

# Emerson Power Transmission Facility Trichloroethylene Concerns

**Emerson Power Transmission  
620 South Aurora Avenue  
Ithaca, New York**

In 1987, extensive solvent contamination was identified at this chain factory located near dozens of residential homes. Up to 1,100,000 parts per billion (ppb) of trichloroethylene (TCE) was identified in groundwater migrating North and Northwest of the site. New York's TCE clean-up standard is 5 ppb.

In 1991, the New York Department of Health tested 14 homes near the factory for TCE. Four homes were controls. TCE concerns were identified in 3 of the other 10 homes.

A 1994 agreement required a two-phase soil vapor extraction/groundwater recovery system and a study of TCE in soil vapor. Nearly 10 years later, groundwater pollution still exceeded clean-up standards by 5,6000-fold. Extensive soil gas vapor contamination has since been documented in the vicinity of dozens of homes.

## MW-3-31:

TCE concentration (1,100,000 ppb) 11/2/89  
TCE concentration (28,000 ppb) 11/7/03

105 Wood St

801 S Plain St

- Monitoring Well
- Building Footprint

100 0 100 200 300 Feet



Sources: URS Corp., "July through December 2003 Semi-Annual 2-PHASE Extraction System Progress Report #15"; Radian Corp., "Feasibility Study Report"; NYDOH.

**Underground Fire Reservoir**