

The Savannah River Site Environmental Bulletin

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TNX Operable Unit Remedial Action Fact Sheet Available

The United States Department of Energy (DOE), the United States Environmental Protection Agency – Region 4, and South Carolina Department of Health and Environmental Control announce the availability of a Remedial Action Fact Sheet for the TNX Operable Unit (TNXOU). The fact sheet summarizes implementation of the remedial action: the injection of edible oil into the groundwater to promote microbial activity for the destruction of volatile organic compounds in the groundwater.

The TNXOU is situated in the southwestern portion of Savannah River Site, approximately one quarter-mile east of the Savannah River. The TNXOU consists of four waste units: the Old TNX Seepage Basin, New TNX Seepage Basin, TNX Burying Ground, and the TNX Groundwater beneath the three surface units. Past operations within the TNX Area resulted in contamination of the vadose zone (the unsaturated soil above the water table) and groundwater. The facilities within the TNXOU have been decommissioned with a soil cap placed over the area.

Selection of the remedial action— injection of edible oil into the groundwater—is documented in the Second Explanation of Significant Differences (ESD) for the Revision 1 TNX Area Operable Unit Record of Decision issued in 2013. Implementation of the remedial action utilizes the existing TNXOU groundwater well network for the injection of the edible oil. The edible oil will form an active bioremediation reaction zone (by stimulating the growth and activity of naturally occurring microbes) within the plume footprint to degrade the existing groundwater contamination. Previous edible oil injections reduced the contaminant concentration in the groundwater by approximately 90%.

Copies of the Fact Sheet are available in the Administrative Record. The Administrative Record is available in the information repositories listed below:

- DOE Public Reading Room at the Gregg-Graniteville Library at the University of South Carolina (USC)-Aiken campus in Aiken, SC; and
- Thomas Cooper Library Government Documents Department at USC in Columbia, SC.

Hard copies of the TNXOU Fact Sheet are available at the following locations:

- Reese Library Government Information Section at Georgia Regents University in Augusta, GA; and
- Asa H. Gordon Library at Savannah State University in Savannah, GA.

Revised FONSI Available for Biomass Cogeneration and Heating Facilities at SRS

The U.S. Department of Energy (DOE) has issued a revised finding of no significant impact (FONSI) for the environmental assessment (EA) entitled Biomass Cogeneration and Heating Facilities at the Savannah River Site (SRS) (DOE/EA-1605). DOE proposes to design and construct a new Heating Plant to be located to the east of the existing primary Biomass Cogeneration Facility. Modifications and upgrades to the existing facilities will improve the long-term steam security for the Site as well as increase the annual green power fed to the grid generated from the existing steam turbine. An electronic copy of the revised FONSI may be viewed by directing your browser to <http://www.srs.gov/general/pubs/envbul/nepa1.htm>. Requests for copies of the revised FONSI should be sent to:

Stephen A. Danker, NEPA Compliance Officer

U.S. Department of Energy, Savannah River Operations Office, Building 730-1B, Room 3150, Aiken, South Carolina 29808

Fax/telephone: 1-800-881-7292 : e-mail: DOE-SRNEPA@srs.gov

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The SRS Environmental Bulletin

For more information on this or other environmental and compliance activities at SRS, please contact:

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