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News from the Savannah River National Laboratory

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Savannah River Technology Center Inventions Selected for World's Best Technologies Conference

AIKEN, S.C. – Two technologies developed at the Department of Energy's Savannah River Technology Center (SRTC) have been selected to be exhibited at the World's Best Technologies (WBT) 2004, which is a national event showcasing promising technologies developed at the nation's most advanced research facilities and top universities.

The selected technologies are the MicroBlower and the In Situ Generation of Oxygen Releasing Metal Peroxides for Environmental Remediation. The inventors of the MicroBlower are Joseph Rossabi, W. Keith Hyde, Brian Riha, Dennis Jackson and Frank Sappington of SRTC. The inventors of the In Situ Generation process are Miles Denham and Brian Looney of SRTC.

WBT is a national event produced in cooperation with the Federal Laboratory Consortium for Technology Transfer and the National Association of Seed and Venture Funds, a national organization concerned with building access to capital or entrepreneurs.

The MicroBlower is used to extract or inject gases into the subsurface for characterization or remediation. The MicroBlower makes possible the use of soil vapor extraction in shallower areas than previously considered possible. Perhaps the greatest potential for the MicroBlower is in economically completing the final cleanup of a containment area that had been previously been treated with a larger, more expensive blower system.

In Situ Generation of Oxygen Releasing Metal Peroxides for Environmental Remediation greatest potential is in the remediation of acid mine drainage. The U.S. Bureau of Mines estimates the cost of cleaning up acid mine drainage in the United States to be between \$32 and \$72 billion. The metal peroxides act as oxygen reservoirs in the subsurface and provide a long-term source of oxygen over extended areas without having an extensive amount of equipment on the surface.

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The WSRC Team: Washington Savannah River Company LLC • Bechtel Savannah River, Inc. • BNG America Savannah River Corporation • BWXT Savannah River Company • CH2 Savannah River Company



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Seventy-five technologies have been selected by a seasoned screening panel of investors and commercialization experts on the basis of having the greatest potential for high growth commercial enterprises. The event provides an opportunity for investors to gather information on a variety of technologies with global commercialization potential.

The WBT will be held March 21 - 23, 2004, at the Wyndham Hotel in Arlington, Texas.

The Savannah River Technology Center is the Savannah River Site's applied research and development laboratory, supporting all of the site's program areas, as well as other Department of Energy sites.

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