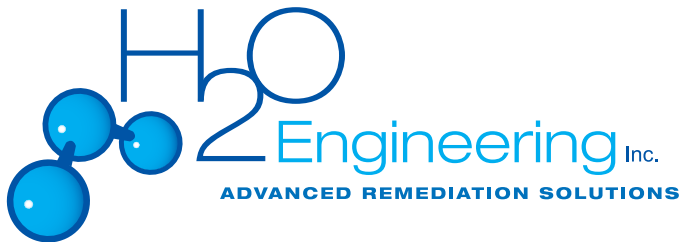


Ex-Situ Oxidation Systems



In addition to our signature ozone sparging equipment, H2O Engineering designs and builds pump and treat oxidation systems for groundwater remediation.

Unlike traditional pump and treat systems, H2O uses ozone to oxidize the contamination prior to carbon absorption. Because it is such a strong oxidizer, ozone handles the high oxidant demand required by the contaminants, reducing carbon bed loading and minimizing total carbon exchanges. Our ex-situ systems are custom designed based on site-specific contaminants and can be configured for single pass or batch treatment process.

Whether your project is a pilot study or full scale, H2O Engineering's team of professionals welcome the opportunity to work with you on finding the solutions.



Skid Mounted System

Standard Features

- Ozone generator output: 1.3 to 20.4 lbs/day, up to 6% concentration by weight
- Up to 250 GPM process flow
- Single pass or recirculation available
- Contact tank with offgas vent and ozone destruct
- PSA oxygen concentrator delivers 90% purity
- Built-in ambient ozone sensor for safety shut down (0.1 to 1.0 PPM)
- Ozone reaction chamber pressure gauge and flow meter
- 120 VAC/60 Hz, Single Phase
- Control panel to interface with auxiliary equipment
- Human Machine Interface (HMI)
- Skid Mounted
- Operation and Maintenance manual included

Available Options

- Auto-dialer ready
- Remote monitoring package
- HVAC (mobile unit only)

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