

HSS Independent Activity Report - Rev. 0**Report Number:** HIAR-SRS-2014-02-25**Site:** Savannah River Site**Subject:** Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations (HS-45) Activity Report for the SRS Site Lead Operational Awareness Visit**Dates of Activity :** 02/25/2014 - 02/27/2014**Report Preparer:** Phillip D. Aiken**Activity Description/Purpose:**

The purpose of this Office of Health, Safety and Security (HSS) Independent Oversight activity was to:

1. Meet with Savannah River Site (SRS) counterparts to discuss past and proposed future nuclear safety oversight evolutions and corrective actions.
2. Observe the Defense Nuclear Facilities Safety Board (DNFSB) annual visit to SRS and the associated briefings provided to the Board.

Result:

1. Met with managers at Savannah River Remediation (SRR) to discuss two findings from the review of the Salt Waste Processing Facility (SWPF) Review of Construction Quality and Fire Protection Systems. Two findings (assigned to SRR) associated with the SRR owned S-Area Fire Water Supply System were discussed. The path forward for corrective actions were discussed.
2. Met with managers at the Waste Solidification Building (WSB) project office on potential targets for nuclear safety oversight at the facility in the coming year. With significant questions pending regarding future funding for WSB and the Mixed Oxide Fuel Fabrication Facility, the project office is delaying its commitment to a near term oversight review. Two potential targets discussed included a quality assurance review of project closure packages and a review of a yet to be published layup plan for the WSB facility. It was decided to wait for the release of FY2015 funding profiles in the next month to make a decision on further nuclear safety oversight of WSB.
3. Met with the Deputy Manager of the National Nuclear Security Administration (NNSA) Savannah River Field Office (SRFO) to discuss the corrective actions associated with four findings from a November 2013 Report of SRFO Tritium Facilities Radiological Controls Activity-Level Implementation. The Deputy Manager advised it would be approximately 6 more weeks until SRFO would be ready to provide the corrective action plan due to difficulties in reaching agreement with Savannah River Nuclear Solutions, the Site M&O contractor, on acceptable corrective actions.
4. Notes from briefings provided to the DNFSB members and staff included:
 - a. DNFSB was briefed on actions/activities at SRNL, Building 235-F, and HB Line during walkdowns not attended by HSS personnel.
 - b. Board was briefed on site impacts associated with a period of extended freezing, coupled with a failure of site heating steam supply. Damage to numerous fire sprinkler and heating systems across the site were noted. Most affected systems have been repaired but several others are awaiting parts. Lessons learned to be incorporated into site procedures.
 - c. Backlogs for corrective maintenance (CM) and preventative maintenance (PM) have increased over the last year due to furloughs and work force restructuring (25% reduction in maintenance personnel). Numerous site actions being taken to reduce the backlogs of CM and PM. Actions include additional hiring and some overtime is being authorized. Other management efficiencies are being studied/sought.
 - d. Site trying to address a baseline needs assessment item for a needed Aerial Apparatus (Ladder Truck). Their 1990 ladder truck is out of service. Repairing old truck provides no assurance of reliability. New Aerial Apparatus not in budget. Mitigation strategy is in place to borrow such a truck from Aiken, Barnwell, and New Ellenton in the event of an emergency. Procurement is working a set of lease/purchase options for out-years.
 - e. Dispersion modeling was briefed. The Department of Energy (DOE) concurred on the Implementation Plan January 9, 2014. Dose calculations in progress and are to be complete in March 2014. There are significant impacts to both site boundary (MOI) and to facility collocated worker (CW) doses due to calculated dispersion modeling. Results and DSA revision schedule to be shared with HS-45 DSA/TSR Lead.