

# *RCC RemedOzone Mobile Remediation System*

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Resource Control Corporation (RCC) has developed an innovative treatment system designed to fulfill a need in the real-world environmental remediation market: powerful, adaptable and truly mobile remediation systems, targeted to rapidly and efficiently mitigate subsurface contamination.

Not just a dressed-up vac-truck; the RemedOzone system is a complex, engineered, adaptable remediation system. RemedOzone was conceived to be a field adjustable remediation system, capable of rapidly mitigating source zone, hot spot and/or residual contamination of various site contaminants.

## **Powerful**

The RCC RemedOzone system combines a multitude of tried-and-true remedial technologies with state-of-the-art oxidation technologies in order to provide the muscle to treat significant areas of contamination, and destroy recalcitrant contaminant compounds (i.e. MTBE & TBA, phenols, base-neutrals).

RemedOzone is specifically designed to implement a combination of the following remedial and treatment technologies:

- In-situ Ozone Sparge;
- Dissolved Ozone Injection;
- In-situ Air Sparge;
- Soil Vapor Extraction;
- Total Phase Extraction;
- Groundwater Extraction;
- VOC Stripping.

The RemedOzone system is engineered to treat vapor flows up to 300 scfm, and process water flows up to 10 gpm. Equipment can easily be changed out or added to accommodate site-specific needs.

## **Flexible**

The RemedOzone system is designed to use any combination of the above technologies and treatments to affect site cleanup. The system is equipped with independent vacuum extraction ports, independent air sparge ports, individual ozone output ports, and multiple treated process water effluent ports for flexibility of remedial implementation.

The system can be used to enhance an existing remediation system, or can be used entirely as an alternative to an existing ineffective system. RemedOzone can use existing monitoring wells on sites that do not contain existing remedial piping; or, the system can utilize direct-push installed wells for targeting specific areas of a site. The RemedOzone is equipped with flexible tubing and hose for all process streams to allow quick configuration and set-up of the system to address an individual site's particular concerns.

Real-time monitoring of process conditions allows dynamic re-configuration of the system on-site to optimize the system to changing subsurface conditions.

## **Truly Mobile**

Unlike traditional remediation trailer systems that require on-site electricity, significant plumbing connections and permitting concerns, the RemedOzone system is truly mobile. RemedOzone is relatively small and self-powered, with an onboard generator.

RemedOzone can easily be moved from area to area, or from site to site, with little downtime. The system is ideally suited for relatively short deployments of days to weeks, and can be equipped with supplemental fuel tanks for extended run-times without re-fueling.

Additionally, the RemedOzone systems are self-permitted for air discharge, such that site-specific air discharge permits will not be required (New Jersey only). Temporary water discharge permits may also be obtained, to allow for the easy management of treated groundwater.

## **Applications**

Following is but a short list of suitable applications for the RCC RemedOzone system:

- Small source area “Hot-Spot” soil remediation that is not cost-effective or feasible to excavate;
- Mitigation of residual groundwater contamination, to prevent long-term monitoring costs;
- Remediation of sites which would not be economical for the installation of a full-scale fixed remediation compound;
- Small sites where the logistics of placing a remediation system are infeasible;
- Rural, or non-developed sites where power is not available;
- Vacuum enhanced LNAPL recovery;
- Vacuum enhanced groundwater recovery;
- Ozone enhancement of existing systems to treat recalcitrant compounds, or hot-spots.

The flexibility of the RemedOzone system allows it to overcome many of the obstacles that plague permanently installed remediation compounds. The power of the RemedOzone makes it much more effective than “vac-truck” treatments, which do little more than pacify regulators. RemedOzone works so fast, it’s got to be mobile!

## **Advantages**

Cost Effective: comparable to “vac-truck” applications.

High-performance: comparable to permanent remediation compounds with no compromises.

In-situ and process treatment using ozone for rapid oxidation of recalcitrant compounds.

Quick deployment, flexibility of operation, and mobility.

# RemedOzone

***Designed to take control of your contaminated sites.***