

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

January 3, 2020

**TO:** Christopher J. Roscetti, Technical Director  
**FROM:** M. T. Sautman, Resident Inspector  
**SUBJECT:** Savannah River Site Activity Report for Week Ending January 3, 2020

**Salt Waste Processing Facility (SWPF):** Parsons and SRR are performing a series of simulated transfers between SWPF and SRR facilities using simulators at both the sending and receiving facilities. The resident inspector observed the simulated transfer from SWPF's Sludge Solids Receipt Tank to the Defense Waste Processing Facility. These joint simulated transfers are useful for improving coordination between the two facilities/companies and familiarizing control room staff with the actions performed and information needed by the other facility. The evolution was also being used by Parsons to validate a procedure revision and the control room staff identified several additional changes that were needed.

**Tank Farms:** A Potential Inadequacy in the Safety Analysis was declared because a siphon potential may exist when auxiliary water addition systems are connected to submerged equipment inside process vessels. Some configurations were analyzed in the safety basis, but others were not. The compensatory measure is to prohibit all water additions to waste tank, evaporator, and transfer facility submerged equipment unless the configuration precludes a siphon or a siphon evaluation is performed.