April 22, 2009

Perma-Fix Receives First Shipments of Radioactive PCBs from the U.S. Department of Energy

ATLANTA, April 22 /PRNewswire-FirstCall/ -- Perma-Fix Environmental Services, Inc. (Nasdaq: PESI) today announced the receipt of 940 gallons of radioactive Polychlorinated Biphenyls (PCB) liquids from the U.S. Department of Energy's (DOE) Paducah Gaseous Diffusion Plant located in Kevil, KY. This waste marks the first shipment to Perma-Fix of radioactive PCBs from the DOE under the Company's new authorization issued by U.S. Environmental Protection Agency (EPA) Region 4. This authorization allows the Company's Diversified Scientific Services, Inc. (DSSI) facility, located in Kingston, Tennessee, to commercially store and dispose of radioactive PCBs through thermal treatment. DOE's prime contractor at Paducah is Paducah Remediation Services, LLC, which is responsible for the management and shipment of these wastes to DSSI.

The company also announced its second shipment from CH2M HILL Plateau Remediation Company (CHPRC), the prime contractor for the DOE at the Hanford Site inWashington State. The CHRPC shipment consisted of 1,500 gallons of radioactive PCB wastes.

Perma-Fix's DSSI facility uses an EPA-authorized waste fuel boiler unit for the thermal destruction of radioactive and mixed (radioactive and hazardous) liquids and semi-solid wastes. In 2004, Perma-Fix DSSI began the permitting process to add TSCA-regulated wastes, namely radioactive PCBs, to its authorization in order to meet the demand for the treatment of government and commercially generated radioactive PCB wastes.

Currently, there are no other authorized, commercial facilities treating radioactive PCB wastes. The DOE operates a TSCA incinerator authorized to treat only DOE generated wastes, which is scheduled to begin closure activities in 2009. The DSSI authorization provides the DOE with an alternative option for disposing of radioactive PCB wastes, and it provides commercial operators an outlet to dispose of commercially generated radioactive PCBs. Additional PCB wastes from DOE and commercial generators are also scheduled for receipt this month.

Dr. Louis F. Centofanti, Chairman and Chief Executive Officer, stated, "Perma-Fix is excited about providing the DOE and commercial radioactive PCB waste generators with the first capacity for the safe destruction of radioactive PCB wastes. We appreciate the support that PRS Paducah and CHPRC have shown us by being the first into our facility for treatment. This capability will be important as the DOE works on footprint reduction, as a requirement of the American Recovery and Reinvestment Act (ARRA) monies that it has been allocated, and which Congress passed in February 2009. For commercial generators, this capacity will allow disposition of radioactive PCB wastes that have been in storage for years awaiting a

disposal pathway."

About Perma-Fix Environmental Services

Perma-Fix Environmental Services, Inc., a national environmental services company, provides unique mixed waste and industrial waste management services. The company's increased focus on nuclear services includes radioactive and mixed waste treatment services for hospitals, research labs and institutions, federal agencies, including DOE, DOD, and nuclear utilities. The company's industrial services treat hazardous and non-hazardous waste for a variety of customers including, Fortune 500 companies, federal, state and local agencies and thousands of other clients. Nationwide, the company operates nine major waste treatment facilities.

This press release contains "forwardlooking statements" which are based largely on the Company's expectations and are subject to various business risks and uncertainties, certain of which are beyond the Company's control. Forwardlooking statements include, but are not limited to: that this process will provide the DOE and commercial radioactive PCB waste generators with a new outlet for the safe destruction of radioactive PCB wastes. These forwardlooking statements are intended to qualify for the safe harbors from liability established by the Private Securities Litigation Reform Act of 1995. While the Company believes the expectations reflected in this news release are reasonable, it can give no assurance such expectations will prove to be correct. There are a variety of factors which could cause future outcomes to differ materially from those described in this release, including, without limitation, future economic conditions; industry conditions; market conditions; Perma-Fix's capital needs; and the additional factors referred to under "Special Note Regarding Forward-Looking Statements" of our 2008 Form 10-K. The Company makes no commitment to disclose any revisions to forwardlooking statements, or any facts, events or circumstances after the date hereof that bear upon forwardlooking statements.

Please visit us on the World Wide Web at http://www.perma-fix.com.

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