

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

December 18, 2020

TO: Christopher J. Roscetti, Technical Director
FROM: M. T. Sautman and Z. C. McCabe, Resident Inspectors
SUBJECT: Savannah River Site Activity Report for Week Ending December 18, 2020

Salt Waste Processing Facility (SWPF): Parsons commenced the Process Capacity Performance Test. The purpose of this test is to demonstrate a processing rate of greater than or equal to 7.3 Mgal/yr during two consecutive batches processed through the alpha strike process and caustic-side solvent extraction. The resident inspector observed test activities. A transfer from tank farms was delayed temporarily when a 3-way valve failed after flushing a tank.

Savannah River Tritium Enterprise (SRTE): SRTE personnel are planning on performing open glovebox maintenance on the glovebox stripper system in the Tritium Extraction Facility. The task involves replacing the three system blower motors and rebuilding them, which will involve coordination from several different SRTE groups including maintenance, radiological control, construction, and operations. As typical with open glovebox maintenance at the SRTE, personnel will be performing the work in air-supplied suits, for which air will be supplied by a temporary breathing air compressor. This will include removal of a combined 20 glass panels from two sides of glovebox 3500 and the construction of two huts for radiological control. SRTE personnel convened a Facility Radiological Action Team to discuss the evolution with all relevant working groups. SRTE personnel are incorporating comments from their management review and are revising the impacted work documents.