

Air Force Real Property Agency

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Electric Resistive Heat Technology

WHAT IS IT?

Air Force contractors are ready to begin the installation of an Electric Resistive Heat Technology in the parking lot of Building 301 at the former Kelly AFB. ERH is a remediation system used to extract volatile organic compounds, such as PCE, from the soil and groundwater. The system will be installed in the parking lot, within a small fenced-in area.

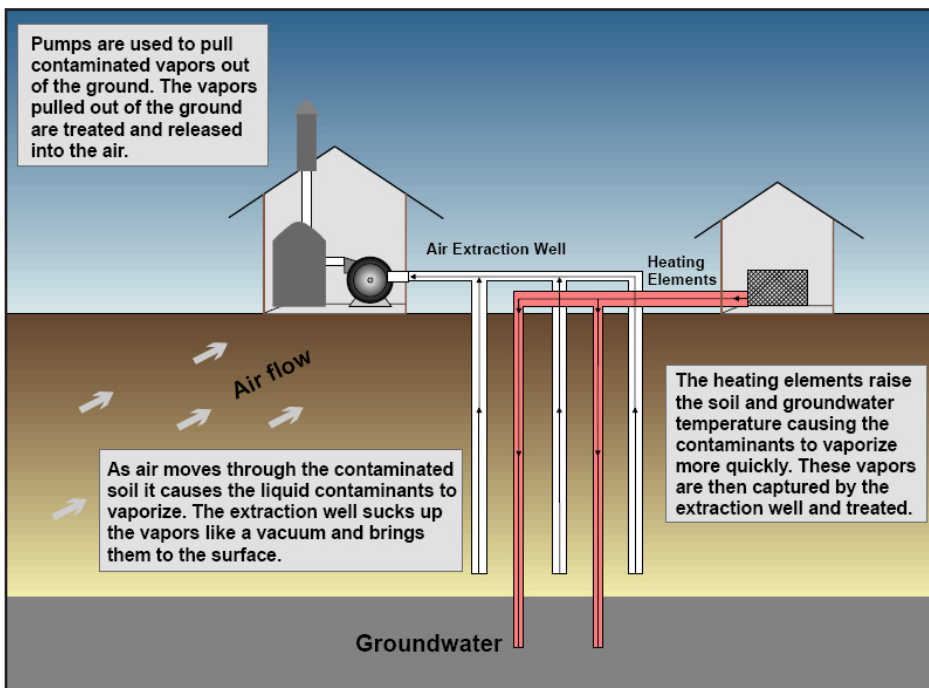
HOW DOES IT WORK?

The contaminated soil and groundwater are heated by electric currents 30 feet below ground surface. As the contaminated soils are heated, it causes the liquid contaminants to vaporize. These vapors are then drawn towards a vacuum. When the vacuum captures the contaminated vapors, they are directed towards the extraction well and treated. The well continues to operate until all of the harmful vapors are treated.

HOW DOES THIS AFFECT ME?

The tenants at Building 301 will be minimally affected by the construction activities. A section of the parking lot will be fenced in and enclosed during construction. Approximately 290 parking spaces will be affected by construction, which is roughly a third of the entire parking lot. However, a recently conducted survey determined only 40 of the 290 parking spaces are being used by the tenants during business hours.

Tenants should keep in mind there is little to no health risk while the PCE is removed from the soil as it is immediately treated by the system. Drilling will begin in mid July. Once the fence is built, the system will begin to operate and will remain in place for two years.



A conceptual model of an electric resistive heat system.



Parking lot of Building 301 where the system will be installed.

ABOUT AFRPA

The Air Force Real Property Agency oversees the environmental cleanup activities at former Air Force bases throughout the United States. Our goal is to complete cleanup actions needed to protect human health and the environment and to transfer property for reuse. AFRPA also plays a key role in property reuse/privatization and serves as the Air Force liaison supporting interim property leases.

For more information, please call our public information line toll-free at 1-866-725-7617 or visit us at www.safie.hq.af.mil/afropa.