

Community Advisory Group Update

700S 1600E PCE Plume Superfund Site

9 JUNE 2022

Veterans Health Administration – SLC VA Medical Center

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Introduction

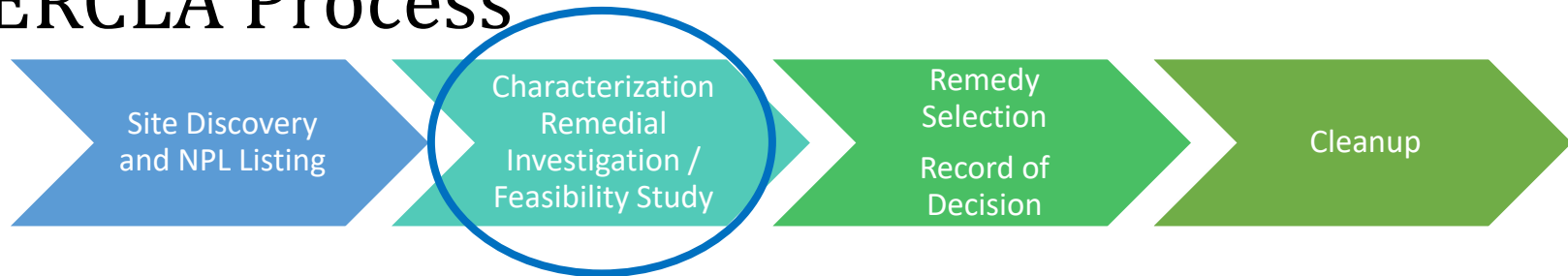
- The SLC VAMC operated a dry-cleaning operation that used tetrachloroethylene (abbreviated as PCE) in the late 1970s and early 1980s.
- During this period, dry-cleaning residuals were likely disposed of into the sanitary sewer system which leaked into the ground.
- PCE-contaminated groundwater is present beneath the VAMC property and in areas downgradient, extending to approximately 1100 East.

PCE

- PCE is a colorless liquid used for dry cleaning fabrics and degreasing metal equipment.
- Long-term exposure (longer than one year) to low levels of PCE can cause damage to the nervous system (neurotoxicity), vision issues, and cancer.

Remedial Investigation Overview

CERCLA Process



Remedial Investigation was conducted from 2014 - 2022 to determine:

- Nature and extent of contamination
- Future fate and transport of contamination
- Potential risk to human health and the environment



Additional Indoor Air Sampling

Initial Feedback on RI

- More indoor air data was requested to further evaluate vapor intrusion risk

Outreach

- Participation in indoor air sampling has decreased over the years
- Had to find new ways to reach out to residents

March 2022 Indoor Air Sampling Event

Outreach Efforts

- Social media posts (Instagram, Facebook, website)
- Mailed +300 postcards
- Approached 85 residences in person (two weekends, multiple efforts)
- Made face-to-face contact with 40 residents

Indoor Air Sampling

- Indoor air samples from the following:
 - 33 residential structures (28 new, 5 previously sampled)
 - The McGillis School and First Baptist Church

March 2022 Indoor Air Sampling Event

Results

- All samples had at least low-level detections of PCE
- Action Level exceedance:
 - 1 residence (TCE)
- All sample result letters mailed early June 2022

Exceedance Follow-on Sampling

- Result suggest chemical product in home
- Removed some products and re-sampled
- Placed two portable air purifiers in the home
- Ongoing sampling



700 SOUTH 1600 EAST PCE PLUME SUPERFUND SITE Summary of Indoor Air Sampling Efforts

The **Indoor Air Sampling Program** has been ongoing since 2014. During that time VA used several methods to get the word out about sampling, including:



Public meetings



Letters



Postcards



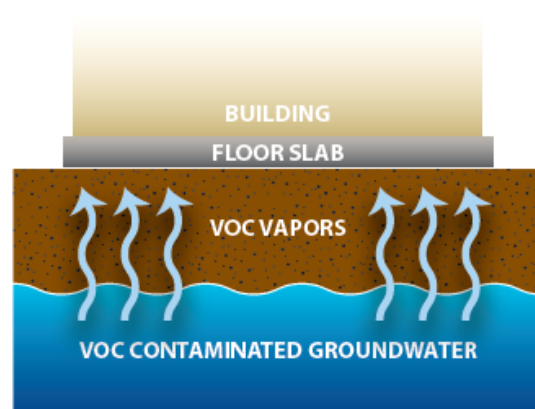
Door-to-door



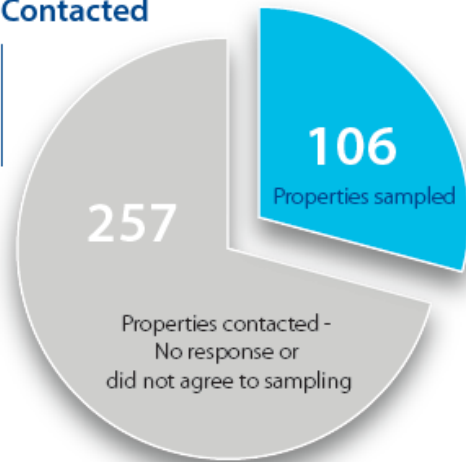
Social media

What is Vapor Intrusion?

Chemical vapors from contaminated groundwater evaporate and enter homes through cracks in basements or floor slabs.



363
Properties
Contacted



6

Corrective Actions for Removal Action Level Exceedances

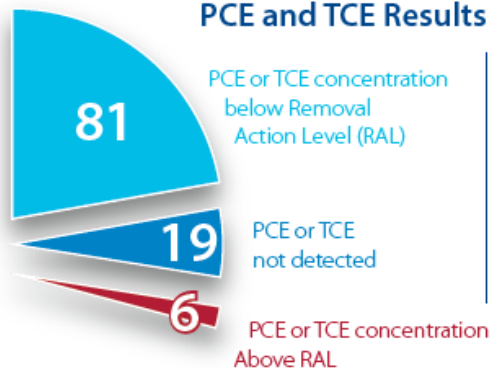
4 Removal Actions

Sealed floor cracks, checked floor drains, remove indoor sources, etc.

2 Ongoing Removal Actions

Air filtration

106
Sampled Property
PCE and TCE Results



GLOSSARY

PCE: Tetrachloroethene; dry cleaning chemical

TCE: Trichloroethene; PCE byproduct and common solvent

Removal Action Level (RAL): The level above which additional confirmation sampling will be conducted and, if deemed necessary, mitigation measures will be taken to reduce indoor air concentrations.



Next Steps

Feasibility Study

- The process of developing, screening, and evaluating remedial action alternatives
 - Focus will be on risks identified in RI
 - May involve additional data collection
- ➔ Proposed Plan, Record of Decision and Construction

Upcoming Fieldwork

- Groundwater sampling June 2022
- Groundwater sampling Fall 2022

Next Meeting and Questions

Next Meeting: December 8, 2022

Agenda items for next meeting?

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