

DUPONT POMPTON LAKES WORKS FACT SHEET



ADDRESSING Pompton Lakes Soil Vapors

DuPont has been investigating the potential for vapor intrusion in the Pompton Lakes community. DuPont is committed to identifying the extent of vapor intrusion related to former plant activities and providing a proactive response to ensure protection of human health and the environment.

This fact sheet provides homeowners with information regarding the response DuPont is proposing, specifically about how a protective vapor mitigation system will be designed, installed, and maintained.

Overview

A protective vapor mitigation system (System), similar to a radon system, will be installed with your permission by DuPont's contractor. These systems are simple and effective. The System draws air, containing the soil vapors, from beneath the concrete slab in the lowest level of your house and discharges the air through an exhaust vent above the building's roofline. The figure to the lower right shows the typical components of a System.

Is There a Cost?

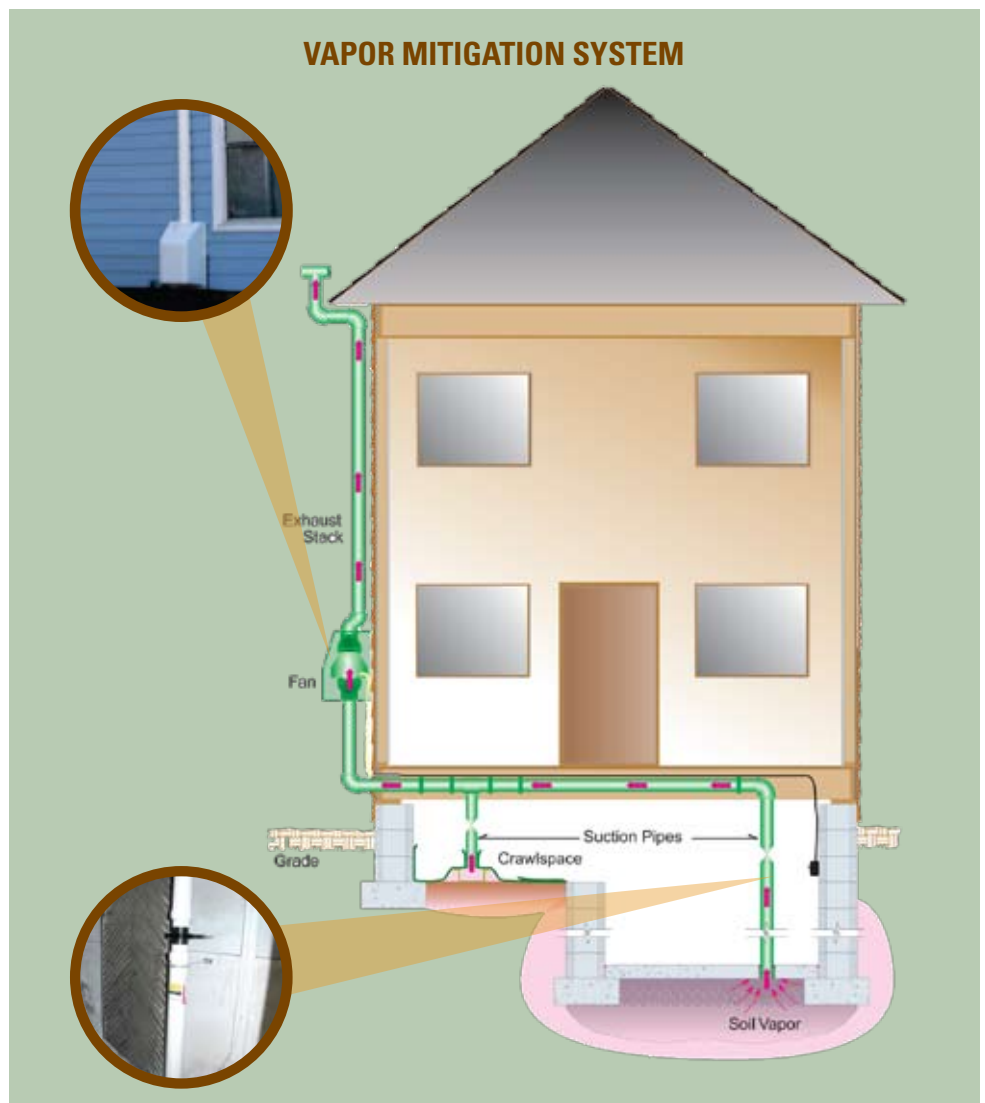
No. DuPont will cover the cost of the System's design, installation, maintenance, and operation. DuPont will also reimburse you for the electrical cost to operate the System.

What Can I Expect?

Once you have given DuPont and its contractors permission to access your property for system installation, you can expect a **minimum of two separate visits** to your home to:

1. Design the System.
2. Install and commission the System.

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FOR MORE INFORMATION | Pompton Lakes Works Remediation Project Information Center | (973) 492-7729 | 223 Wanaque Avenue, Pompton Lakes, NJ 07442

www.pomptonlakesworks.com

ADDRESSING Pompton Lakes Soil Vapors *(continued)*

From start to finish, the entire process for a typical system will take approximately one to four months to design and install the system. The exact timing will depend on how long it takes to obtain the permits and schedule our visits.

What's Involved in Designing the System?

A design team of two contractors for DuPont will conduct the design work.

A New Jersey Department of Environmental Protection (NJDEP) representative may also be present. The visit will take two to three hours. *During the design visit, the design team will:*

1. Prepare a scaled sketch of your concrete slab area.
2. Conduct "communication testing" to understand how easily the air flows under the slab, involving:
 - Drilling at least four small (3/8") holes and one larger (1") hole in the slab.
 - Applying a suction on the larger hole while measuring how well the air is flowing from the small holes.
 - Repair holes (filled with caulk) after the testing.
3. Review the proposed design with you.
4. Photograph the lower level of your home where the System will be installed.
5. Send you the design drawing and building permit application for your review and approval.

What's Involved in Installing the System?

Two or three contractors for DuPont will install the System. NJDEP representatives may also be present. A basic System can be installed in one day (about 8 hours). The fan will be mounted on the outside of your house as shown in the photo to the right. It will be wired to an existing circuit or circuit breaker. A New Jersey State-licensed electrician will inspect the electrical connections. DuPont's contractor will also obtain building permits and inspections required by the Borough of Pompton Lakes in advance of installation.

What's Involved in Commissioning the System?

Generally, the System commissioning can be completed on the same day of System installation. Commissioning activities include:

1. Conducting communication testing (using communication points drilled during the design visit) while the System is in operation.
2. Checking for back draft conditions of all combustion devices located on the slab.
3. Photographing the System components.
4. Showing you the locations of the System components and providing you with written information about how to check for proper operation, and who to call with questions about the System.

What's Involved in Maintaining the System?

DuPont will continue to maintain the System after installation. The mitigation system is designed to operate continuously for many years. However, the System will be inspected once per quarter for the first 12 months and periodically thereafter to ensure proper operation. The System inspection takes about one hour. DuPont will also respond to any non-routine maintenance calls in the unlikely event of a System problem.

What Happens After the System is Installed?

DuPont will maintain contact with you through an annual letter that will remind you how to routinely check for proper operation of the System, when routine maintenance has occurred or is scheduled, and how to contact us if certain conditions regarding your building change. In addition, you will have a phone number to call to contact DuPont any time you have questions.

Learning More about Protective Vapor Mitigation Systems:

Protective vapor mitigation systems have been used for more than 20 years to address naturally occurring radon gas from entering homes.

You can read more about how these systems work to prevent vapor intrusion by visiting the following NJDEP website. <http://www.state.nj.us/dep/srp/community/factsheets/subsurface01.htm>

FOR MORE INFORMATION, PLEASE CONTACT:

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