

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

January 28, 2022

TO: Christopher J. Roscetti, Technical Director
FROM: L. Lin, Z. C. McCabe, E. P. Richardson Resident Inspectors
SUBJECT: Savannah River Site Activity Report for Week Ending January 28, 2022

DNFSB Staff Activity: Mr. McCabe was on leave for the entire week. Ms. Lin was on leave for a portion of the week. Doug Brown, Monique Helfrich, John Abrefah, Megan Randby, Philip Natividad, and Darin Montierth were present at the Savannah River Site to perform a Safety Management Program (SMP) review of the Savannah River Tritium Enterprise.

Savannah River Tritium Enterprise (SRTE): The resident inspector attended an issue investigation on 1/26/2022 focused on a recent event in H-Area New Manufacturing (HANM) where non-safety related Distributed Control System (DCS) indications were lost for approximately 20 minutes. On 1/18/2022, while performing annual cyber security patching and compliance scanning on the non-safety DCS, an incorrect firewall setting was identified. The Tritium Cyber Assurance (TCA) Engineer discussed the anomaly with the System Manager and proceeded to modify the setting based on their collective past knowledge. This modification caused an additional problem when the firewall was changed to “disabled” vice “off”. The team operated under guidance for Windows 2003, but the system was currently running Windows 2012, which resulted in the loss of view of the non-safety related DCS. The HANM Operations team immediately identified the error and entered the appropriate response procedures while the TCA group commenced troubleshooting and restoration. Within 20 minutes the system was restored and no plant impacts were realized. The TCA group later confirmed the error by replicating the system response on the developmental simulator.