

ENVIRONMENTAL SITE ASSESSMENT PHASE I AND II - TETRACHLOROETHENE CONTAMINATION

R.E.A. completed a Phase I ESA for a commercial property in north-central Vermont, which identified several recognized environmental conditions (RECs) that warranted further investigation. During the subsurface investigation for the Phase II ESA, **R.E.A.** personnel discovered tetrachloroethene (PCE) contamination in groundwater beneath the site and in a sump located in the basement.



Figure 1. Installation of monitoring well during Phase II ESA.

Subsequent investigations identified low concentrations of PCE in the basement indoor air and that the source of contamination was from a dry cleaning facility on the adjacent property. Based on the findings of the Phase II ESA, the VT DEC requested the owner of the dry cleaning facility to develop and implement a corrective action plan to address PCE contamination discovered in groundwater and indoor air.



Figure 2. Basement sump contaminated with PCE

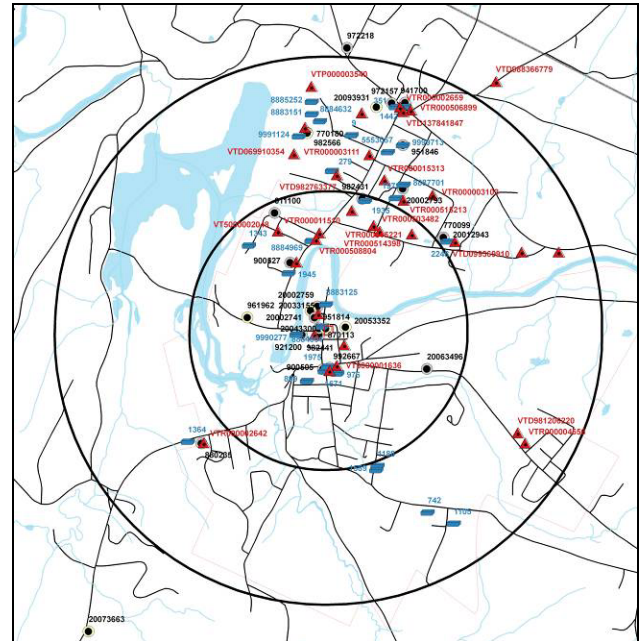


Figure 3. Phase I – Radius map with properties of concern

Key Features

- The Phase I ESA identified the presence of several off-site RECs including a dry cleaning facility, a gasoline service station and historic railroad tracks on adjacent properties.
- The Phase II ESA identified the presence of PCE above Vermont Groundwater Enforcement standards in groundwater beneath the site.
- **R.E.A.** was able to collect sufficient data to determine that the source of contamination was off-site.
- The VT DEC requested the owner of the dry cleaning facility to immediately implement a plan to mitigate impacts to indoor air.



P.O. Box 1533 Stowe, Vermont 05672
phone 802.253.4280 fax 802.253.4258