

TRS ELECTRICAL RESISTANCE HEATING

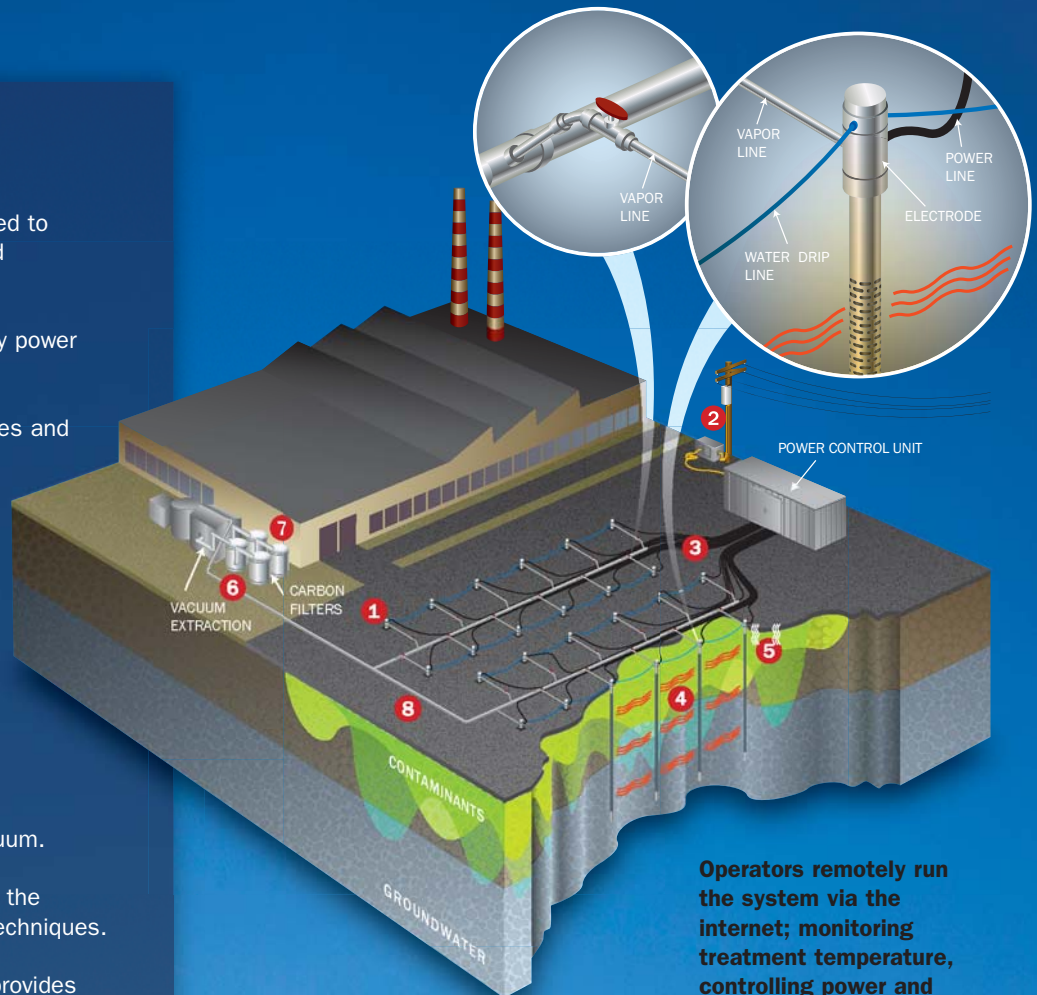
TRS is the leader in the *in situ* thermal remediation marketplace.

Property owners nationwide select the TRS ERH process for quick and reliable results.

- 60 completed projects to date
- 76% of all clients return to TRS for additional projects
- Consistently uses 94% of estimated design energy to reach, or surpass contracted remediation goals
- Established and developing new joint ventures in South America and the European Union
- Developing new partnerships in the heat enhanced oil recovery market

How ERH Works:

- 1 Standard drilling techniques are used to install co-located recovery wells and electrodes.
- 2 Electricity is connected from a utility power source to the power control unit.
- 3 Electricity is applied to the electrodes and current flows between them within the treatment volume.
- 4 Soil is naturally resistant to the flow of electrical current, heating the soil and groundwater.
- 5 Heat causes the underground contaminants and water to evaporate, creating in situ steam and vapor.
- 6 Vapors, steam and NAPL are recovered to the surface under vacuum.
- 7 The multiple phases are treated at the surface using standard treatment techniques.
- 8 Heat-enhanced in situ destruction provides polishing mechanisms long after ERH is complete resulting in no rebound.



Operators remotely run the system via the internet; monitoring treatment temperature, controlling power and energy application into the ground.



TRS
Accelerating Value

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Important TRS ERH Remediation Facts

- ✓ Safe, effective, and proven technology in all lithologies and most contaminants
- ✓ Economical when compared to life cycle costs of alternative technologies
- ✓ Safety record includes no OSHA recordables in 250,000 hours and an EMR of 0.90
- ✓ Provides Guaranteed Fixed Price Remediation (GFPR)
- ✓ Operations conducted beneath buildings, in active facilities, and public right-of-ways
- ✓ Completed 100% of projects to 100% client satisfaction
- ✓ Achieved >99.9999% reductions in soil and MCLs in groundwater
- ✓ Provides certainty that sites are clean once and for all



Cost Competitive for Both Small and Large Sites

ERH cleanup typically requires only six to nine months as opposed to conventional treatment methods which often take many years, making the ERH process a superior alternative when evaluating the complete life cycle of a remediation project.

RAPID and COMPLETE CLEANUP ACCELERATING PROPERTY VALUE

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