



Environmental Bulletin

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from the Savannah River Site

NOTICE OF AVAILABILITY - EXPLANATION OF SIGNIFICANT DIFFERENCES ISSUED FOR THE INTERIM ACTION RECORD OF DECISION REMEDIAL ALTERNATIVE SELECTION: PAR POND UNIT LOWER THREE RUNS INTEGRATOR OPERABLE UNIT TAIL PORTION (MIDDLE AND LOWER SUBUNITS)

The Explanation of Significant Differences (ESD) for the Revision 0 Interim Action Record of Decision Remedial Alternative Selection: PAR Pond Unit Lower Three Runs Integrator Operable Unit Tail Portion (Middle and Lower Subunits) is being issued by the U.S. Department of Energy (DOE), the lead agency for the Savannah River Site (SRS), with concurrence by the U.S. Environmental Protection Agency – Region 4 (EPA), and South Carolina Department of Health and Environmental Control (SCDHEC). The purpose of this ESD is to incorporate Land Use Controls (LUCs) along the middle and lower portion of Lower Three Runs (LTR) Creek in the form of signage and fencing into the interim remedial action for PAR Pond (685-G). The *Interim Action Record of Decision Remedial Alternative Selection Par Pond Unit* was issued in January 1995.

The ESD was completed to meet the terms of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), a law governing the investigation and cleanup of waste units. The DOE has worked with the EPA and the SCDHEC to ensure the remedial approach is consistent with all applicable environmental requirements.

PAR Pond (685-G) is a 2,500-acre man-made reservoir that was used during reactor operations. From the PAR Pond Dam, LTR Creek flows approximately 19 miles before it enters the Savannah River. During reactor operations, PAR Pond received effluent discharges from storm water drains, cooling water, and process water contaminated with low levels of radionuclides. PAR Pond contains sediments contaminated with cesium-137 (Cs-137) and is listed in the SRS Federal Facility Agreement as a CERCLA operable unit. The PAR Pond subunit consists of the PAR Pond Reservoir, the series of pre-cooler ponds and canals, and the LTR Creek. The lower and middle sections of the LTR Creek are the focus of this ESD.

Prior to the establishment of the LUCs, a removal action was completed along the tail portion (middle and lower portions) of the LTR Creek. The removal action included soil excavation and confirmatory sampling at three discrete locations, the installation of additional fencing and signs as necessary to control access at selected sections of the DOE property boundary, and the installation of No Trespassing signs along the entire DOE property boundary adjacent to the LTR Creek. The existing fencing, along with the installation of the additional fencing and signs, establish the LUCs along this section of the PAR Pond subunit.

Copies of the ESD 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 ESD are available at the following locations:

- Reese Library at Augusta State University in Augusta, GA; and
- Asa H. Gordon Library at Savannah State University in Savannah, GA.

For additional information, contact Paul Sauerborn at the address listed below:

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