008 shallow soil and groundwater sampling activities.

In July 2008, a third round of residential well sampling was conducted. Residential well samples were collected from seven of the nearby residences for VOC analysis. Trace concentrations of PCE were detected in two of the samples (one residential samples and one duplicate sample).

Current Activities

On February 6, 2009, START and EPA remobilized to the site to conduct a fourth round of residential well sampling. Residential well samples were collected from three of the nearby residences and submitted to the laboratory for VOC analysis. VOC were not detected at any of the sampled residential properties during the February 2009 sampling event.

Next Steps

START is preparing a trip report for the February 2009 sampling event.

response.epa.gov/jayceecleaners