



ENVIRO-SCIENCES (OF DELAWARE), INC.

781 ROUTE 15 SOUTH, SECOND FLOOR

LAKE HOPATCONG, NJ 07849

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January 24, 2018

Via UPS

Jock H. Watkins, Municipal Clerk
Borough of Roseland
19 Harrison Avenue
Roseland, N.J. 07068

Re: NJDEP Public Notification and Outreach
Transcontinental Gas Pipe Line Company, LLC (f/k/a Illinois Tool Works-ITW)
563 Eagle Rock Avenue (f/k/a 565 Eagle Rock Avenue)
Roseland, Essex County, New Jersey
ISRA Case #: E20110247
SRP PI #: 025650

Dear Mr. Watkins:

On the behalf of Transcontinental Gas Pipe Line Company, LLC (Transco), Enviro-Sciences (of Delaware), Inc. (ESI) is providing the attached "Public Notification Letter and Fact Sheet" for the referenced site. The document is submitted to demonstrate compliance with the New Jersey Department of Environmental Protection (NJDEP) Administrative Requirements for the Remediation of Contaminated Sites, N.J.A.C. 7:26C-1.7.

If you have any questions on this letter or the site, please contact me at (973) 398-8183, x 240 or bresotka@enviro-sciences.com.

Very truly yours,

ENVIRO-SCIENCES (OF DELAWARE), INC.

Betty Lou Resotka

Manager, Environmental Services

Enclosures

cc: Carlo DiLizia, Health Officer
Michael Festa, Essex County Health Officer

Public Notification Letter and Fact Sheet

Transcontinental Gas Pipe Line Company, LLC
 563 Eagle Rock Avenue
 Roseland, NJ 07068

NJDEP SRP PI No. 025650
 NJDEP Case No. E20110247
 Block 33, Lot 3 (portion)

SITE'S INDUSTRIAL HISTORY

Transcontinental Gas Pipe Line Company, LLC ("Transco") is the owner and operator of a natural gas compressor station that was constructed in 2014 on property presently known as 563 Eagle Rock Avenue and shown on the Official Tax Maps of the Borough of Roseland as Lot 3 in Block 33. Transco's Lot 3 is the aggregation of two smaller lots: Lot 2, formerly known as 565 Eagle Rock Avenue, and Lot 3, formerly 563 Eagle Rock Avenue. Lot 2 was merged with adjacent Lot 3 when Transco became the common owner of both lots in 2012 and, following construction of the compressor station, the two lots were re-designated as Lot 3 in Block 33 by the Borough and are now formally known as 563 Eagle Rock Avenue. The former Lot 2, the 565 Eagle Rock Avenue property (the "Site"), was developed in 1973 by Intedge Industries, Inc. ("Intedge"), who manufactured food service equipment there from 1973 until 1990. Intedge discharged wastewater from a tumbling/degreasing operation to a seepage pit on the Site from 1976 until 1985, which caused soil and groundwater contamination on the Site as discussed below. The former Lot 2 was sold by Intedge in 1990 and, thereafter, several entities manufactured non-skid coatings and primers as well as silicone-based electrical encapsulates from the industrial building then located on the Site. Manufacturing operations ceased in 2012 when Transco purchased the Site and subsequently demolished the industrial building. Although Transco did not cause any of the contamination on the former 565 Eagle Rock Avenue property, Transco performed certain environmental remediation in 2012 and 2013 as discussed below, and continues to monitor groundwater quality at the Site. As a result of purchasing the Site for its compressor station, Transco assumed, as to any pre-existing soil and groundwater contamination, such liability as may be imposed by applicable law subject to, and without prejudice to, all available defenses to such liability in law and in equity.

SOURCES/ DESCRIPTION OF CONTAMINATION

Prior to purchasing the Site, Transco conducted environmental due diligence which identified soil contamination under the then-existing industrial building and confirmed that groundwater contamination was located within the Site's boundary. The discharge by Intedge of wastewater to the seepage pit between 1976 and 1985 contaminated soil and groundwater on the former 565 Eagle Rock property with chlorinated volatile organic compounds (VOCs). The New Jersey Department of Environmental Protection ("NJDEP") sampled the seepage pit contents in 1984 and identified high concentrations of VOCs including 1,1-dichloroethane (1,1-DCA), carbon tetrachloride, and trichloroethene (TCE). The seepage pit was excavated in 1985 and associated contaminated soil was partially removed at that time. A groundwater remediation system and soil vapor extraction system were installed at the Site in 1993 and operated for approximately two years. A conditional No Further Action (NFA) determination was issued by the NJDEP in 1997 to the then owner, and a Classification Exemption Area (CEA) and Well Restriction Area (WRA) were established at that time for VOCs above NJDEP Ground Water Quality Standards (GWQS). The CEA/WRA was restricted to the former 565 Eagle Rock Avenue property boundary for the following compounds: 1,2-dichloroethane

(1,2-DCA); 1,1-dichloroethane (1,1-DCA); tetrachloroethene (PCE); 1,1,1-trichloroethane (1,1,1-TCA); trichloroethene (TCE); vinyl chloride, and 1,1-dichloroethene (1,1-DCE). The CEA required biennial monitoring of the groundwater contamination with reporting to the NJDEP. In October 2012, prior to the demolition of the industrial building, Transco's contractors conducted groundwater remediation at the Site through the injection of zero-valent iron into the subsurface under an NJDEP permit/work plan. Transco's contractors also abandoned all but two of the groundwater monitoring wells on the Site per NJDEP protocol at this time. In January/February 2013, following the demolition of the industrial building, 1,926 tons of impacted soil were removed from beneath the former industrial building.

CURRENT REMEDIAL STATUS AND EXTENT OF THE CONTAMINATION

Transco re-installed 12 groundwater monitoring wells at the Site between July and December 2014 and sampled all 14 wells (including the two pre-existing wells that were not abandoned in 2012) on a quarterly basis since January 2015. The direction of groundwater flow is generally to the west across the Site. In addition, Transco installed and sampled three additional groundwater wells on the adjacent property to the west in August 2017 and October 2017. The groundwater results indicated a decrease in contaminants on-site near the former seepage pit since the soil and groundwater remediation activities in 2012/2013. However, VOCs were detected in two of the three off-site wells in excess of GWQS. It should also be noted that effective November 25, 2015, NJDEP decreased the interim standard for 1,4-dioxane from 10 ug/L to 0.4 ug/L. Although it is listed as a VOC, 1,4-dioxane is now being analyzed as a semi-volatile organic compound (SVOC) to meet the reporting limits required by the new standard. Consequently, 1,4-dioxane has emerged as a new contaminant of concern in groundwater on and off the property.

On-Site: The following Table summarizes the analytical results for contaminants that exceeded GWQS in on-site wells. In August 2017, all 14 on-site wells were sampled/analyzed. In October 2017, 9 of the 14 wells were sampled/analyzed (results from 5 on-site wells never exceeded GWQS since January 2015, therefore sampling has been suspended. The wells are still gauged).

Contaminant	GWQS*	August 2017	October 2017
		# On-Site Wells Exceeding GWQS (Range Exceeding)	# On-Site Wells Exceeding GWQS (Range Exceeding)
1,1-DCE	1	2 of 14 (1.11 ug/L & 1.91 ug/L)	2 of 9 (1.4 ug/L – 5.2 ug/L)
1,1-DCA	50	None	1 of 9 (79.0 ug/L)
Vinyl Chloride	1	None	3 of 9 (1.2 ug/L – 4.3 ug/L)
Benzene	1	1 of 14	None

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NJDEP SRP PI No. 025650
NJDEP Case No. E20110247
Block 33, Lot 3 (portion)

Contaminant	GWQS*	August 2017	October 2017
		# On-Site Wells Exceeding GWQS (Range Exceeding)	# On-Site Wells Exceeding GWQS (Range Exceeding)
		(1.96 ug/L)	
1,4-Dioxane**	0.4	5 of 14 (0.44 ug/L - 45.4 ug/L)	8 of 9 (0.492 ug/L - 177.0 ug/L)
Iron	300	9 of 14 (793 ug/L - 56,100 ug/L)	Not Analyzed
Arsenic	3	2 of 14 (5.96 ug/L & 40.6 ug/L)	Not Analyzed
TDS***	500,000	4 of 14 (592,000 ug/L - 1,060,000 ug/L)	Not Analyzed

* Ground Water Quality Standards

** GWQS decreased in November 2015 from 10 ug/L to 0.4 ug/L

*** Total Dissolved Solids

Off-Site: The following Table summarizes the August and October 2017 analytical results for contaminants exceeding GWQS in the 3 off-site wells.

Contaminant	GWQS*	August 2017	October 2017
		# Off-Site Wells Exceeding GWQS (Range Exceeding)	# Off-Site Wells Exceeding GWQS (Range Exceeding)
1,1-DCE	1	2 of 3 (1.07 ug/L & 3.40 ug/L)	1 of 3 (4.2 ug/L)
1,1-DCA	50	2 of 3 (63.6 ug/L & 130 ug/L)	2 of 3 (54 ug/L & 120 ug/L)
1,4-Dioxane**	0.4	2 of 3 (55.4 ug/L & 103 ug/L)	3 of 3 (1.38 ug/L - 277 ug/L)
Iron	300	2 of 3 (377 ug/L & 1,390 ug/L)	Not Analyzed
TDS***	500,000	3 of 3 (515,000 ug/L - 872,000 ug/L)	Not Analyzed

* Ground Water Quality Standards

** GWQS decreased in November 2015 from 10 ug/L to 0.4 ug/L

*** Total Dissolved Solids

The NJDEP vapor intrusion (VI) Groundwater Screening Level (GWSL) for both vinyl chloride and 1,1-DCA is the same value as its GWQS, and was exceeded in some on-site and off-site wells. NJDEP's trigger distance for a vapor intrusion investigation for both compounds is 100 feet. There are no structures within this distance,

nor are there any structures in the direction of groundwater flow. No vapor intrusion concerns are identified at this time.

PROPOSED REMEDIAL ACTION AND ACTIONS PERFORMED TO MINIMIZE IMPACT TO THE PUBLIC

Transco proposes to complete the groundwater Remedial Investigation and delineate the contamination identified on the adjacent property in a timely manner. Transco has contacted the adjacent property owner and anticipates installing additional monitoring wells to delineate the contaminant plume once access/permission to install said wells is obtained. A remedial action will be determined upon completion of the Remedial Investigation. Any potential impacts to the public will be immediately addressed; however, no such potential impacts have been identified to date.

ON-LINE RESOURCES

NJDEP remediation standards for soil and groundwater, respectively, can be found on the following NJDEP websites:

<http://www.nj.gov/dep/srp/regs/rs/> and

www.nj.gov/dep/wms/bears/gwqs.htm

NJDEP screening levels for vapor intrusion can be found at:

<http://www.nj.gov/dep/srp/guidance/vaporintrusion/index.html>

U.S. Environmental Protection Agency's website:

www.epa.gov/superfund/health/index.htm

U.S. Agency for Toxic Substances & Disease Registry's website at:

www.atsdr.cdc.gov/toxfaqs/index.html

CONTACT INFORMATION

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