



McGaffey & Main Ground Water Plume

Roswell, N.M.

Site Description

The McGaffey & Main Ground Water Plume Superfund site is located in Roswell, Chaves County, N.M. The 550-acre site lies within a commercial and residential area. Tetrachloroethylene (PCE), a chlorinated volatile organic chemical (VOC) commonly used in the dry cleaning industry was detected in 1994 during a State investigation. Subsequent investigations indicate that one or more of the dry cleaning facilities formerly operating in the vicinity of the 1100 block of South Main Street are the most likely source of an approximately two-mile long PCE-contaminated groundwater plume.

Current Site Status and Cleanup Actions to Date

- In 2012, EPA completed construction of the vapor intrusion mitigation system (VIMS), soil vapor extraction system (SVE), and central treatment facility as part of the remedy. The VIMS and central treatment facility began operation in November 2012 and the SVE system in January 2013.
- Remedial accomplishments year to date:
 - Attainment of indoor air cleanup levels within the first 30 days of VIMS startup.
 - Maintenance of a negative pressure field beneath the slabs of all six VIMS equipped buildings. Operation of the VIMS and SVE systems has significantly reduced the sub-slab concentrations of VOCs and the potential for vapor intrusion into these buildings.
 - Reduction of average PCE concentrations in soil vapor from 2.3 million micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 26,900 $\mu\text{g}/\text{m}^3$ following 6 months of operations.
- EPA has determined that all unacceptable human exposure pathways have been eliminated, and therefore, under current conditions, human exposure is under control site wide.

Unfunded Action

Fiscal Year 2013 work that was not funded involved the implementation of enhanced treatment of a highly concentrated portion of the contaminated groundwater plume.

Current Funding Status

To date, EPA has spent approximately \$5.1 million for construction work at the site.

For more information on this site, please read [the McGaffey & Main Ground Water Plume site information](#) on the Region 6 Superfund web site.