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Metals Remediation Compound (MRC™) Wins 2004 Innovation Award at European Environmental Conference

SAN CLEMENTE, CA, April 26, 2004 — RegenesiS, a leading developer of accelerated bioremediation technologies, announces that its **Metals Remediation Compound (MRC™)**, a new, dual-purpose injectable compound for the low-cost remediation of both dissolved metals and chlorinated solvents in groundwater, was awarded the **ICU Innovation Award**. This prestigious award is presented annually at International Clean Up (ICU) in Birmingham, England, the United Kingdom's leading contaminated land exhibition and conference. Since its introduction in the U.S. in 2003, MRC has proven to be a highly effective, in-situ treatment that can remove a wide range of metals, fuels, solvents and pesticides from groundwater while eliminating the need for much more costly and intrusive pump-and-treat systems.



“We are delighted by this recognition of the solid science behind MRC as well as its great market potential,” said Dr. Jeremy Birnstingl, RegenesiS Technical Manager for Europe. “It is particularly valuable and gratifying to receive such a commendation from a recognized panel of experts — including scientists, consultants and investors — as we are introducing this very innovative product to the European market.”

MRC is a non-toxic, viscous substance, designed to be injected into the subsurface using widely available direct-push injection equipment. Contact with dissolved metal ions causes MRC to react irreversibly, producing a benign metal-organosulfur complex that sorbs strongly to the soil particles and thus becomes immobilized in the subsurface. Over time, bacterial action can degrade the organic parts of the compound, leaving only harmless sulfide solids that are incorporated into the soil matrix. MRC facilitates treatment of a range of metals, including chromium, arsenic, copper, nickel, cadmium, lead, and mercury as well as radionuclides such as uranium and plutonium.

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The formulation also includes a polylactate polymer that provides a suitable substrate for accelerated reductive dechlorination of chlorinated solvents, enabling it to be effective at sites with co-mingled contaminant plumes containing both solvents and metals. This dual-purpose feature, together with an extremely long active life — a single injection will continue to remove metals for as long as 18-24 months — led *edie*, the London-based Environmental Data Interactive Exchange, to hail it as a “one-shot wonder.”

To date, MRC has been used only in the United States, but results there have been impressive. At a high-profile USEPA Superfund site near an industrial plating facility, application of MRC removed over 99% of hexavalent chromium from groundwater in slightly over three months. The use of MRC facilitated cleanup at a fraction of the cost of a pump-and-treat system that had been in place at the site for ten years. In another project, monitoring at a landfill in Georgia showed cadmium concentrations of 17 parts per billion (ppb) in the groundwater, well above the maximum contaminant level (MCL) of 5 ppb. After treatment with MRC, cadmium concentrations were reduced to below the detection limit, a reduction of at least 70 percent, allowing the facility to stay in compliance and remain operational.

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®) 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. MRC™, for injectable, low-cost, in-situ metals treatment, is one of the company's newest offerings. Interested readers are encouraged to visit the Regenesis website (www.regenesis.com/products/mrc) to download a copy of the MRC™ product brochure, or to contact Marketing Manager Bryan Vigue for further information (949-366-8000, x122; bryan@regenesis.com).

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