

C3 TECHNOLOGY

Cryogenic Compression & Condensation combined with Regenerative Adsorption Technology

G.E.O. Inc. is committed to providing results with high value and excellent service. G.E.O. Inc. specializes in Soil Vapor Extraction with a proprietary cryogenic compression and condensation technology (C3 Technology) for recovery of VOCs from SVE off-gas into a pure phase chemical.

Environmentally Friendly and Sustainable Characteristics

- No incineration of organics on-site
- No CO2 generation
- Low carbon footprint
- No effluent gases to cause concern
- VOCs containerized for off-site recycling, reuse or incineration

Using C3 Technology for off-gas treatment during soil vapor extraction has been shown to result in reduced cost, reduced time of remediation (i.e. no dilution), and provides opportunity for recycling or reuse of recovered solvent or fuel.

**POTENTIAL FOR
RECYCLING OF
RECOVERED
CHEMICAL!**



PERFORMANCE

G.E.O.'s C3 Technology is a cost effective and sustainable solution when highly contaminated soil conditions are present and when Dense Non-Aqueous Phase Liquids (DNAPLs) or Light Non-Aqueous Phase Liquids (LNAPLs) are present.

Being the original equipment manufacturer enables quick and customized design for specific site requirements. G.E.O. systems are designed to meet your most critical applications.

G.E.O. has successfully recovered chlorinated and stoddard solvents, freon and jet fuel from the subsurface soil and groundwater at commercial, industrial and federally owned sites under the oversight of RWQCB, DTSC, EPA, and other local agencies in many states across the U.S.

SYSTEM BENEFITS

- Environmentally friendly
- All electric systems
- Remotely monitored
- System operation and maintenance is included
- Zero influent air dilution equals faster results
- 99.8% VOC removal efficiency (most compounds)
- Guaranteed 90% operation up-time
- Single or Dual Phase
- In-house engineering and manufacturing
- Competitive lease rates
- Pilot testing available
- No off-gas byproduct concerns

COMPATIBLE WITH THE MOST CHALLENGING VOCs

- Methylene Chloride
- Vinyl Chloride
- MEK
- CFCs/Freon
- Stoddard Solvents
- Petroleum/Jet Fuels
- Regenerative Zeolite Rotary Concentration

COMPATIBLE WITH OTHER TECHNOLOGIES

- SVE/DPE/MPE
- Air Sparging
- In-Situ Thermal Heating
- In-well air stripping

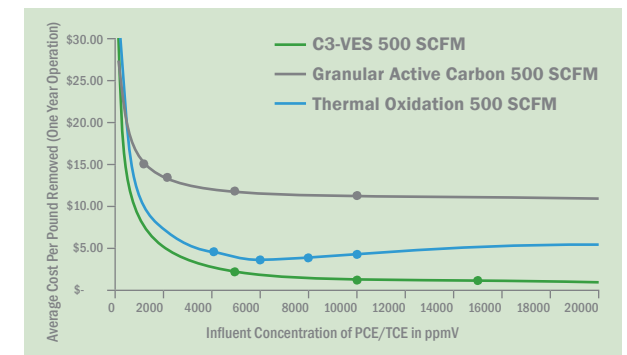
COST COMPETITIVE

Guaranteed Fixed Pricing available

Reduced Remediation Time as a result of zero dilution

Find out if you can sell carbon credits

Lower cost than alternatives (see graph below)



Fully Loaded Cost Per Year vs Influent Concentration
GAC adsorption = 10%