

## Gas Thermal Remediation (GTR)

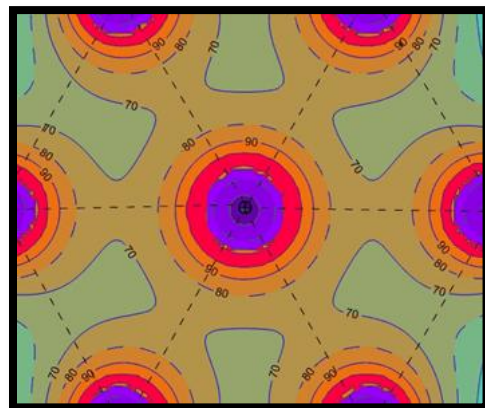
WHEN  
RESULTS MATTER

### Who is ISOTEC?

ISOTEC is a full-service environmental firm dedicated to providing the industry's leading designs, operating techniques and value-added remediation services. Since 1995, ISOTEC has revolutionized soil and groundwater remediation through proprietary in-situ chemical oxidation and reduction technologies that destroy contaminants in soil and groundwater. Today, ISOTEC remains a transformative and leading member of the remediation industry and continues to evolve through knowledge and experience.

### Why Thermal?

- Robust, field-proven & capable of remediating VOCs, SVOCs, PAHs & PCBs
- Scalable to fit any size project – Even urban areas and under buildings
- Flexible fuel sources provided by: Natural Gas, Propane, Diesel, or Ethanol
- No electrical upgrades are required
- Precisely target treatment zones
- Driven by volatilization and steam-stripping
- Individual thermal well control
- Redundant safety features
- Controlled by telemetry



Request an  
Estimate Online!

[www.ISOTEC-inc.com](http://www.ISOTEC-inc.com)



Contact Us!

ISOTEC Remediation Technologies

11 Princess Road, Suite A

Lawrenceville, NJ 08648

[info@insituoxidation.com](mailto:info@insituoxidation.com)

617.964.0945



# REMEDICATION – *with* – INTEGRITY

## Gas Thermal Remediation (GTR)

Remediate sites contaminated with volatile compounds such as chlorinated solvents, BTEX, PAHs, PCBs, pesticides, coal tar and mercury. No site electrical upgrades are needed and conveyancing materials are commonly available, making installations rapid and affordable!

Nominal electrical power required (i.e. blowers, burner controls, etc.) and when not available (remote sites), a mobile generator can be used for a completely off grid system. Large and costly power upgrades are *not required*.

Individual controls allow burners to be removed from operation as localized areas reach their treatment goals. Flexibility translates to energy and cost savings.

## Contaminant Collection & Disposal



C<sup>3</sup> Technology is a combination of compression, cooling, and condensation processes with a proprietary regenerative adsorption technology that efficiently recovers volatile organic compounds (VOCs) from the off-gas vapor stream of soil vapor extraction, dual phase extraction, and GTR thermal systems. The chemical is recovered as a non-aqueous phase liquid (NAPL) that is temporarily containerized in appropriate vessels for recycling or proper disposal. Generally, greater than 99.98% of the VOCs are recovered from the vapor stream. Dependent upon the contaminant and State or local agency, final effluent may be polished with granular activated carbon (GAC).

**Call for a FREE Consultation  
and Estimate**

