

MAY 2021

About the Sporlan Valve Plant #1 Superfund Site

The property where the former Sporlan Valve Plant #1 facility operated is an unoccupied, 4-acre parcel at 611 E. 7th Street near downtown Washington, Missouri. The site includes a groundwater contamination plume that has migrated beyond the boundaries of that property. Based on groundwater monitoring results, the contaminant plume is known to extend to the east toward MacArthur Street and to the south toward 8th Street. The site was first developed as a refrigeration valve manufacturing plant in 1939. Continuous additions were constructed until 1968 when the final addition was added, bringing the total area of the plant to 80,000 square feet. Operations at the refrigeration valve manufacturing plant included plating, degreasing, machining, brazing, assembly, and testing.

Vapor Intrusion (VI) sampling by the Missouri Department of Natural Resources (MoDNR) in 2015 identified concentrations of trichloroethylene (TCE) that exceeded indoor air and sub-slab screening levels. Following MoDNR's receipt of VI sampling results, the site was referred by MoDNR to the U.S. Environmental Protection Agency (EPA) on Aug. 20, 2015, for a removal action. EPA began a removal action to address VI issues. The site was added to the National Priorities List (NPL) in 2019. A Remedial Investigation is underway at the site.

To learn more about the Superfund Process, visit: www.epa.gov/superfund/superfund-cleanup-process. For additional information and documents related to this site, including the Administrative Record, visit: www.epa.gov/superfund/sporlan-valve-plant-1.



Upcoming Work in Your Neighborhood

EPA will be installing groundwater monitoring wells and collecting soil and water samples from Busch Creek to fully characterize the contamination. This work will take place between 6th and 9th Streets and Burnside and Hancock Streets on public rights of way and on the Sporlan Valve property itself. Work will happen on and in the area around the site from May 5 to approximately May 26, and work on the site property itself and Busch Creek will continue through the week of June 7. EPA will work to limit inconveniences to businesses and residents in the area. *A map of the tentative drilling locations in the area around the site is included below.*

What is Trichloroethylene (TCE)?

Trichloroethylene, or TCE (also trichloroethene), is a contaminant of concern (COC) at the site. COCs are chemicals that need to be addressed by a cleanup action because they are a potential threat to human health or the environment. TCE is a volatile organic compound, or VOC. This kind of organic chemical compound evaporates under normal indoor temperatures and pressure. TCE is part of some industrial and commercial processes, including dry cleaning. It is one of the most common contaminants at Superfund sites. The Centers for Disease Control and Prevention's Agency for Toxic Substances and Disease Registry (ATSDR) has a series of online summaries about contaminants, called ToxFAQs. You can find one about trichloroethylene (TCE) at www.atsdr.cdc.gov/toxfaqs.

Previous site actions have been taken to address immediate threats to human health and the environment, including sampling of indoor air at properties close to the site and installing mitigation systems, where needed. The goal for this ongoing work is to characterize the existing contamination to inform the long-term remediation of the site.

Community Technical Assistance Resources

EPA provides additional assistance to communities through a variety of technical assistance resources. These resources include the Technical Assistance Grant (TAG) program, Technical Assistance Services for Communities (TASC) program, and Community Advisory Group (CAG) formation support. For more information on these resources, please visit: www.epa.gov/superfund/superfund-technical-assistance-communities.



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