

Mississippi Department of Environmental Quality

Indoor Air Study at BorgWarner

Water Valley, Mississippi



Fact Sheet

February 2017

Introduction

MDEQ continues to assess potential impacts to human health and the environment resulting from contamination at and surrounding the former Coltec Industries facility (currently owned and operated by BorgWarner). On February 4, 2017, MDEQ received sampling results showing elevated levels of trichloroethene (TCE) in the facility's indoor air. The responsible party, EnPro Industries, Inc. (EnPro), is currently performing indoor air quality assessments and taking interim measures to address observed concentrations.

The Mississippi Department of Environmental Quality (MDEQ) has worked with EnPro and BorgWarner to notify workers of the elevated TCE concentrations and implement immediate actions at the facility to reduce worker exposure. MDEQ will oversee a second round of air sampling at the facility during the week of February 13, 2017. More information about MDEQ's ongoing work to oversee the cleanup of the site is posted online at:

www.deq.state.ms.us under **EnPro Industries Inc., Water Valley**

Air Sampling Results BorgWarner				
Chemical	Range of Concentrations Detected	Screening Level **	Action Level Sensitive Population	Action Level Non-Sensitive Population
Trichloroethene (TCE) (units in ug/m³)				
Indoor Air	0.129 – 268	3	8.8	26
Notes: The range of concentrations detected are given in units of micrograms per cubic meter (ug/m ³). **Screening levels are used to help determine if further evaluation should take place				

Facility Indoor Air Sampling

EnPro's contractor conducted the indoor air sampling on January 19, 2017. Indoor air was sampled at 15 locations in both administrative and manufacturing areas of the facility. TCE was found to be above screening levels in several indoor areas. MDEQ and EPA use screening levels to help determine if further evaluation should take place.

In six (6) indoor air samples collected within the maintenance and training areas, TCE was found to be above the action level for sensitive populations (which includes women of childbearing age). Three (3) of those samples exceed the TCE action level for non-sensitive populations (which includes workers at the facility). These action levels are values used by EPA and MDEQ to identify where an action may be necessary to protect public health and/or the environment.

These air sample results are specific to the BorgWarner facility.

MDEQ is committed to keeping residents informed about our activities. MDEQ can distribute Community Updates via email in order to share information more quickly. If you would like to be added to the email distribution list, please contact:

Cassandra Johnson
(cjohnson@mdeq.ms.gov)

Public Health Concerns

The health effects of TCE depend upon the pathway, amount, and time length of exposure to the chemical. Long-term exposure to TCE vapors could pose potential health risks.

If you believe you have been exposed to TCE related to the facility, you may want to consult your doctor. The Agency for Toxic Substances and Disease Registry (ATSDR) has TCE exposure training materials and information available for doctors in Mississippi upon request. The materials explain how you can be exposed to TCE, and how it affects your health. For more information, your doctors can contact:

- o Mississippi Poison Control Center: (601) 984-5577 or (800) 222-1222
- o Bruce Brackin, MSDH: (601) 576-7725
- o Leann Bing, ATSDR: (404) 562-1784

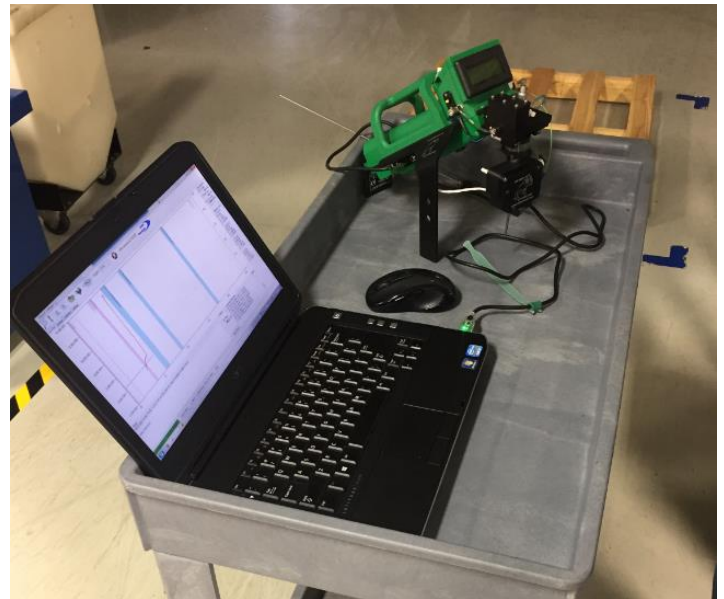
Actions Taken and Next Steps

In the near-term, EnPro and BorgWarner have taken measures to increase ventilation inside the facility to help reduce workers' TCE exposure. This may include such things as operating exhaust fans, adjusting the HVAC system to circulate air flow, and/or installing air purification systems.

Sampling results indicate that TCE may be entering the facility in the form of a gas from

Right: Monitoring equipment utilized in the facility for real-time air quality screening.

contaminated groundwater and soil beneath the building, a process known as "vapor intrusion." Groundwater sampling confirmed that there is contaminated groundwater underneath the facility property. Additional indoor air samples will be collected by EnPro contractors during the week of February 13, 2017. MDEQ continues to work with EnPro and BorgWarner to identify long-term measures to reduce and eventually eliminate TCE exposure inside the facility.



Surrounding Community Air Sampling

In 2016, MDEQ and EnPro's contractor collected numerous air samples in the community surrounding the facility during February and August/September. The results of these sampling activities did not find TCE above any action level in the community. MDEQ and EnPro will continue to monitor the conditions in the surrounding community for any changes.

CONTACTS

MDEQ Community Engagement

Melissa Collier, CE Coordinator
601-961-5025
mcollier@mdeq.ms.gov

MDEQ Technical Oversight

Lynn Chambers, GARD Division Chief
601-961-5117
lchambers@mdeq.ms.gov

FOR MORE INFORMATION

Website

www.deq.state.ms.us under
EnPro Industries Inc., Water Valley

Information Repository

MDEQ Main Office
515 Amite Street
Jackson, MS 39225