

NEW YORK STATE  
DEPARTMENT OF



ENVIRONMENTAL  
CONSERVATION



State of New York  
Department of Health

**For project  
information, call  
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**For site-related  
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**Mr. Justin Deming  
NYSDOH  
Project Manager  
((800) 458-1158 ext. 27860**

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# FACT SHEET

## Public Meeting and Availability Session

on

### Soil Vapor Intrusion Sampling

### Former Canada Dry Bottling Plant

Village of Endicott, Town of Union, New York

May 28, 2008

### Meeting Location - Union Endicott High School

Availability Session (upstairs cafeteria) 3:30 p.m. - 5:30 p.m.

Public Meeting (auditorium) Beginning at 7:00 p.m.

On Wednesday, May 28, 2008, at 7:00 p.m., the New York State Department of Environmental Conservation and the New York State Department of Health (the Agencies) will host a public meeting/informational session to discuss the ongoing environmental investigations at the **Former Canada Dry Bottling Company (Registry No. 704050)** and the soil vapor intrusion sampling performed in the nearby residential area in the Village of Endicott and Town of Union.

The Agencies will discuss the results of the recent soil vapor intrusion investigation performed this past winter. The Agencies will also discuss how these results relate to groundwater samples collected during the summer and fall of 2007 and how this information will be used in the continued effort to address contamination associated with the Former Canada Dry Bottling Facility. Prior to the public meeting, 3:30 p.m. to 5:30 p.m., and following the presentation, Agency representatives will be available to answer questions, talk one-on-one with members of the community, and provide residents whose homes were sampled with an opportunity to ask questions specific to their results.

#### Background

The **Former Canada Dry Bottling Company** site is located at 2 and 7 Badger Avenue. Currently, 2 Badger is unoccupied and 7 Badger is used as a recycling facility (paper and printer cartridges). This site was initially investigated in the early 1990s. Trichloroethene (TCE) was detected in the groundwater and soil on site. As a result, two dry wells in the 2 Badger Avenue building, along with one area outside of the building and one area on the 7 Badger Avenue parcel, were excavated. In addition, a soil vapor extraction (SVE) system was installed and operated.

The site was sampled again as part of the Endicott Area Wide Study in 2005 and 2006. High levels of TCE were found to be remaining in the on-site groundwater and soil gas. The Agencies have conducted a groundwater investigation to further characterize the nature and extent of groundwater contamination in the area. Based on the findings of the additional groundwater investigation, the Agencies initiated a soil vapor intrusion investigation in the nearby community.

#### Vapor Intrusion Evaluation

Soil vapor or soil gas is the air found in the pore spaces between soil particles. Volatile compounds like TCE can, through a process called vapor intrusion, migrate from the contaminated groundwater as a vapor and move through subsurface soils and potentially into the indoor air of overlying buildings. Indoor air is affected by

vapor intrusion when volatile chemicals in soil gas are present beneath a building and are drawn through cracks and openings in the foundation and mix with the indoor air. This process is similar to how radon gas seeps into homes and affects the indoor air. This past heating season, the NYSDEC and the NYSDOH conducted sampling at 115 structures in the West Endicott Area to determine whether actions are needed to address exposures related to soil vapor intrusion. All of the samples were sent to private, independent laboratories where they were analyzed for volatile organic compounds.

The sampling was performed under the supervision of the Agencies and/or their representatives at no cost to the property owners. Results from the structure sampling confirm the limits of the study area defined by the Agencies. Those homes tested outside of the study area showed little to no influence from soil vapor intrusion. Based on the information collected this past heating season, the Agencies have recommended that mitigation systems be provided for 58 structures in the study area, that additional sampling be conducted at 29 structures and that no further action is necessary at this time for 59 structures. Overall, actions to address exposures related to soil vapor intrusion are largely based on TCE concentrations beneath structures. TCE was not detected above the NYSDOH air guideline in any of the residential structures or in the outdoor air. Therefore, health effects from exposure to the concentrations detected in indoor and outdoor air are unlikely (i.e., the risks are minimal to low). Additional structure sampling will be performed next heating season to further refine the study area and to ensure that no additional actions are necessary to address exposures related to soil vapor intrusion. If your home was not sampled this past heating season and you reside within the study area and you are interested in having your home tested, we encourage you to attend this meeting and volunteer for sampling in the 2008/2009 heating season.

### **Further Information**

You may obtain additional information by contacting one of the representatives listed on the front of this fact sheet. You may review project documents at the following locations:

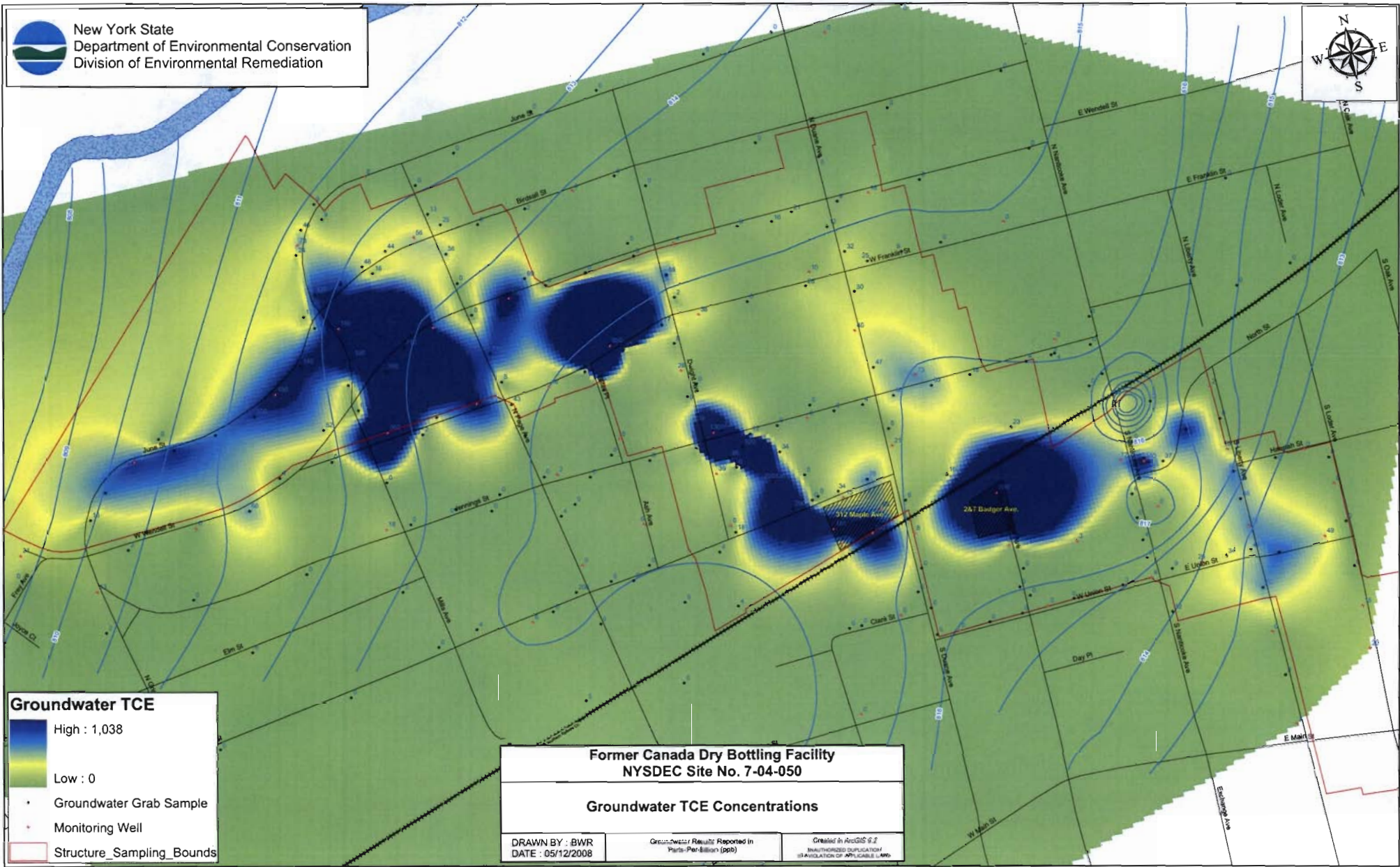
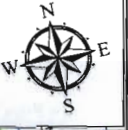
NYSDEC  
Region 7, Kirkwood Office  
1679 New York State Route 11  
Kirkwood, NY 13795  
(607) 775-2545  
Toll Free (800) 775-2510  
Mon. - Fri. 8 a.m. to 4 p.m

George F. Johnson Memorial Library  
1001 Park Street  
Endicott, NY 13760  
(607) 757-5350  
Mon - Thurs. 9 a.m. to 9 p.m.  
Fri. & Sat. 9 a.m. to 5 p.m.  
(Closed Saturdays late June through Labor Day)






You can learn more about vapor intrusion at <http://www.dec.ny.gov/regulations/2588.html> or [http://www.health.state.ny.us/environmental/indoors/vapor\\_intrusion/](http://www.health.state.ny.us/environmental/indoors/vapor_intrusion/)



New York State  
Department of Environmental Conservation  
Division of Environmental Remediation



**Groundwater TCE**

-  High : 1,038
-  Low : 0
-  Groundwater Grab Sample
-  Monitoring Well
-  Structure\_Sampling\_Bounds

<b>Former Canada Dry Bottling Facility</b>		
<b>NYSDEC Site No. 7-04-050</b>		
<b>Groundwater TCE Concentrations</b>		
DRAWN BY : BWR	Groundwater Results Reported in Parts-Per-Billion (ppb)	Created in ArcGIS 9.2 UNAUTHORIZED DUPLICATION OR VIOLATION OF APPLICABLE LAWS
DATE : 05/12/2008		



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