



Public Meeting Invitation

**Thursday,
April 15, 2004
7:00 p.m.**

**Farmingdale Public Library
116 Merritts Road
Farmingdale, New York**

The NYS Departments of Environmental Conservation and Health (NYSDEC and NYSDOH) will discuss the proposed remedy for the HWD site. At the meeting, representatives from the NYSDEC and NYSDOH will:

- Describe results of the site investigations;
- Explain the proposed remedy;
- Answer your questions about the remedy;
- Receive your verbal or written comments about the proposal.

PUBLIC COMMENT PERIOD:

From: April 1, 2004
To: April 30, 2004

FACT SHEET

March 2004

HAZARDOUS WASTE DISPOSAL

SITE No. 1-52-113

11A Picone Boulevard,
Farmingdale, NY 11735

Remedy Proposed for the Hazardous Waste Disposal Site

Public Meeting, Comment Period Announced

The New York State Department of Environmental Conservation (NYSDEC), working cooperatively with the New York State Department of Health (NYSDOH), has proposed a remedy designed to address contamination identified at the Hazardous Waste Disposal (HWD) inactive hazardous waste disposal site in Farmingdale, New York (*see location map on page 4*).

The Proposed Action: Highlights of the remedy include treatment of source area soils by either *in situ* chemical oxidation or soil vapor extraction (SVE) and treatment of on-site and off-site groundwater by either *in situ* chemical oxidation or air sparging. This proposal is described in the site's proposed remedial action plan (PRAP). The PRAP was developed following a detailed investigation of the site. The PRAP evaluates different options to clean up the site and presents the alternative preferred by the NYSDEC and NYSDOH.

See pages 2 and 3 of this fact sheet for a summary of the PRAP, site history, and summary of the site investigation. The full PRAP is available for your review at the document repositories listed on page 3.

Your Opportunities to Comment on the Proposed Remedy: Release of the PRAP begins a process to finalize selection of the remedy for the site. Your comment and input about the proposed remedy are important and encouraged.

Your oral and written comments about the PRAP are welcome at the **public meeting** (see sidebar) and during a **public comment period** which runs until April 30, 2004. Written comments also may be mailed until the end of the comment period to:

Mr. David A. Camp
NYSDEC, Division of Environmental Remediation
625 Broadway, Albany, New York 12233-7016

What Happens Next: All comments received during the public comment period will be considered as the remedy for the HWD site is finalized. Public input will be factored into the record of decision (ROD) which will describe the remedy selected and why it was chosen. NYSDEC will respond to comments in a responsiveness summary to be part of the ROD.

Site Location and Description

The HWD Site is located at 11A Picone Boulevard in the Village of Farmingdale (see figure on page 4). The site is approximately one half acre in size and includes the area where hazardous waste storage, transfer, and recycling operations were historically conducted. This area of the site is now covered by a concrete slab and is currently used as a truck/tractor-trailer parking lot. Access to the site is limited by a chain-link fence to the north, east and south of the site, and a concrete wall associated with a storage yard to the west of the site. Land use in the vicinity of the site is commercial/industrial.

Site History

HWD, Inc. operated as a hazardous waste storage, transfer and recycling facility at the site from approximately 1979 to 1982. Hazardous wastes (primarily spent solvents and acidic wastes) were collected from off-site generators, transported to the site by HWD, Inc. and stored on site prior to off site transport and disposal. Spent solvents were also recycled for resale. Spills at the facility were noted during inspections by the United States Environmental Protection Agency (USEPA) in 1981 and the Suffolk County Health Department in 1982. Hazardous wastes management operations ceased at the site in 1982 under an Order on Consent with the NYSDEC. In 1984, all remaining wastes and waste management tanks were removed from the site.

Between 1988 and 1991, the NYSDEC conducted Phase I and Phase II site investigations. Based on these investigations, in 1992, the NYSDEC listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required. In August 1999, over eighty of the potentially responsible parties (PRPs), who generated hazardous wastes that were disposed of at the site, entered into an Order on Consent with the NYSDEC. The Order obligated the responsible parties to implement a remedial program.

Site Investigation and Remedial Alternatives Evaluation

The PRP group conducted the detailed site investigation between November 1999 and February 2001 with supplemental sampling conducted in August 2002 and April 2003. The soil and groundwater associated with the

site was found to be contaminated with volatile organic compounds (VOCs), primarily the solvent tetrachloroethene (PCE). The field activities and findings of the investigations are described in detail in the remedial investigation (RI) and feasibility study (FS) reports.

The following activities were conducted during the RI:

- Research of historical information,
- Geophysical survey to determine the presence and location of subsurface structures;
- Groundwater sampling from new and existing monitoring wells and from temporary borings;
- Soil sampling and analysis;
- Soil gas survey to locate possible vapor exposure pathways;
- Collection of indoor air samples from the buildings adjacent to the site; and
- A survey of public and private water supply wells in the area around the site.

The information developed during the RI and supplemental investigations were then used to develop potential remedial alternatives for the HWD Site. These potential remedial alternatives were identified and evaluated in the FS report.

Health Issues

Indoor air monitoring identified PCE above the NYSDOH ambient air guideline at the R&D Carpet and Tile company, located to the south of the site. This impact appears to be site related. Measures were put in place by the PRPs to reduce the amount of PCE detected in the indoor air, but the measures have not consistently reduced the PCE indoor air levels below the NYSDOH guideline.

Dermal contact with contaminated soils are not expected since contamination is subsurface and the site is covered with pavement. Site groundwater is not currently or expected to be used for drinking because the surrounding area is served by public water. Although the ingestion of contaminated groundwater is a potential exposure pathway, the ingestion of contaminated groundwater is not expected because the surrounding area is serviced by municipal water.

Summary of Proposed Remedial Action

The PRAP identifies the remedy preferred by the NYSDEC and NYSDOH to remediate the contaminated soil and groundwater. The proposed alternative was chosen following a detailed investigation of the site and evaluation of alternatives for remediating the VOC contamination.

The elements of the proposed remedy include:

- Treatment of source area soils by either *in situ* chemical oxidation or SVE.
- Treatment of on-site and off-site groundwater by either *in situ* chemical oxidation or air sparging.
- A pre-design investigation to determine the extent of the downgradient groundwater plume and the optimum location for the injection wells, SVE/air sparging wells and performance monitoring wells.
- A pilot study to evaluate the effectiveness and

design parameters of chemical oxidation applied to source area soils.

- Verification sampling of treated soil and groundwater to confirm the effectiveness of the remedial actions.
- Installation, operation, maintenance and monitoring of vapor intrusion controls to reduce PCE concentrations in indoor air at the nearby R&D Carpet and Tile building to ambient background levels.
- Institutional controls consisting of a site management plan.

Costs and Funding for the Site Remedy

The total present worth to construct and implement the proposed remedy is estimated at \$1,510,000 to \$1,800,000, depending on which technology (chemical oxidation vs. SVE/air sparging) is used. Upon issuance of the ROD, the NYSDEC will approach PRPs to implement the selected remedy under an Order on Consent.

Document Repositories: To review the complete PRAP and other site information.

Farmingdale Public Library
116 Merritts Road
Farmingdale, New York
Phone: (516) 249-9090
Hours: M, T, Th 9:00 am - 9:00 pm
Wed 10:00 am - 9:00 pm
Fri 9:00 am - 6:00 pm
Sat 9:00 am - 5:00 pm
Sun 1:00 pm - 5:00 pm

NYSDEC - Region 1 Office
SUNY, Building 40
Stony Brook, NY 11790-2356
Phone: (631) 444-0240
Hours: Mon-Fri 8:30 am - 5:00 pm

NYSDEC
625 Broadway
Albany, New York 12233-7016
Contact: David Camp
Phone: (518) 402-9768
Hours: Mon-Fri 8:30 am - 5:00 pm

For More Information: Call or write the following staff for more information about:

**Meeting/Comment Period/
Technical Information:**
David A. Camp, Project Engineer
NYSDEC
625 Broadway
Albany, New York 12233-7016
Phone: (518) 402-9768

Health-Related Information:
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Citizen Participation:
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