

Superfund Construction Project – Funding Pending



Walker Machine Products Inc. Superfund Site Collierville, Tennessee

Site Description

The [Walker Machine Products Inc.](#) site in Collierville, Tennessee, includes contamination of subsurface soil and groundwater with volatile organic compounds (VOCs). Nearby properties include commercial and residential properties. The Town of Collierville's Wellfield #1 is located about ½ mile downgradient of the Site. The Site is currently occupied by a vehicle customization business.

The original operator at the Site, Walker Machine Products, manufactured precision fabricated metal products (also referred to as automated machine screw products) from 1965 until about 2002. Walker Machine Products used VOCs including perchloroethene (PCE), trichloroethene (TCE), and 1,1,1-TCA in their operations. During the RI, VOCs were detected in subsurface soil and indoor air at the Site as well as in onsite and offsite groundwater. PCE has been detected consistently since 2014 in one of the supply wells at Wellfield #1 at levels just above the maximum contaminant level (MCL) of 5 ug/l. Water from Wellfield #1 is treated and sampled by the Town of Collierville prior to distribution to ensure safe drinking water levels are met.

Site Status and Cleanup Actions to Date

- 2015: EPA completed an emergency removal in the occupied onsite building to address TCE and PCE vapor intrusion. A subslab depressurization system was installed that protects occupants in the onsite building.
- 2018: EPA signed a Record of Decision to select a sitewide remedy for soil and groundwater contamination. The selected remedy includes thermally enhanced soil vapor extraction, limited air sparging, Biogeochemical Reductive Dehalogenation, and Enhanced in-situ Bioremediation via Passive Barrier Wells. The remedy is intended to be conducted in phases.
- 2019: EPA completed the remedial design for the first phase of the remedy focused on the thermally enhanced soil vapor extraction and limited air sparging.
- The Town of Collierville continues to sample the supply wells at Wellfield #1 and shares the data with EPA and state of Tennessee.

Project Pending Funding, as of the end of Fiscal Year 2020

This work includes the thermally enhanced soil vapor extraction and limited air sparging remedies.

Funding Through Fiscal Year 2020

EPA has provided approximately \$2.2 million for cleanup activities at the site.