

NEWS From



REGENESIS

Leaders in Accelerated Natural Attenuation

RegenesiS ■ 1011 Calle Sombra, San Clemente, CA 92673 ■ 949.366.8000 ■ www.regenesis.com

For immediate release

Press contact: Bryan Vigue (949) 366-8000

New Jersey Proclaims HRC® as Leading Technology for Groundwater and Soil Clean Up: Verified Low Energy Requirement, Low Overall Cost to Compliance

SAN CLEMENTE, CA (March 16, 2001) - RegenesiS Bioremediation Products (RegenesiS) has received word from the State of New Jersey that HRC has been formally certified as being effective in rapidly reducing resistant groundwater and soil pollution and at significantly reducing energy use on cleanup projects. In a letter from New Jersey Department of Environmental Protection's (NJDEP) Commissioner Robert C. Shinn, RegenesiS was praised for passing the New Jersey Corporation for Advanced Technology verification program, a "documentation of the demonstrated effectiveness of HRC" to cost effectively treat contaminated groundwater and soil. The letter from Commissioner Shinn went on to state "In addition to the demonstrated effectiveness as a site remediation technology, HRC was able to document a significant reduction in energy use over typical current proven technologies".

HRC, a semi-liquid product is placed into the groundwater environment where it releases a continuous low level of hydrogen through a series of chemical reactions. This new source of hydrogen is then used by indigenous microbes to rapidly degrade complex and normally resistant toxins and carcinogens such as dry cleaning solvents perchloroethene (PERC) and trichloroethene, pesticides, explosives, and perchlorate. The low cost use of HRC in rapidly treating contamination is a stark contrast to the conventional technologies in use today such as pump and treat, air sparging, or chemical oxidation.

These characteristics are an integral part of HRC's endorsement by the NJDEP. In the process of determining HRC's capability and viability, the NJDEP prepared an analysis to document the

“direct net environmental benefit” of HRC over typical and current proven technologies. Their analysis of HRC recorded the following information.

Compared to other available technologies operating on a typical groundwater cleanup project the use of HRC was estimated to:

- Save up to 660,000 kilowatt hours (kWhs) of electricity;
- Avoid up to 430 tons of CO₂ emissions as a direct result of reduction in electricity consumption;
- Savings of up to 42.8 million gallons of non-consumptive cooling water over the lifecycle of sparge/vent and pump and treat technologies;
- Avoid discharge from 13,600 to 26,400 gallons of wastewater;
- Eliminate up to 52.8 tons of waste generation.

HRC, first introduced in 1999, has been successfully used on over 150 projects to cost effectively restore groundwater and soil at dry cleaning facilities, Department of Defense bases, and manufacturing facilities worldwide. Incorporated in 1994, Regenesi manufactures and markets innovative products for soil and groundwater contamination clean up in a natural and cost-effective manner. For more information, please visit Regenesi website www.regenesi.com

#####