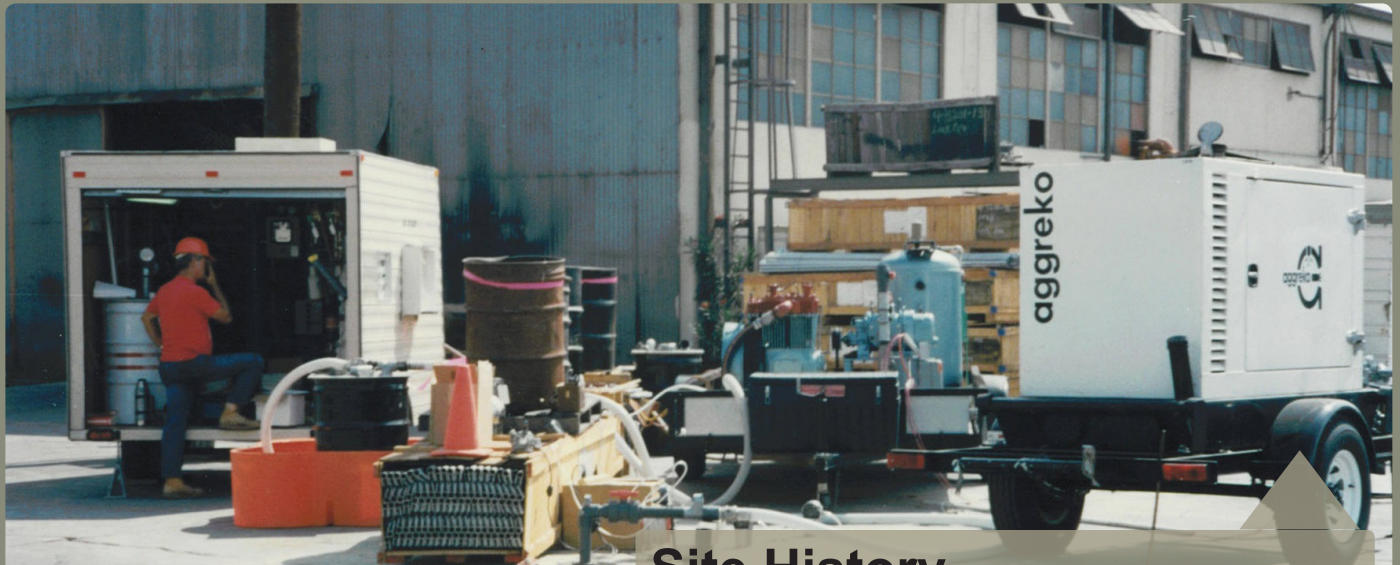


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Case Study:

TCE and Vinyl Chloride Multiple-Phase Extraction and Treatment

Velcon Filters - San Jose, CA



Project Overview

Location: San Jose, CA
Contaminants: Trichloroethylene (TCE), Vinyl Chloride
Duration: 3 Months
VOC Volume Recovered: 11,000 lbs

Site History

Upon the discovery of DNAPL in exploratory borings, multiple extraction wells were installed to remove free product, ground water, and vapors. The primary contaminants of concern were Vinyl Chloride and Trichloroethylene (TCE). Various other solvents were identified and recovered.

Performance Evaluation

The multiple-phase extraction portion of the remediation effort consisted of a high vacuum C3 Technology-equipped MPE system of 200 scfm capacity. Electricity to the system were supplied by a small portable generator.

Extracted off-gas was successfully treated with C3 technology to remove >99.9% of contaminant mass in the vapor phase. Over 11,000 pounds of chlorinated VOC mass was recovered in 90 days of operation.

