

Former Tronox/Kerr-McGee Wood Treatment Facility Springfield, Missouri

Update on Ongoing Remedial Action Investigations and Potential Next Steps Fact Sheet: February 2017

Greenfield Environmental Multistate Trust LLC, Trustee of the Multistate Environmental Response Trust (Multistate Trust), in cooperation with the Missouri Department of Natural Resources (MoDNR), is performing environmental actions to address contamination from the former Tronox/Kerr-McGee Wood Treatment Facility. The 67.7-acre Facility is located at 2800 W. High Street in northwest Springfield, Greene County, Missouri.

Since September 2016, the Multistate Trust has held two public meetings with community residents and other members of the public to provide updates on cleanup progress and plans. This Fact Sheet summarizes the most recent investigations and describes some possible follow-up activities, which may include sampling air inside homes.

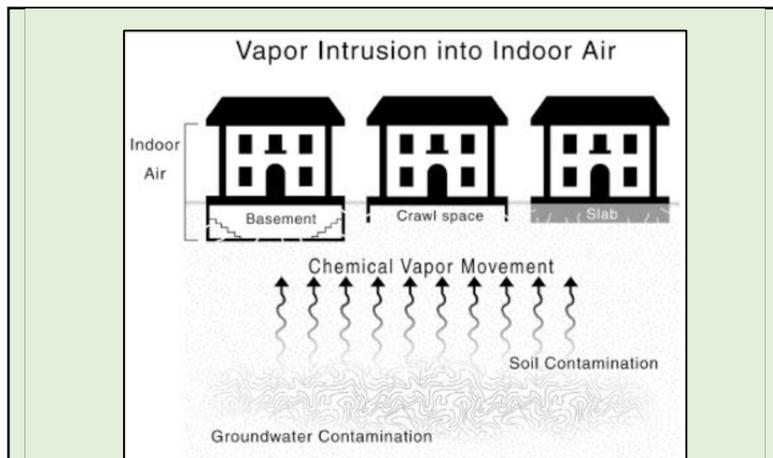


Figure 1: How Vapors Can Enter Homes

What is Vapor Intrusion (VI)?

Certain chemicals can give off gases or vapors. Vapor intrusion (or VI) refers to the movement of these gases from the soil or groundwater into homes or other buildings around pipes or through joints, foundation cracks, sumps, or drainage systems. VI is similar to the way that naturally occurring radon gas can enter a home. **Figure 1** shows how VI can occur.

Review of Recent Investigations

At a meeting on December 8, 2016, the Multistate Trust advised the public that shallow groundwater beneath the Facility and neighborhood northeast of the Facility is contaminated with chemicals previously used at the Facility. These chemicals have the potential to release vapors from the groundwater into soil and enclosed spaces, like basements. See ***What is Vapor Intrusion?***

In December, the Multistate Trust outlined a plan to sample vapors in the soil (known as “soil-gas”) in the area and to compare sample results to “screening levels” established by MoDNR to determine whether and where to collect indoor-air samples for potential vapor intrusion. See ***What are Vapor Intrusion (VI) Screening Levels?***

What are Vapor Intrusion (VI) Screening Levels?

Vapor Intrusion (VI) “screening levels” are conservative levels of chemical concentrations, based on lifetime exposure, used to determine whether additional investigation of VI is needed. If the concentrations of vapor-forming chemicals in soil-gas or in groundwater are below the screening levels, further investigation is typically not needed. If the concentrations are above the screening levels, further evaluation of VI may be warranted.

Recent Investigations and Possible Next Steps

At this time, no urgent action is required because there is no indication of imminent risks to human health.

In December 2016, the Multistate Trust collected soil-gas and groundwater samples near the Facility. The sample locations are shown in **Figure 2**. Based on the sample results, subject to approval by MoDNR, indoor-air samples may need to be collected from some homes.

What to Expect Next

MoDNR and the Multistate Trust are currently reviewing soil-gas sample results against MoDNR-approved VI screening levels to see if indoor-air sampling is needed. Where required, indoor-air samples will be collected several times over a year. The Multistate Trust will need to obtain written permission from residents of homes before collecting any indoor-air samples. These residents will be contacted sometime during the Spring of 2017.

The sampling procedures are described in **Steps For Possible Indoor-Air Sampling Program**. The Multistate Trust will also perform a background assessment of each home to make sure that sampling results are not affected by other indoor vapors (such as from paints or other household chemicals) and other conditions unrelated to contamination from the Facility.

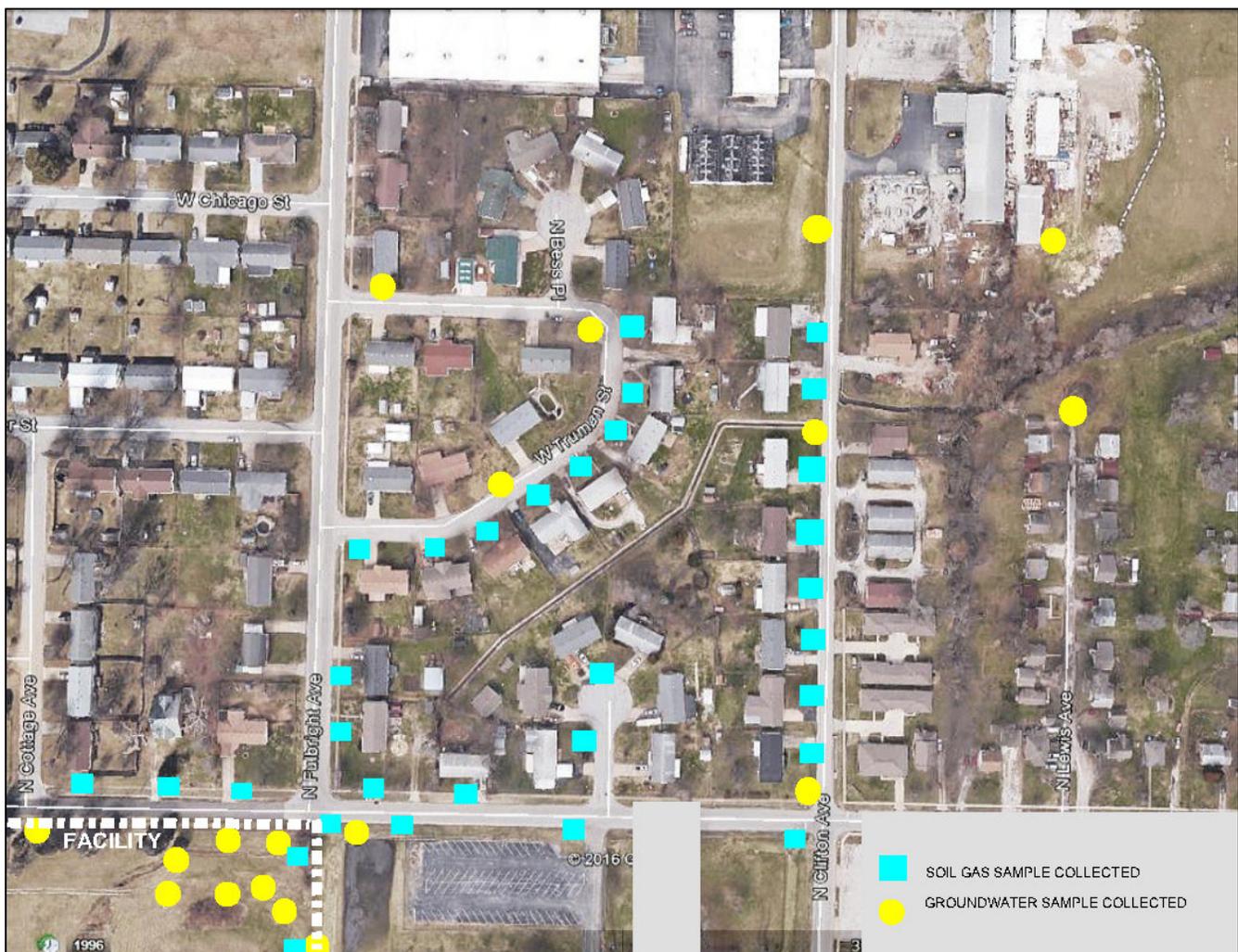


Figure 2: This map shows locations where soil-gas and groundwater samples were recently collected.

Steps for Possible Indoor-Air Sampling Program

Initial Contact. If your home is identified for indoor-air sampling, you will be contacted directly by a Multistate Trust representative.

Access Agreement. You will be asked to sign an access agreement that grants us permission to sample your indoor air. We cannot enter your property or collect any samples without a signed agreement. The agreement is voluntary and you are not legally obligated to grant us access to your home. Multistate Trust representatives will have appropriate identification. Please feel free to ask our representatives to show their IDs to you.

Activities Before Sampling. Before collecting indoor-air samples, a member of the Multistate Trust sampling team will call you to answer any questions about the sampling and make arrangements for convenient times to come to your home. The sampling team will inspect your home and interview you about building-specific factors, such as smoking, household chemicals and fuel, and fireplaces since these factors can significantly affect the results of indoor-air analyses. It may be necessary to temporarily remove items that could affect an indoor-air analysis.

Sampling. The sampling team will place indoor-air sampling devices (see Figure 3) in at least one occupied area of the home. If you have a basement, a small port will be inserted through the concrete floor to collect an air sample directly beneath your home. If you have a crawlspace, we will collect a crawlspace air sample. We will collect outdoor-air samples from your neighborhood or other locations near your home.

After Sampling. After the indoor-air sample results are reviewed by a chemist and independently validated, we will send a letter to you with the sampling results from your property. If requested, we will also meet with you to discuss the results and answer any questions.



Figure 3

A canister (far left) similar to those to be used in the indoor-air sampling is shown alongside an NBA official game basketball to indicate canister size.

Potential Vapor Mitigation Measures

If any indoor-air sampling results show that vapors exceed levels that are protective of human health and are not due to background sources in outdoor air or within the home, we would propose to install a mitigation system to remove the vapors.

If required, and with MoDNR's approval, there will be no cost for the purchase and installation of the equipment. In addition, upon request and again subject to MoDNR's approval, electricity costs to operate the vapor mitigation system may also be subsidized for a period of time.

Questions or Concerns

Protecting human health and the environment is our number one priority.

The Multistate Trust will continue to share information as the investigation progresses and after sampling results have been fully evaluated. As additional investigation and remediation plans are developed, we will provide more information and opportunities for public meetings and community involvement.

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