

Don't Pay to Process Hot Air

*Let RSI's equipment Pay You with Process Savings,
Energy Cogeneration, and More!*

Technology Proven Worldwide Approved For Hot Work Zones No Open Flame



Historically, it has been the practice in the soil and groundwater remediation industry to specify oxidation equipment based upon maximized process flow rates and applied vacuum - but what are you really paying for?

Process Flow Rates vs. Mass Removal Rates

Most oxidation processes require influent dilution air to meet acceptable LEL process safety limits - sometimes reducing influent concentration down to 20% of LEL values. High process low rates, therefore, do not necessarily equate to high mass removal rates, especially when VOC abatement is required.

Stop paying for processing ambient air! RSI's Internal Combustion Engine (ICE) technology utilizes dilution air only as necessary to maintain stoichiometric combustion. Further, RSI's ICE systems can operate with VOC influent concentrations at or above LEL with minimal to no supplemental fuel usage.

Energy Recovery

Condensing vapor back to liquid
Recycle flare gas into renewable energy
Converting waste energy to usable power

U.S. Patent: 4,846,134; 4,979,886

Canadian Patent: 1,287,805, Patents Pending



In the final analysis, when you compare the capital, installation, utility and O&M costs of thermal and catalytic oxidizers to ICE systems on a "cost per pound destroyed" basis, ICE technology is usually the clear, cost-effective choice.

In fact, according to a study conducted by the United States Air Force

(AFCEE):

"Based upon the cost estimate provided in Section 3.4, ICE technology is similar to that of thermal and catalytic oxidation when influent concentrations range between 3,000 to 5,000 ppmv TVH. Above these concentrations, ICE technology becomes more cost-effective."*

*Excerpt from:

Technology Transfer Division, July 1998
(The complete report is available from RSI upon request.)

Look at the real bottom line! Don't let others sell you hot air! Make your investment dollars count by purchasing mass removal efficiency. RSI systems are self-contained and portable. Trailer mounted units may be towed to your site, connected to a propane or natural gas source, and can be operating within minutes!