

FOR IMMEDIATE RELEASE

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RegenesiS' Oxygen Release Compound (ORC®) Facilitates Cost-Effective Contaminated-Site Closure at 29 Major Petroleum Company Sites in Midwest

SAN CLEMENTE, CALIFORNIA, JULY 15, 2009 — Using the enhanced in-situ bioremediation technology Oxygen Release Compound (ORC®) and targeted contaminant source removal, remediation professionals restored and secured regulatory closure for 29 petroleum-contaminated sites across Indiana at an estimated cost saving of \$75,000-\$900,000 per site. The cleanups used an innovative and increasingly popular site closure strategy designed to achieve rapid, highly cost-effective results through a combination of accelerated in-situ bioremediation, risk-based cleanup goals and (where needed) focused source removal.

ORC® is a non-toxic, easy-to-handle powder that is typically mixed with water to form a milk-like slurry that is injected directly into contaminated soil and groundwater, where it provides a controlled-release supply of oxygen for as long as 12 months. The increased oxygen level stimulates the growth of naturally occurring aerobic microbes that actually digest the hydrocarbons in the subsurface, leaving only water, CO₂ and other harmless end-products. This method of restoring contaminated sites is far less costly and intrusive than conventional methods.



Supplied as a white, food-grade powder, ORC® is usually mixed with water on-site and placed into the subsurface by direct injection.

Before treatment, the 29 sites, located at service stations and bulk storage facilities belonging to a major oil company, had concentrations of up to 26,000+ µg/L (over 26,000 milligrams per liter) of gasoline, diesel fuel, fuel additives and other hydrocarbons in soil and groundwater. Eight sites required only direct-push injection of ORC slurry for successful treatment. At the remaining sites, contaminant source areas were excavated and ORC slurry was applied into the base of the excavation and injected throughout the remainder of the treatment area. About two-thirds of the sites required only one ORC injection to reach site closure.

The remediation projects were completed between 1998 and 2008. The average treatment time was roughly three years and costs ranged from approximately \$25,000 to \$75,000 per site, plus monitoring expenses. Cost analyses indicated that remediating the same sites with conventional cleanup technologies would have cost between \$100,000 and \$1 million per site, depending on contaminant concentration, seepage velocity and treatment area.

San Clemente, CA-based RegenesiS has been advancing the state of the art in the environmental industry since 1994 with proven, award-winning technologies that significantly reduce the cost, time and difficulty of restoring contaminated soil and groundwater. RegenesiS' diversified suite of advanced remediation technologies have been applied successfully at more than 14,000 sites worldwide. For further information about these projects or ORC®, please visit RegenesiS online (www.regenesis.com) or contact Bryan W. Vigue, Vice President of Marketing, at 949-366-8000, x122 or bvigue@regenesiS.com.

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