

NEW YORK STATE
DEPARTMENT OF



ENVIRONMENTAL
CONSERVATION

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FACT SHEET

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NYSDEC – Region 2

Vapor Intrusion Investigation at Multi-Family Residence at 372 Wallabout Street

Background: At the request of the New York State Department of Health (NYSDOH), the New York State Department of Environmental Conservation (NYSDEC) will be performing a Vapor Intrusion Investigation at a multi-family residence located at 372 Wallabout Street, in the Williamsburg section of Brooklyn, New York (Site). A Site Location map is provided below.



Objective: The investigation will be performed to test for the presence of contaminants (volatile organic compounds [VOCs]) at this Site and to determine if remedial actions are necessary to ensure public health. Key VOCs of concern include, but are not limited to: benzene, toluene, ethylbenzene, xylenes, vinyl chloride, trichloroethene, tetrachloroethene and 1,1,1 - trichloroethane.

Source of VOCs: Vapor intrusion is the process in which VOCs migrate through the soil column from a subsurface source (subsurface vapor) into the indoor air of a building. Because VOCs in subsurface vapor have been detected at the adjacent property located directly to the southeast, the NYSDOH has requested that a Vapor Intrusion Investigation be performed at the Site. VOCs at the adjacent property were suspected to be caused by leaking underground storage tanks (USTs) and tank-like structures, which have been removed and disposed off-site. The USTs and tank-like structures were related to the previous owners and operators of the adjacent property prior to the current owner's occupancy.

Scope of Work: The investigation was designed to facilitate the collection of vapor data to evaluate the potential for vapor intrusion at the Site. Specifically, two sub-slab vapor samples, an indoor air sample and an outdoor air sample will be collected as part of this scope of work to characterize soil vapor below the residence, the air within, and surrounding the residence. Each vapor sample will be analyzed for VOCs.

Before any sample is collected, a pre-sampling building survey will be performed to identify, and minimize conditions that may interfere with the collection of accurate and representative samples. Potential conditions that may interfere with sample collection may include, but are not limited to the storage of products containing VOCs: freshly painted surfaces, new carpet, the use of petroleum products, etc.

This vapor intrusion investigation will be conducted in accordance with the New York State Department of Health document titled "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", dated October 2006.

Schedule: The Work is tentatively scheduled to occur in the Fall of 2007.

Citizen Information: You are encouraged to contact the representatives of the NYSDEC or the NYSDOH at any time with questions, comments or concerns.