

**SUBJECT:** Office of Independent Oversight's Office of Environment, Safety and Health Evaluations Activity Report for Participation in the Savannah River Operations Office, Office of Safety and Quality Assurance, Technical Support Division Integrated Safety Management System (ISMS), Phase II Verification Review of Savannah River Remediation, July 2010

The U.S. Department of Energy (DOE), Office of Independent Oversight, within the Office of Health, Safety and Security (HSS), participated in the DOE Savannah River Operations Office (DOE-SR), Office of Safety and Quality Assurance (OSQA), Technical Support Division (TSD) Integrated Safety Management System (ISMS), Phase II Verification of Savannah River Remediation (SRR). The HSS participation, through its Site Lead program, provided HSS with an opportunity to maintain operational awareness and evaluate site programs, while supporting DOE line management efforts to safely and securely accomplish their missions. The onsite review was conducted during the period June 24 - July 2, 2010, was led by a DOE-SR Team Leader and Manager, was sponsored by DOE-SR, and was conducted jointly by DOE-SR's Office of Safety and Quality Assurance, Technical Support Division and HSS personnel.

The purpose of the DOE-SR Phase II ISMS Verification was to verify that the SRR ISMS Description that was submitted to and approved by the DOE-SR Manager is being effectively implemented at the Savannah River Site (SRS).

The DOE ISMS Phase II Review Team evaluated the implementation of an ISMS performance against the SRR ISMS Description, including company-level documents identified in the ISMS Description and facility-level process documents. Criteria Review and Approach Documents (CRADs) were used and were derived primarily from DOE-STD-3027-99, *Integrated Safety Management Systems (ISMS) Verification DOE Team Leader's Handbook*, the DOE ISMS Manual, DOE Directives, and other applicable documents. The verification review focused on SRR's implementation of their approved ISMS Description in the following areas:

- The robustness of hazard identification/analysis process at identifying all hazards;
- Operations activities for the Defense Waste Processing Facility, H Tank Farm, and Saltstone;
- Work planning and control activities within the Saltstone Facility;
- Additional non-documented pre-job briefs to ensure they are meeting expectations;
- Adequacy of Work Control Documentation and associated Lessons Learned/feedback mechanisms;
- Collection and utilization of feedback (identified as a weakness by the SRR Verification Team);
- Contractor tracking and trending of results from oversight activities performed on their work planning and control processes; and
- Use of locations and highlighting of controls in work control documents to emphasize specific hazards and controls before the step where the hazard is encountered.

In addition, the DOE-SR Phase II ISMS Verification focused on documentation and implementation of SRR processes, policies, procedures, and manuals at the institutional, facility, and activity level. The evaluation included detailed interviews and discussions with key staff

and management personnel. Further, the team performed sampling of work at various SRR facilities and programs to determine whether the safety management system outlined in the SRR ISMS Description was being effectively carried out. The Phase II Verification focused on the implementation of the processes through which work is planned and managed to ensure that it is conducted safely.

The overall conclusion of the review was that SRR management and staff demonstrated a strong commitment to safety. SRR ISMS is adequate and functioning as intended. The DOE ISMS Verification Team confirmed the effective implementation of the overall SRR ISMS.