



FACT SHEET

State Superfund Program

Receive Site Fact Sheets by *Email*. See "For More Information" to Learn How.

Site Name: TNT Red Star Express
DEC Site #: 704028
Address: 215 Industrial Park Drive
Kirkwood, NY 13904

Have questions?
See
"Who to Contact"
Below

NYSDEC Proposes Delisting Site from Superfund Registry; Certifies Cleanup Requirements Achieved at State Superfund Site Public Comment Period Announced

The New York State Department of Environmental Conservation (NYSDEC) has determined that the cleanup requirements to address contamination related to the TNT Red Star Express site ("site") located at 215 Industrial Park Drive, Kirkwood, Broome County under New York's State Superfund Program have been or will be met. Please see the map for the site location.

NYSDEC has approved a Final Engineering Report and issued a Certificate of Completion regarding the site. A copy of the report and Notice of the Certificate of Completion are available at the location(s) identified below under "Where to Find Information."

The cleanup activities were performed by YRC Worldwide Enterprise Services, Inc. with oversight provided by NYSDEC.

How to Comment

Public comments are being received before the decision to remove the site from the Registry of Inactive Hazardous Waste Disposal Sites is finalized. **NYSDEC is accepting written comments for 30 days, from June 30, 2017 through July 30, 2017.** Please submit comments to the NYSDEC project manager listed under Project Related Questions in the "Who to Contact" area below.

A summary of any comments will be assembled and made available for viewing at the location(s) identified below under "Where to Find Information." If we do not receive any new or additional information during this public comment period that changes our delist proposal, we will delist the site on or after August 29, 2017.

Completion of Project

DEC has determined that this site no longer presents a threat to public health or the environment and is proposing to delist the site from the Registry of Inactive Hazardous Waste Disposal Sites for the following reasons(s):

The follow activities have been implemented to achieve the remedial action objectives:

Based on successful Bench and Pilot Test Studies which confirmed the feasibility of treating the contaminated groundwater using a bioremediation material called Hydrogen Release Compound (HRC), the PCE and the 1,1,1-TCA source areas were remediated in 2006 -2008. In addition, HRC was injected along the south property line. By addressing both source areas, the remaining contamination has attenuated (lessened) and is expected to continue to do so over time.

A vapor intrusion investigation was also conducted on-site and off-site from March 2006 to March 2007 including sub-slab soil vapor, indoor air and ambient air sampling in the on-site garage and terminal building/offices and at one off-site manufacturing building.

A total of 19 monitoring wells were installed to monitor the groundwater quality periodically for PCE, 1,1,1-TCA and other volatile organic compounds. A long-term groundwater monitoring program was completed from 2005 to 2014 showing the effectiveness of the bio-remediation injections. Monitoring confirmed that the concentrations of contaminants in the plume were declining satisfactorily and were close to groundwater standards and therefore the monitoring wells were decommissioned.

An approved Site Management Plan includes a soil vapor intrusion evaluation for any change of use, and an at-depth Excavation Plan if an excavation will extend to within one foot of the groundwater table. An Environmental Easement was placed on the property to prevent potential future exposures to low level sub-surface soil vapor in the truck garage and to require ground water use restrictions.

Final Engineering Report Approved

The NYSDEC has approved the Final Engineering Report, which:

- 1) Describes the cleanup activities completed.
- 2) Certifies that cleanup requirements have been or will be achieved for the site.
- 3) Describes any institutional/engineering controls to be used.
- 4) Certifies that a site management plan for any engineering controls used at the site has been approved by NYSDEC.

Institutional and Engineering Controls

Institutional controls and engineering controls generally are designed to reduce or eliminate exposure to contaminants of concern. An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction, when contamination left over after the cleanup action makes the site suitable for some, but not all uses. An *engineering control* is a physical barrier or method to manage contamination such as a cap or vapor barrier.

An institutional control in the form of an environmental easement is in place on the site. No engineering controls are in place on the site.

Background

Location: The TNT Red Star Express Site is located in Kirkwood just east of Binghamton, NY at 215 Industrial Park Drive (County Route 181) in the Town of Kirkwood's Industrial Park. The industrial park is located southwest of US 81, and northeast of Route 11. The Kirkwood Valley Park (recreational) is south-southwest of the Site.

Site Features: The 5.1 acre site is relatively flat and owned by a private leasing company. It is completely paved except for a single story truck terminal with two offices and a separate high-bay truck maintenance garage. Public water and sewage utilities serve the area.

Current Zoning and Land Use: The site is an active truck terminal and is zoned I-D for Industrial Development by the Town of Kirkwood. The surrounding adjacent properties are also zoned I-D. Properties south and east of the site are zoned Planned Recreation (Park Creek) or Residential. The nearest residential area is approximately 0.1 miles east of the site.

Past Use of the Site: The site was used by USF Red Star Express as a trucking terminal where goods are transferred between trucks for distribution. The high-bay garage is an active large truck repair/maintenance facility. In 1991, while unloading drums from a tractor trailer, a fork truck punctured two 55 gallon drums of Perchloroethylene (PCE) at the loading dock. Shortly after the spill was reported to NYSDEC, 120 tons of PCE-contaminated soil were removed followed by a soil gas survey and additional remediation using soil vapor extraction techniques. Subsequently, four on-site monitoring wells (MW-1 through MW-4) were installed by the responsible party and monitored quarterly for several years prior to signing a Consent Order with NYSDEC.

Site Geology and Hydrology: The Susquehanna River is about one-half mile south of the site. Park Creek, a small tributary to the Susquehanna River, is less than 500 feet east of the site. Depth to groundwater is at approximately 8 feet below grade (elev. 848 ft.) and the site groundwater flow direction is to the south-southeast. Regional groundwater flow is south-southwest, parallel to the flow of Park Creek. The subsurface soil is sandy silt with some clay and there is a low permeability clay layer at 15-20 feet below the surface.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=704028>

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Kirkwood Town Clerk's Office
Attn: Ms. Gayle Diffendorf
70 Crescent Drive
Kirkwood, NY 13795-9654
phone: (607) 775-1966

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

John Durnin
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016
518-402-9768
john.durnin@dec.ny.gov

Site-Related Health Questions

Eamonn O'Neil
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza Corning Tower, Room 1787
Albany, NY 12237
518-402-7860
BEEI@health.ny.gov

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