

**NJDEP/EPA Process for Sub-slab and Indoor Air
Volatile Organic Sampling
DuPont Pompton Lakes Works site
December 2010**

Listed below is an outline of the steps that should be taken when sub-slab sampling is conducted as part of the DuPont Pompton Lakes Works project that reports all Volatile Organic Contaminants detected per the NJDEP-SWRM Low Level USEPA Method TO-15, March 2007. All actions required as the result of sampling that identifies contaminants associated with DuPont's former manufacturing activities (aka "the 10 contaminants of concern") should continue to follow the Vapor Intrusion Interim Remedial Measure Workplan that has been developed for this site.

The steps identified below are designed to allow for additional sampling parameters to be reported and are dependent upon whether the property is located within the Vapor Mitigation Area (VMA) or within the Expanded Investigation Area (EIA). The steps can vary depending on the results and methods used if further investigation is warranted. If you have any questions as to whether your property is located within the VMA or EIA, please contact Mindy Mumford of the New Jersey Department of Environmental Protection (NJDEP) at (609) 777-1976 or David Kluesner of the United States Environmental Protection Agency (EPA) at (212)-637-3653.

Please note that full parameter testing is not required by NJDEP or EPA. Properties eligible for testing may still conduct sampling in accordance with the earlier program that evaluates sub-slab soil gas for only those contaminants associated with DuPont's former manufacturing activities.

In addition, all results, regardless of whether they exceed screening levels or comparison levels, must be reported to EPA for data validation. Elevated results not associated with the DuPont Pompton Lakes Works former manufacturing activities must also be directly reported to the NJDEP case manager for this project and will be evaluated for possible future investigation.

Sub-Slab Soil Gas Sampling - Paths to Follow

- A. If your property is located inside the Vapor Mitigation Area
 - 1. Regardless of contaminant detected in the soil gas, a vapor mitigation system can be installed by DuPont or a 3rd party contractor through existing mechanisms.

- B. If your property is located outside the VMA, in the Expanded Investigation Area (aka buffer zone), four sampling outcomes exist with different resulting actions:

1. Sub-slab contamination related to DuPont investigation is detected above the site-specific soil gas comparison levels (additional contaminants may or may not be present):
 - a. Vapor mitigation system can be installed by DuPont or 3rd party contractor through existing mechanisms.
2. Sub-slab contamination not related to the DuPont investigation is detected above the soil gas screening levels. The property owner has two options:
 - a. Contact NJDEP to conduct confirmatory sampling.
 1. If both are confirmed to be above screening levels, NJDEP will install a vapor mitigation system.
 - b. Choose an approved contractor to conduct indoor air sampling to identify whether contaminants not related to DuPont are in the building. Homeowner must use their own funds for this option and may file for NJ Spill Fund cost reimbursement. If indoor air contamination is elevated for the same contaminants as found in the sub-slab soil gas, a confirmatory indoor air sample is required. Issues to be aware of include:
 1. If first indoor air sampling result is elevated for the sub-slab contaminants, a second, confirmatory sample is required.
 2. Following confirmation of indoor air contamination, vapor mitigation system can be installed using homeowner funds and the Spill Fund claim process is followed again for reimbursement.
 3. Spill Fund requires 3 competitive bids for all mitigation installation work.
3. Contaminants not related to Dupont's former manufacturing activities are detected but do not exceed soil gas screening levels:
 - a. No action is required.
4. No contaminants are detected in the sub-slab soil gas:
 - a. No action is required.

More information on the Spill Fund and Environmental Claims Administration can be found at: <http://www.nj.gov/dep/srp/finance/eca.htm>