



NEW YORK STATE
DEPARTMENT OF



ENVIRONMENTAL
CONSERVATION



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You may visit the FMC
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Middleport Public Library
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Additional information
about soil vapor intrusion
is available on the
NYSDOH website at:

[http://www.health.state.ny.us/
environmental/indoors/vapor_intrusion](http://www.health.state.ny.us/environmental/indoors/vapor_intrusion)

Fact Sheet

Regarding FMC Middleport Facility

June 2007

The U.S. Environmental Protection Agency (USEPA), the New York State Department of Environmental Conservation (NYSDEC), and the New York State Department of Health (NYSDOH) are issuing this fact sheet to summarize the information available on the soil vapor intrusion investigation of the Royalton-Hartland Central School District's Middleport Campus.

WHY WAS THE VAPOR INTRUSION EVALUATION PERFORMED AT THE ROYALTON-HARTLAND SCHOOL?

The NYSDEC and the NYSDOH are in the process of assessing all sites across New York State where volatile organic compounds (VOCs) are present in soil or groundwater. The purpose of this statewide assessment is to determine if there is a potential for vapor intrusion to impact indoor air in buildings where people are living, working or are otherwise occupied. The Agencies (NYSDEC, NYSDOH and the USEPA) requested that FMC evaluate the potential for vapor intrusion at the Royalton-Hartland School Middleport Campus based on the presence of VOC contamination (in particular, trichloroethene, or TCE) in groundwater on their site and along the southern boundary of the school campus.

HOW WAS THE VAPOR INTRUSION EVALUATION PERFORMED?

FMC has performed the following sampling activities to evaluate the potential for soil vapor intrusion at the Middleport Campus:

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| August 2005 | Collected soil vapor samples in the school yard of the Middleport school campus |
| Fall 2005 | Installed and sampled two additional groundwater monitoring wells on the school property to better define VOCs in groundwater |
| March 2006 | Collected sub-slab soil vapor, indoor air and outdoor air samples from Middleport school campus buildings |
| Summer 2006 | Installed and sampled six additional groundwater monitoring wells on the school campus |
| February 2007 | Conducted follow-up sampling (sub-slab soil vapor, indoor air and outdoor air samples) from Middleport school campus buildings to confirm the findings of the March 2006 sampling |

WHAT WERE THE FINDINGS OF THIS EVALUATION?

Based on our review of all relevant information and data collected during the soil vapor intrusion evaluation, the Agencies offer the following conclusions:

- Vapor samples from beneath the school buildings, indoor air within the school buildings and outdoor air samples near the school buildings collected in 2006 and in 2007 indicate that **TCE contamination from vapor intrusion was not detected in the school classrooms,**
- Low levels of other VOCs were detected in the indoor air samples. This is not unexpected, as chemicals are part of our everyday lives. In general, these low levels of VOCs are consistent with typical background concentrations for indoor air and do not represent a health concern, and
- Existing school building conditions (i.e. positive pressure heating, ventilation and/or air conditioning systems) are maintaining the desired endpoint (i.e. minimizing the potential for vapor intrusion into classroom areas).

WHAT ARE THE NEXT STEPS?

Based on the available information, the Agencies do not believe that additional sampling of buildings in the Middleport School Campus is necessary at this time.

Sampling and analysis of the existing groundwater monitoring wells on the school property for VOCs will continue as part of the FMC groundwater monitoring program. If the sampling indicates that conditions change, the Agencies will determine if additional evaluation is necessary at that time.