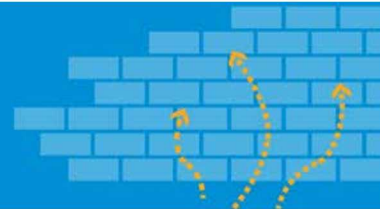


# Residential Wells - Holly Road Site

*Brighton, Michigan*



March 6, 2018

## UPDATE

The Michigan Department of Environmental Quality (DEQ) Michigan Department of Health and Human Services (MDHHS), and the Livingston County Health Department (LCHD) are working together to evaluate the potential for health risks that could be occurring from historic releases of chemicals, including trichloroethylene (TCE). The releases contaminating the groundwater originate from a manufacturing property north of Holly Road & Fifth Street in Brighton, Michigan. The contaminated groundwater plume undergoing treatment by the DEQ extends approximately 2,500-feet south of this property.

Recent developments concerning exposure to TCE vapors through the indoor air pathway (vapor intrusion) have resulted in a re-evaluation of soil gas (vapors) emanating from the plume in the residential areas. A map of the groundwater contamination plume and its area of concern are included in this update.

In August 2017, the DEQ began collecting data to learn if vapor intrusion might be occurring in your neighborhood. The data from this limited investigation was used to determine if vapors from the groundwater plume created the potential for health risks for residents living over and near the plume. The DEQ preliminary investigation found TCE in a third of the soil gas wells at levels of concern for both the residential areas and former Lindbom School. The evaluation of this data by the DEQ, DHHS and LCHD resulted in a decision to request residents potentially at risk of vapor intrusion to grant permission for the collection of sub-slab soil gas samples (lowest level of the home) coupled with indoor air samples by the DEQ consultant. To date, the DEQ, DHS and LCHD have evaluated 15 homes where access was granted.

One third of these homes have levels of TCE in their indoor air that are of concern for risk to the residents' health. To address this risk, the DEQ are installing sub-slab depressurization (SSD) mitigation systems or upgrading existing radon systems. Prior to installing the SSD systems, an air purifying unit is provided to clean the air. SSD systems operate in a manner similar to radon systems but are installed with extra testing to ensure proper function and removal of chemical vapors and naturally occurring radon gas. A few days after installation, the indoor air is tested at every level of the home to ensure that TCE vapors are mitigated to safe levels.

Sub-slab soil gas and indoor air data for the other investigated residences indicate that vapor intrusion does not currently appear to be entering the homes at levels of concern. This includes residences where TCE and other chemicals are present in the sub-slab at concentrations of concern but not found in the indoor air. If you participated in the DEQ investigation, the data collected from your home with explanation of further actions to be taken by the DEQ, DHHS and Livingston County Health Department is provided in a separate communication. The DEQ continues to monitor sub-surface soil gas and indoor air at Brighton High School (BHS) due to a portion of the groundwater contamination plume moving under part of the BHS building prior to start-up of the groundwater treatment system installed in 2008. To date, no significant TCE vapor intrusion has been detected in the high school.

## Informational Meeting for Area Residents

**When:** March 20, 2018, 7:00 to 9:00 pm

**Where:** Brighton Community Center,  
555 Brighton Street, Brighton, MI

## Primary Site Contacts:

- **DEQ:** Rebecca Taylor, Project Manager  
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Find more information on the DEQ Web  
site at [www.michigan.gov/vaporintrusion](http://www.michigan.gov/vaporintrusion)



Michigan Department of Environmental Quality

800-662-9278

[www.michigan.gov/vaporintrusion](http://www.michigan.gov/vaporintrusion)

## HOLLY ROAD RESIDENTIAL WELLS

### Brighton, Michigan

The DEQ is continuing its vapor intrusion investigation for residences around the groundwater plume. The DEQ may ask for permission to enter your home at your convenience to evaluate if TCE and other chemical vapors may have reached your property and the indoor air of your home. This will help us understand what actions, if any, should be taken to address the matter. Please contact Rebecca Taylor as soon as possible to discuss a sampling agreement and to schedule an appointment. See contact information on page 1. The enclosed fact sheet, "What is Vapor Intrusion and How is it Investigated?" describes vapor intrusion and the investigation process.

We hope that you can attend the March 20 informational meeting, where more detailed information regarding this groundwater contamination plume, contaminant pathways, risk evaluation, remediation and mitigation will be provided.

Map of DEQ  
Investigation Area,  
Groundwater Plume  
and Treatment Areas

