

July 25, 2025

TO: Technical Director
FROM: Savannah River Site Resident Inspectors
SUBJECT: Savannah River Site Activity Report for Week Ending July 25, 2025

Tank Farms: Tank Farms personnel discovered and self-reported a hazardous energy control (HEC) issue involving lockout/tagout (LOTO) planning for a recent 16H evaporator tube bundle testing evolution. The testing activity required a LOTO to isolate the 160-psi plant air system, among other systems, from the affected evaporator assembly. In planning a potential follow-up evolution, personnel recognized that one valve necessary to isolate plant air had not been locked and tagged during the initial testing activity. Subsequent investigation identified issues with as-built system drawings that contributed to the LOTO error. Tank Farms completed a campaign to upgrade portions of H-Tank Farm utilities in December 2024, which significantly modified the configuration of the plant air system. While facility drawings were revised as part of the upgrade project, some system diagrams do not clearly reflect current configurations. In response to this event, facility management identified a series of corrective actions, including the addition of independent verifications for LOTOs involving recently upgraded utilities, and conducting extent-of-condition reviews to identify and rectify weaknesses in modified utility system drawings.

K-Area: During roof repairs in K-Area, a subcontractor used a personnel lift without an approved plan for operating mobile equipment near overhead electrical lines. Facility management noticed the proximity of the subcontractor to an overhead electrical line and called a timeout. Personnel in the issue investigation noted that the need for a safety plan for working near overhead electrical lines was discussed at the initial walkdown in March 2025, but determined not to be necessary based on the specific equipment included in the work package. Personnel at the issue investigation also identified weaknesses in the work planning and control process, and the site training on hazardous energy for subcontractors and their respective site management oversight.

The site continues to experience HEC issues even after SRNS and SRMC had conducted HEC refocus briefings earlier in the year (see 5/30/2025, 6/6/2025, 6/13/2025 reports). SRNS had performed a causal analysis in November 2024 due to the negative performance trend in electrical safety issues between 2022 and 2024. The corrective action plan includes an action to establish proficiency standards for oversight and management of task-specific plans for subcontractors, and to address the work planning deficiencies that were identified in the causal analysis report, which could prove effective.

Savannah River National Laboratory (SRNL): Last month, SRNL discovered additional legacy material in the B-cell block of the shielded cells (see 7/4/2025 report). SRNL personnel had assumed that the B-cell block was de-inventoried in 2023 to support Mk-18A installation activities, which is required when that process area was placed in maintenance mode. Personnel are sampling and assaying the newly discovered items, and preliminary results showed one of the items to be approximately 2.5 PEC of accountable material, exceeding de minimis quantities. SRNL declared a Technical Safety Requirement (TSR) violation for having accountable material in that process area when it was in maintenance mode.