

Superfund Construction Project – Funding Pending



Vestal Water Supply Well 1-1 Superfund Site Vestal, New York

Site Description

The [Vestal Water Supply Well 1-1](#) site is in the Town of Vestal, Broome County, New York. The site was divided into two operable units (OU1 and OU2, the western and eastern portions of the site respectively). The groundwater is contaminated with volatile organic compounds (VOCs). The primary contaminants of concern (COCs) at the site are 1,1,1-trichloroethane (TCA), trichloroethene (TCE) and cis-1,2-dichloroethene (DCE). Additional COCs found are 1,2,4-trimethylbenzene (TMB), 1,3,5-TMB and polychlorinated biphenyls (PCBs).

The OU2 source areas include approximately one-acre of land, formerly used as a truck parking area between Stage Road and the abandoned Erie Lackawanna railroad tracks, as well as a large 60,000 square foot one-story building and an adjacent parking lot. Historically, the building was used for the manufacturing of transformers and electronic circuit boards. Those manufacturing operations ceased in May 2002. Currently, the building is used to restore and repair automobiles. These properties are likely to continue to be zoned for commercial/industrial uses.

Site Status and Cleanup Actions to Date

- In July 1990, EPA constructed an air stripper for Vestal Water Supply Well 1-1. However, as a result of operational problems, EPA installed a new production well, *i.e.*, Well 1-1A, including an air stripper. In March 1995, EPA determined that Well 1-1A pump and treat (P&T) system was fully operational and functional as a potable water supply for the Town.
- In 1995, the Town notified EPA that it no longer needed Well 1-1A for public water. EPA continued to operate the well. In 2006, EPA transferred the operation and maintenance of the P&T system and groundwater monitoring to NYSDEC.
- In October 1996, EPA designed and built a soil vapor extraction (SVE) system to remove VOCs from unsaturated soils from one of the source areas. The SVE operations achieved ROD clean-up levels and were shut down in November 2000.
- In June 2001, EPA designed and built an SVE system for another source area. In January 2006, as a result of no longer being effective, the SVE system was shut down permanently.
- From 2006 until 2014, EPA conducted further soil and groundwater sampling throughout the area and determined that there were additional source areas requiring remediation.
- In September 2016, EPA issued a Record of Decision Amendment for OU-2 which selected a thermal treatment soil remedy.
- In September 2019, EPA completed the remedial design of the in situ thermal soil remediation remedy.

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

This work is the implementation of the Vestal Supply Well 1-1 OU2 source area cleanup, which includes excavation and thermal soil treatment of approximately 29,000 cubic yards of contaminated soils, along with the implementation of institutional controls.

Funding Through Fiscal Year 2020

EPA has provided approximately \$14 million for cleanup activities at the site.