

Superfund Construction Project – Funding Pending



McGaffey and Main Groundwater Plume Superfund Site Roswell, New Mexico

Site Description

The 550-acre [McGaffey and Main Groundwater Plume](#) Superfund site in Roswell, New Mexico, consists of a groundwater plume characterized by the presence of tetrachloroethene (PCE) and trichloroethene (TCE), originating from historical releases at former drycleaning facilities. The site is in a mixed-use area with commercial and residential development. The groundwater plume has affected water quality in the Roswell Ground Water Basin alluvial aquifer, which supplies groundwater to wells used for domestic and irrigation purposes.

The New Mexico Environment Department identified the contamination at the site in 1994. EPA added the site to the National Priorities List in 2002.

Site Status and Cleanup Actions to Date

- EPA signed a record of decision in 2008. The selected multi-component remedy employed a phased implementation approach. The remedy included: (1) source area soil, soil vapor, and indoor air remedy components, which consist of a vapor intrusion and mitigation system, soil vapor extraction (SVE) system and vapor phase treatment; (2) source area groundwater (pump, pretreat, and discharge to the Roswell publicly-owned treatment works; and (3) groundwater pump and treatment for the two-mile long groundwater plume extending from the facility.
- EPA completed construction of the first remedy component in 2012 and began operations of the vapor mitigation system and SVE. The system achieved the objectives for indoor air quality in the adjacent businesses and is operated periodically.
- EPA completed the remedial design for the source area groundwater in 2017.
- An optimization study was completed in 2015 to prioritize the remedy's remaining components. The study concluded that addressing the source area groundwater was the highest priority.
- A new Remedial Investigation/Feasibility Study was initiated in 2020 due to the groundwater plume expansion.

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

This work includes installation and operation of a groundwater extraction and treatment system to reduce contaminant concentrations in source area groundwater.

Funding Through Fiscal Year 2020

EPA has provided approximately \$15 million for cleanup activities at the site.