

**NEW YORK STATE
DEPARTMENT OF**



**ENVIRONMENTAL
CONSERVATION**

Dear Interested Citizen:

This Fact Sheet is to inform you about proposed activities associated with the Erdle Perforating Company site. If you have any questions or would like more information, please do not hesitate to contact:

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(518) 402-9767 or
(888) 459-8667

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Region 8 Office
6274 E. Avon-Lima Rd.
Avon, NY 14414
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For site-related health questions, please contact:

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Troy, NY 12180-2216
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FACT SHEET

Erdle Perforating Company Site

SOIL VAPOR INTRUSION INVESTIGATION UPDATE ERDLE PERFORATING COMPANY SITE - TOWN OF GATES, NY Hazardous Waste Site# 8-28-072 AUGUST 2007

Public Availability Session and Community Meeting

On September 19th from 6 to 9 p.m., New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) will be available to discuss individual sampling results, answer specific questions, and/or talk one-on-one privately with members of the community during the Public Availability Session.

On September 20th at 7 p.m., NYSDEC and NYSDOH representatives will update the public on the recent soil vapor intrusion (SVI) investigation conducted near the Erdle Perforating Company site in the Town of Gates, New York. A formal presentation will be given during the scheduled evening Community Meeting which will also provide an opportunity for questions.

The meetings will be held at the Hidden Valley Club located at 199 Hidden Valley Road [585-247-6050]. You are invited to attend both sessions.

Introduction

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), collectively the State, are issuing this fact sheet to provide a project update for the soil vapor intrusion (SVI) investigation recently conducted in the vicinity of the Erdle Perforating Company site (the Site), located at 100 Pixley Industrial Parkway in the Town of Gates, Monroe County, New York. The Site is located within an industrial area and located north of the Conrail railroad tracks, an undeveloped marsh area, and a developed residential area.

Site Background

The Erdle Perforating Company site was developed in 1968 and has since operated as a facility specializing in sheet metal perforation. From the 1970's to 1987, Erdle collected waste trichloroethene (TCE) in an underground storage tank, located southwest of the facility building, prior to disposal. TCE is a solvent degreaser typically used to clean metal parts. In 1987, the TCE underground storage tank was removed from the Site after it was determined to have leaked into on-site soils and groundwater. In order to further investigate and remediate the TCE spill, Erdle Perforating Company (Erdle)

entered into an Order on Consent (the Order) with the NYSDEC in 1994.

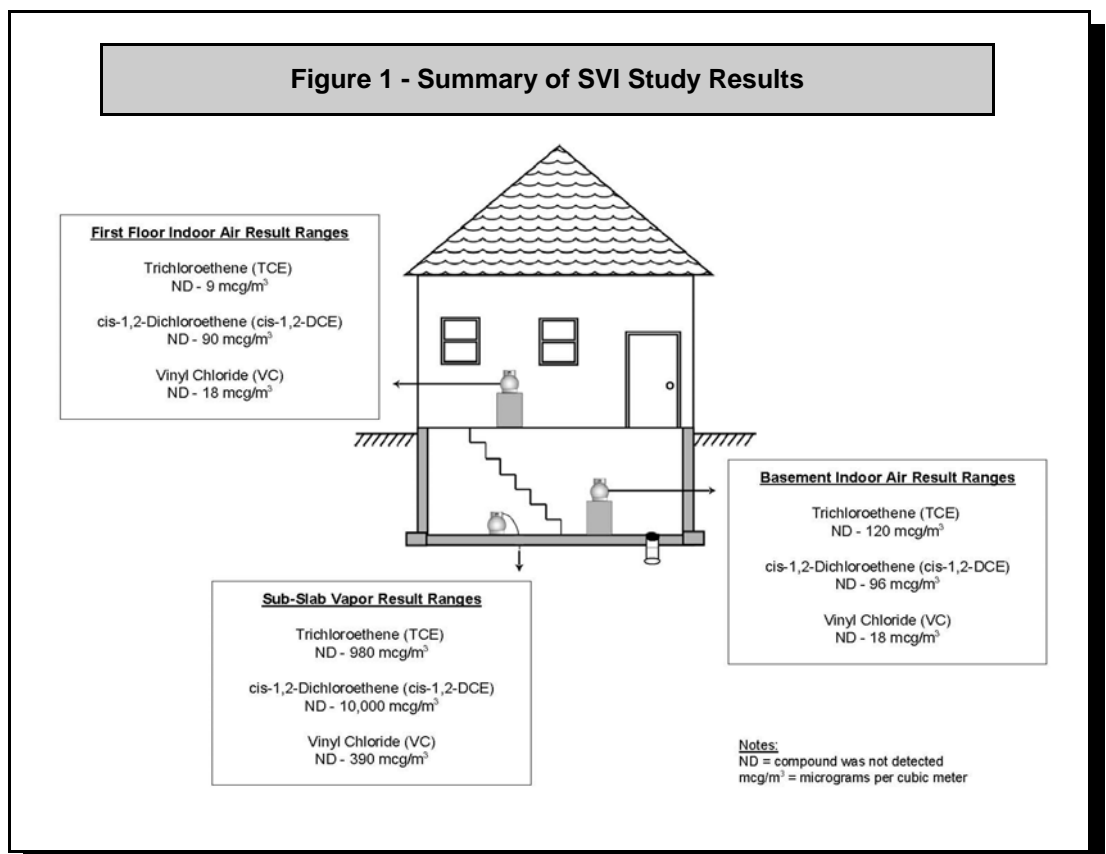
Under the terms of the Order, Erdle conducted multiple site investigations to assess the contamination associated with the former leaking TCE underground storage tank. At the request of the State, Erdle installed off-site monitoring wells downgradient of the Site to assess the off-site groundwater quality. Groundwater samples collected from the monitoring wells revealed off-site groundwater volatile organic compound (VOC) contamination. In order to assess the potential for soil vapor intrusion (the process by which volatile chemicals move from a subsurface source into the indoor air of overlying buildings) from the off-site contaminated groundwater, Erdle was requested by the State to perform soil vapor intrusion sampling within the developed residential area located south of the Site. In response to the request, Erdle conducted limited off-site soil vapor intrusion sampling in 2005.

Based on the findings of the limited soil vapor intrusion sampling, which included the collection of indoor air, outdoor air and sub-slab vapor samples at three residential properties, the State determined that further investigation was needed to evaluate the potential for vapor intrusion and potential human exposures at nearby residential structures.

Soil Vapor Intrusion Study

In February 2007, the NYSDEC and NYSDOH announced that the State would conduct a soil vapor intrusion study (the Study) to follow up on the sampling conducted by Erdle. The purpose of the study was to evaluate the potential for subsurface vapor contamination to migrate into the indoor air of homes and buildings (e.g., through cracks in slabs or basement floors and walls, and through openings around sump pumps or where pipes and electrical wires go through the foundation) and affect indoor air quality (known as soil vapor intrusion). The Study included the collection of samples from a total of thirty-eight residential properties during March and April 2007. The samples collected included indoor air, sub-slab vapor (air samples from beneath the building's foundation) and outdoor air. The initial residential property locations proposed for sampling (the Study Area) were identified based on their proximity to the Erdle Perforating Company site and elevated groundwater concentrations detected during off-site groundwater sampling.

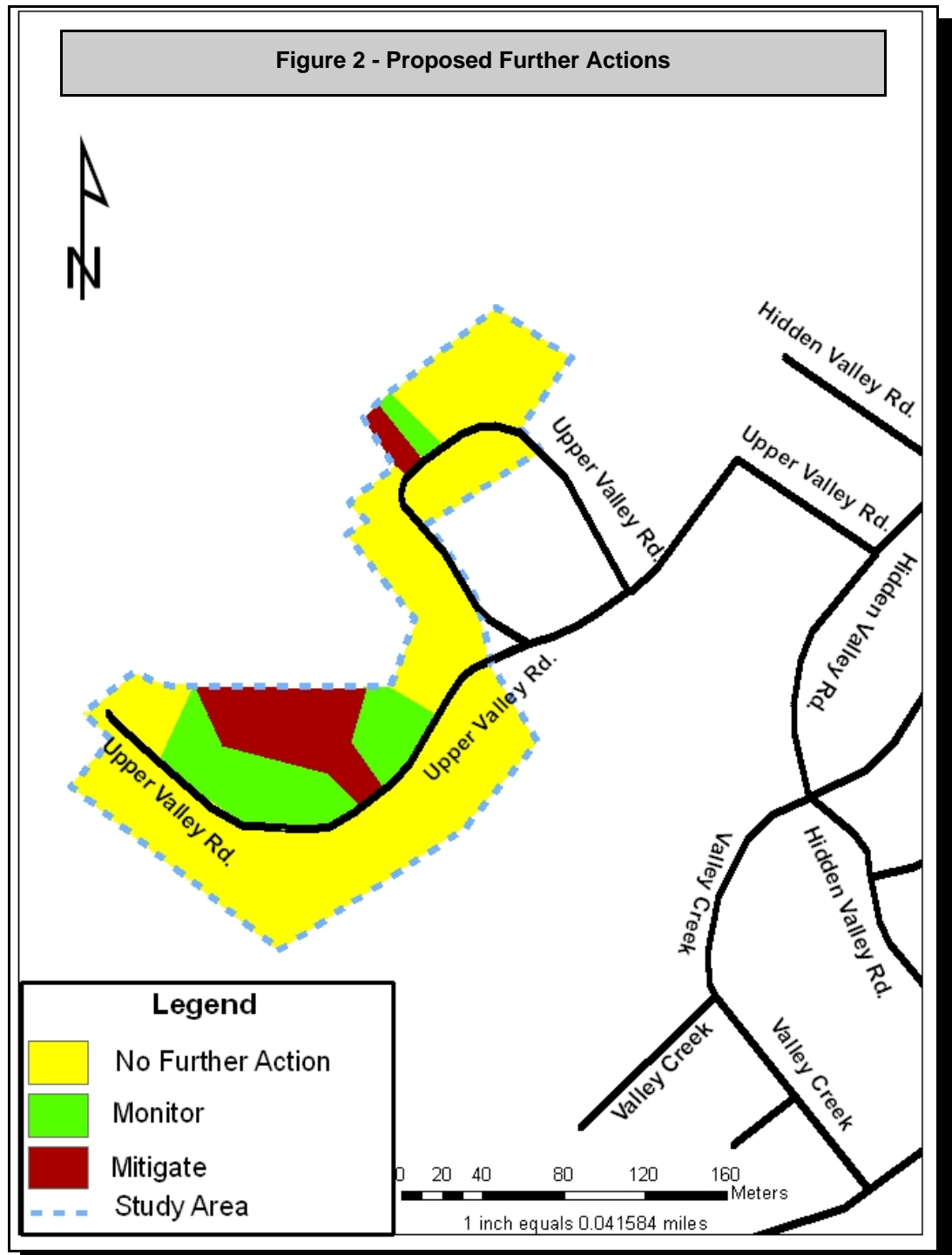
The samples were analyzed for VOCs, including TCE, a common industrial solvent used for cleaning and the primary contaminant of concern at the site based on the results of on- and off-site groundwater samples. Although TCE is the primary contaminant of concern, breakdown products associated with TCE including cis-1,2-Dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), were also evaluated for during the Study. Refer to Figure 1 for a brief summary of the air sample results of the SVI Study.



Summary of Proposed Further Actions

Based on the evaluation of the soil vapor intrusion data and off-site groundwater data, the State has made recommendations for the thirty-eight properties sampled during the Study. Of the thirty-eight properties sampled, no further action is recommended for twenty-eight properties. The State has recommended further action within ten properties. Of the ten properties, the installation of a mitigation system has been recommended within six sampled properties and further testing or monitoring have been recommended for four sampled properties. The mitigation system, commonly called a radon mitigation system, is essentially a venting system that draws the air from beneath the building and vents it to the outdoor air above the roofline. For properties recommended further testing or monitoring, sampling shall be conducted in the same manner as the structure sampling conducted during the last heating season.

In addition to the proposed further actions for the previously sampled properties, additional properties located within the Study Area shall be requested to be sampled for soil vapor intrusion during the next heating season. This sampling will be conducted concurrently with the sampling of the four properties identified to require further testing or monitoring. The objective of the additional sampling is to further determine the extent to which VOCs (including TCE) have migrated from groundwater into overlying structures within the Study Area, and to evaluate whether actions are needed to address exposures to site-related contaminants. At this time, we have determined that there is no need to expand the Study Area. If it is determined that further investigation is required outside of the Study Area based on the evaluation of the additional data proposed to be collected, the Study Area shall be expanded. Refer to Figure 2 for an illustration



Next Steps

Concurrent with the additional soil vapor intrusion sampling, the NYSDEC plans to install additional groundwater monitoring wells in the vicinity of the residential development. The newly installed monitoring wells and selected existing monitoring wells shall be sampled for VOCs to evaluate the current groundwater quality and delineate the extent of the off-site groundwater plume. The groundwater investigation will focus on the residential area to the south of the Site which is bounded by the undeveloped marsh land to the north and the retention pond to the South. We will use the additional information collected to confirm the boundaries of the soil vapor intrusion study and to select an appropriate remedy.

After the proposed investigations are complete, the State shall evaluate the data to determine whether additional investigation is required. A community meeting shall also be held where the NYSDEC and NYSDOH will present the results of the Study, discuss any additional required activities and/or investigations, and address community concerns and comments.

Public Repositories

- **Gates Public Library** - 1605 Buffalo Road, Rochester, NY 14624-1695
(716) 247 - 6446, Hrs: M-F 10:00am - 9:00pm, Sat 10:00am - 5:00pm
- **NYSDEC Central Office** - 625 Broadway, Albany, N.Y. 12233-7016
(518) 402-9767 -or- (888) 459-8667 (By Appointment)
- **NYSDEC Region 8 Office** - 6274 E Avon-Lima Road, Avon, N.Y. 14414
(585) 226-5326 (By Appointment)

Additional Information

Any technical questions or concerns regarding the soil vapor intrusion investigation can be addressed by contacting Ms. Nicole Bonsteel of the NYSDEC at (888) 459-8667. For site-related health questions or concerns, please contact Ms. Melissa Menetti of the NYSDOH at (800) 458-1185 extension 2-7860. Additional Information can also be found in the following printed materials contained on the NYSDOH website found at: http://www.health.state.ny.us/nysdoh/gas/svi_guidance/svi_appendh.htm

Soil Vapor Intrusion: Frequently Asked Questions Sheet

- Describes the process referred to as "soil vapor intrusion"

What is exposure? Information Sheet

- Describes how a person may come into contact with chemicals in the environment

TCE Fact Sheet

-Provides additional information on TCE and the NYSDOH guideline for TCE in air