

Peter Strauss

PM Strauss & Associates

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- Over 30 years of consulting experience
- Technical Advisor to community groups throughout the US
- Have developed, in concert with CPEO the Technology Tree
- It's was first developed in 1998, updated in 2002, and is in the process of being updated again this year.

What is the Technology Tree

- The Technology Tree provides a "front end", user friendly tool for learning about the available types of environmental characterization and remediation technologies.
- The Tree provides links to more technical databases.
- The Tree relays information from government agencies, vendors, environmental organizations

Using the Tree

If you DO know

- **the technology you're looking for then search through the alphabetized technology list on the [Tech List Page](#)**

If you DON'T know

- **the technology you're looking for, then you can do a 'search' that fits your criteria, on the [Tech Chart Page](#)**

Selections from Tech List that may be of interest

[Air Sparging](#)

[Air Stripping](#)

[Dual-Phase Extraction](#)

[Dynamic Underground Stripping and Hydrous Pyrolysis Oxidation](#)

[Enhanced Bioremediation](#)

[Gas Chromatography/Mass Spectrometry \(GC/MS\)](#)

[Grout Curtains](#)

[Incineration](#)

[In-situ Air Stripping](#)

[In-situ Chemical Oxidation - Permanganate and Fenton's Reagent](#)

[Liquid Phase GAC](#)

[Permeable Barriers](#)

[Pump and Treat](#)

[Reduction/Oxidation](#)

[Six-phase Soil Heating](#)

[Slurry Walls and Impermeable Barriers](#)

[Soil Vapor Extraction \(SVE\)](#)

[Solidification/Stabilization](#)

Tech Descriptions

- **Description**
- **Limitations and Concerns**
- **Applicability**
- **Technology Development Status**
- **Web Links**
- **Other Resources and Demonstrations**

Tech Chart

(AND) Match all words (OR) Match any words	(AND) Match all words (OR) Match any words	(AND) Match all words (OR) Match any words
Contaminant	Media	Technology
Fuel	Off-gas	Analytical/ACM
Organics/VOC	Ground Water	In-situ treatment
Organics/SVOC	Surface H ₂ O/Sediment	Removal
Pest/Herbicides	Soil	Treatment/Destruct
Metals	Landfill Materials	Containment
Radionuclides	Building Surfaces	
Explosives/UXO		
Not Specific		

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Results

- Gas Chromatography/Mass Spectrometry (GC/MS)
- Passive Diffusion Bag Samplers
- PETREX
- Photo Ionization Detector
- Ribbon NAPL Sampler
- SCAPS

Future Updates

- Make sure that all links are working, as many are out of date
- Add Vapor Intrusion Basic Technologies
- Make sure that technologies and chart are accurate and relevant