



Leaders in Accelerated Natural Attenuation

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Groundwater Remediation

Regenesis' Metals Remediation Compound (MRC[®]) Recognized with Wall Street Journal Technology Innovation Award

November 16, 2004 — Regenesis Bioremediation Products' **Metals Remediation Compound (MRC[®])**, a low-cost, innovative technology for the rapid removal of toxic metals and chlorinated solvents from groundwater, was recognized in **The Wall Street Journal's 2004 Technology Innovation Awards** competition. Last spring, MRC also received the prestigious ICU Innovation Award, which is presented annually at International Clean Up, a leading European environmental exhibition and conference. The winners were announced in all editions of The Wall Street Journal for November 15, under the heading, "The Best and the Brightest."

Over 600 applicants world-wide, including such high-profile companies as IBM, Xerox, Sun Microsystems and Toyota, competed for awards in 12 technology categories ranging from "Semiconductors and Electronics" to "Medical," "Security," "Transportation," and Regenesis's category, "Environment." The judging favored innovations that successfully broke with conventional processes and went "beyond marginal improvements in existing products and services." Winners were chosen by an independent, international panel of judges from such organizations as Agilent Laboratories, the Swiss Federal Institute of Technology, Harvard Medical School, and Siemens AG.

Although commercial viability was not a criterion, MRC quickly proved successful in the marketplace following its introduction in 2003 as a highly effective in-situ treatment for removing a wide range of metals from groundwater, while eliminating the need for much more costly and intrusive pump-and-treat systems. MRC is a non-toxic, viscous material which is easily injected into the area of contamination using widely available direct-push equipment. It then reacts with ions of dissolved metals to produce a harmless metal-organosulfur complex that sorbs strongly to soil particles and thus becomes immobilized in the subsurface. Over time, bacterial action can degrade the organic parts of the compound, leaving only benign sulfide solids that are incorporated into the soil matrix.

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Metals treatable with MRC include chromium, arsenic, copper, nickel, cadmium, lead, mercury, and certain radionuclides such as uranium and plutonium. MRC also includes a component that accelerates the natural bioremediation of chlorinated solvents, making it particularly useful at sites contaminated with solvents as well as toxic metals.

Applied at a high-profile Superfund site associated with an industrial plating facility, MRC removed more than 99% of hexavalent chromium from groundwater in slightly over three months, at a fraction of the cost of a pump-and-treat cleanup system that had been in place at the site for ten years. In another typical application, treatment with MRC reduced the concentration of cadmium in groundwater from 17 parts per billion (more than three times the contaminant level) to below detectable level.

About Regenesis

Incorporated in 1994, Regenesis is the world's leading developer and distributor of injectable products designed to facilitate the rapid, low-cost, and efficient cleanup of contaminated-groundwater sites. Regenesis's patented products include Oxygen Release Compound (ORC®.) and ORC Advanced™ for remediation of aerobically degradable hydrocarbons; Hydrogen Release Compound (HRC®.), for treatment of anaerobically degradable compounds; HRC Extended Release Formula (HRC-X®) for long-term treatment of residual source areas and DNAPLs; and Bio-Dechlor Inoculum™ for treatment of dichloroethenes (DCE) and vinyl chloride (VC) at recalcitrant sites. Additional data and a downloadable file of the MRC® product brochure are available at the Regenesis website www.regenesis.com/products/mrc. For further information, contact Marketing Director Bryan Vigue at 949-366-8000, x122 or by email at bvigue@regenesis.com.

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