



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

**Colt Industries/Holley Automotive Site
EnPro Industries, Inc.
600 Highway 32 East
Water Valley, Mississippi**

Number 1

February 2016

INTRODUCTION

The Mississippi Department of Environmental Quality (MDEQ) is conducting testing in the City of Water Valley in the vicinity of the former Colt Industries/Holley Automotive site. Historical operations at the site resulted in groundwater contaminated by trichloroethylene (“TCE”). Recent EPA guidance has called for additional evaluation for the potential for vapor intrusion. MDEQ has instructed EnPro Industries, Inc. – the responsible party- to follow the EPA guidance and evaluate whether vapor intrusion may be occurring.



Because MDEQ has determined that EnPro is not acting in a timely manner, MDEQ has begun the soil gas sampling process -- the next step in the process according to the EPA guidance. In addition, MDEQ has issued an Administrative Order, that requires EnPro to determine: (1) whether any immediate risks to human health are currently occurring from chemicals released from the EnPro property; and (2) the presence, magnitude, and location of any contamination migrating from the EnPro property.

MDEQ is working to keep the local community informed and engaged during the entire assessment process.

UPCOMING ACTIVITIES

MDEQ staff and its contractors will be in the area conducting tests to determine whether TCE is moving from the groundwater into a vapor. Tests for soil gas sampling will be conducted initially. Results from those tests will dictate what action should occur next.

NEXT STEPS UNDER THE ADMINISTRATIVE ORDER

- MDEQ is moving forward with a vapor intrusion investigation the week of February 8, 2016.
- Within 5 days of being provided with the findings of MDEQ’s initial investigation, EnPro must submit a **Vapor Intrusion Assessment Work Plan** to adequately investigate, identify and define the extent of vapor intrusion impacts to all residential homes and commercial structures located over the footprint of the groundwater contamination plume where concentrations exceed the US EPA residential groundwater screening level of 1.2 µg/L for TCE.
- The Work Plan must also include a plan for community outreach efforts to obtain site access and keep the affected parties informed of sampling efforts and results.

What is Vapor Intrusion?

“Vapor Intrusion” is the movement of chemicals in the soil or groundwater that can become a gas and can travel into the indoor air of overlying buildings. The chemicals include those called volatile organic compounds (VOCs), such as TCE, which is a contaminant at the EnPro site.

- Soil gas sampling efforts shall be followed by indoor and ambient air sampling when concentrations are detected above the appropriate EPA Remedial Screening Levels.
- Within 14 days of receipt of Vapor Intrusion Assessment Work Plan approval EnPro must begin implementation of the approved work plan according to the approved schedule.
- Within 30 days of completion of the Vapor Intrusion Assessment Work Plan activities, EnPro must submit to MDEQ a Vapor Intrusion Investigation Report detailing the findings developed as a result of implementation of the approved work plan. The report must include recommendations for corrective action for any residential or commercial facilities identified that exceed appropriate regulatory limits.

MDEQ will oversee all assessments and will provide results to the community as soon as the data and information are verified as complete and accurate. MDEQ greatly appreciates the input and cooperation from residents during this process.



December 1990 – the first of two remediation systems



Monitoring well

AGENCY MISSION

The Mississippi Department of Environmental Quality (“MDEQ”) is responsible for protecting the state’s air, land, and water. Our mission is to safeguard the health, safety, and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation.

The Office of Pollution Control, as part of MDEQ, is charged with the responsibility of enforcing federal and state laws to "...conserve the air and water and to protect, maintain and improve the quality thereof for public use."

What is TCE?

TCE, trichloroethylene, is a non-flammable, colorless liquid used as a solvent for cleaning metal parts. It is a common groundwater contaminant around former industrial sites. TCE is soluble in water, but it can remain in groundwater for a long time. TCE quickly evaporates from surface water or surface soils into the air.

The health effects of TCE depend upon the pathway exposure, amount and length of exposure to the chemical. Long-term exposure to TCE vapors could pose a potential health risk. Possible effects are nerve, kidney, or liver damage. Some studies have shown TCE to cause cancer in these organs.

FOR MORE INFORMATION:

MDEQ, P.O. Box 2261, Jackson, MS, 39225

Trey Hess, Division Chief
Groundwater Assessment and Remediation
Office of Pollution Control
601-961-5654
THess@mdeq.ms.gov

Melissa McGee-Collier, Director
Office of Community Engagement
(601) 961-5025
MCollier@mdeq.ms.gov

Information will also be available online at:

www.deq.state.ms.us