NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

Dear Interested Citizen:

If you have any questions or would like more information, please do not hesitate to contact:

Mr. Shive R. Mittal, P.E.
Project Manager
NYSDEC
50 Wolf Road
Albany, New York 12233
(518) 457-0315
or

Mr. Thomas Suozzo
Regional Project Manager

NYSDEC
Kirkwood Sub-Office
1679 NY Route 11
Kirkwood, NY 13795-9772
(607) 775-2545

For site related health questions, please contact the following Health Department representatives:

Mr. Gary Robinson
NYS Dept of Health

217 South Salina Street
Syracuse, NY 13202
(315) 426-7627

or

Mr. Mark VanDeusen
Outreach Unit
NYSDOH
Flanigan Square
547 River Street
Troy, NY 12180
1 (800) 458-1158, Ext. 27530

FACT SHEET

TNT-RED STAR EXPRESS SITE

Hazardous Waste Site (Site # 7-04-028)

RECORD OF DECISION
MARCH 2001

INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC), in cooperation with the New York State Department of Health (NYSDOH) is pleased to inform you that a remedy has been selected for the TNT-Red Star Express site. This remedy is described in a document called a Record of Decision (ROD). The 5 acre site is located at 97 Industrial Park Drive in the Town of Kirkwood, Broome County, New York, within an active industrial park (See Figure).

SITE BACKGROUND

The site is leased by USF Red Star (formerly known as TNT Red Star) from C&D Terminal Leasing and is used as a trucking terminal where goods are transferred between trucks for distribution. During the first week of January 1991, while loading drums into a trailer, a forklift punctured several drums containing tetrachloroethene (PCE) accidentally releasing approximately 100 gallons of PCE into the trailer and eventually onto the ground. Subsequently, USF-Red Star removed approximately 120 tons of contaminated soil as a part of the spill response action. In addition, USF-Red Star installed and operated a soil vapor extraction system during 1991. To assess the impact to groundwater, USF-Red Star installed three groundwater monitoring wells and carried out quarterly groundwater monitoring between 1992 and 1995.

SUMMARY OF REMEDIAL INVESTIGATION

To determine the nature and extent of contamination, and to determine the potential impact these contaminants pose to human health and environment, a Remedial Investigation(RI) was conducted by USF-Red Star, through their engineering consultant Leader Environmental, Inc. USF-Red Star is the Potentially Responsible Party (PRP) for this site, and has agreed to complete the Remedial Investigation/Feasibility Study (RI/FS).

The investigations found that the site groundwater is contaminated with PCE at a concentration of as high as 1,500 parts per billion (ppb) compared to the groundwater standard of 5 ppb. Additionally, during the RI, the groundwater in the vicinity of an oil/water separator was found to be contaminated with 1,1,1-Trichloroethane (TCA) at a concentration of 3,500 ppb. The state drinking water standard for TCA is 5 ppb. The groundwater flow is to the south and contaminated groundwater has migrated a short distance off site.

SUMMARY OF FEASIBILITY STUDY

The information generated during the Remedial Investigation was used to develop and evaluate potential remedial alternatives during a "Feasibility Study". The criteria used in the FS to evaluate the remedial alternatives were:

a. Protection of human health and environment
b. Compliance with New York State Standards, Criteria and Guidelines
c. Short-term impacts and effectiveness
d. Long-term effectiveness and permanence
e. Reduction of toxicity, mobility and volume
f. Implementability
g. Cost

RECORD OF DECISION

Using the Feasibility Study, a Proposed Remedial Action Plan (PRAP) was prepared by the State and presented to the public in December 2000. After all public comments were considered, a final selection of the remedial action for the cleanup was made and documented in the ROD. Briefly, the ROD formally accepts Alternative 6 recommended in the Proposed Remedial Action Plan (PRAP). The elements of the selected remedy are as follows:

- Installation of a groundwater extraction and treatment system. The extraction well located near the terminal building will remove contaminated groundwater from the 1991 spill area for treatment. A second extraction well located near the oil/water separator will remove TCA contaminated groundwater for treatment.
- Installation of injection wells around the source areas to introduce nutrients and/or microbes into the groundwater to enhance the biodegradation of the contaminants.
- A treatability study to effectively design the bio-remediation system.
- Implementation of a long-term monitoring program to evaluate the effectiveness of the remedy.

THE NEXT STEP

USF Red Star will be asked to undertake the remedial design and construction of the selected remedy. During the design phase, the detailed plans and specifications will be prepared that will be used by the remedial contractor to construct the remedy. Once the negotiations with USF Red Star are concluded, the remedial design is likely to take 6 to 9 months to complete and bidding and construction is likely to take 3 to 6 months thereafter.

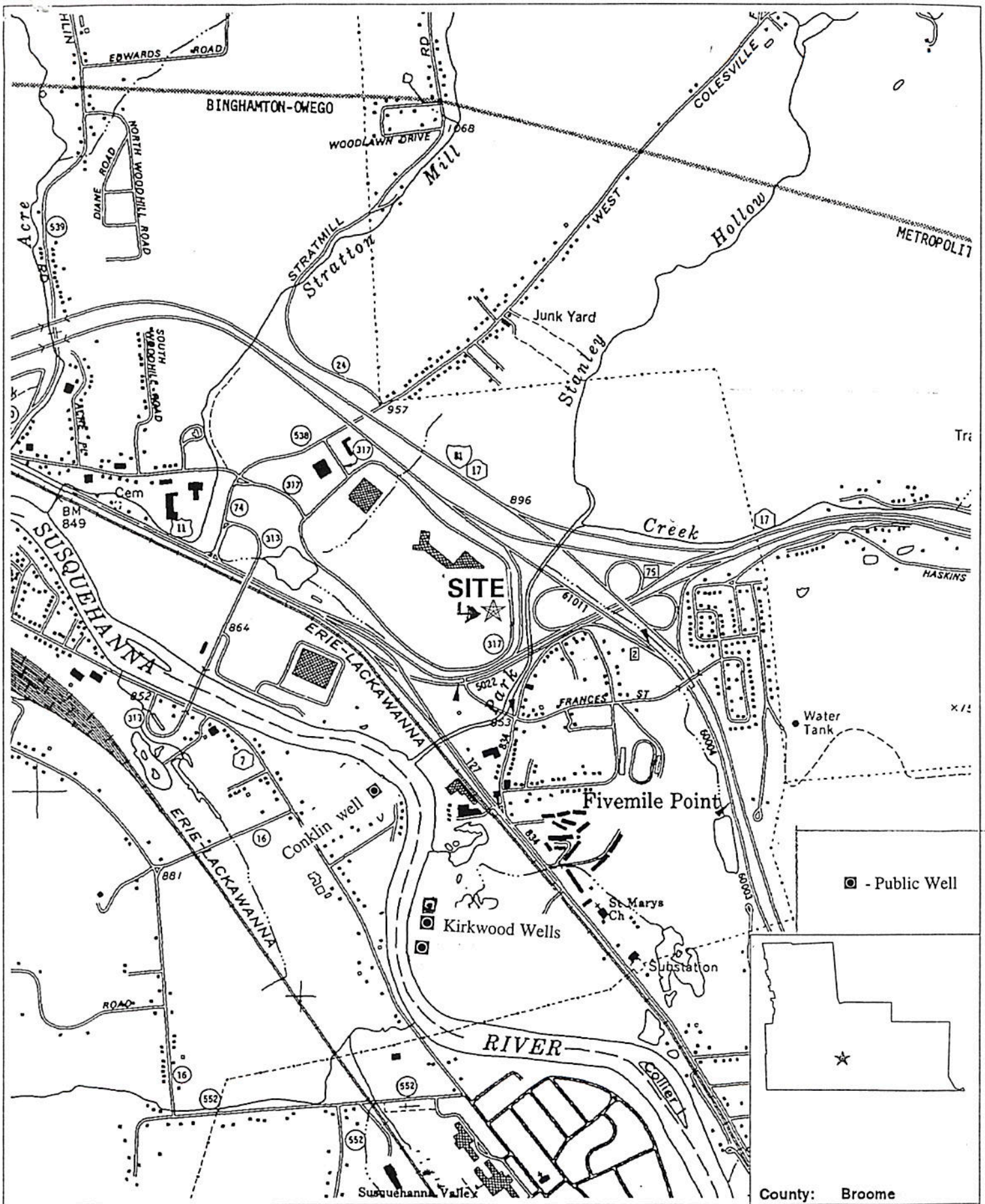
DOCUMENT REPOSITORIES

The NYSDEC has established Document Repositories for the TNT-Red Star Express site at:

Kirkwood Town Clerk's Office
(Ms. Gayle Diffendorf, Town Clerk)
70 Crescent Drive
Kirkwood, NY 13795-9654
Hours: Mon.-Fri, 9 a.m.-1 p.m./2 p.m.-4 p.m.

or, by appointment at
NYS Dept. of Environmental Conservation
Region 7 Headquarters
615 Erie Boulevard West
Syracuse, NY 13204
Hours: Mon-Fri 8:30-4:45
Contact: Mr. Kevin Delaney 315-426-7400

The ROD and other site related documents are available for public review at the above repositories. We urge you to visit your local repository. In addition, your questions or comments are important to us, so please feel free to call us at the phone numbers listed on the front of this Fact Sheet.



TNT-RED STAR SITE
97 INDUSTRIAL DRIVE
KIRKWOOD, NEW YORK

Figure 1