

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

November 23, 2022

TO: Christopher J. Roscetti, Technical Director
FROM: Clinton Jones, Resident Inspector
SUBJECT: Oak Ridge Activity Report for the Week Ending November 25, 2022

Building 9995: CNS reported an occurrence due to the loss of power to the criticality accident alarm system (CAAS) and emergency notification system equipment. This was classified as a performance degradation of a safety significant structure, system, or component (SSC) that is required for safety operation of the safety significant SSC, which prevents satisfactory performance of its design function when it is required to be operable. On Sunday, November 20th, the operations center received a loss of power alarm for two CAAS detection stations that provide coverage for Building 9995 and parts of Building 9212. The operations center notified the on-call shift manager for Building 9212 and the operations manager for Building 9995, both of whom responded to the site and inspected the uninterruptible power supply (UPS). The Building 9212 shift manager consulted with the CAAS system engineer, who determined the UPS to be inoperable in the normal mode and requested that the UPS be adjusted to the line mode, bypassing the UPS. Both facilities entered their limiting conditions for operation based on an element of CAAS being inoperable. The required surveillances were performed after the UPS was adjusted to the line mode and the limiting conditions for operation in both buildings were exited. The UPS is not part of the credited power for the CAAS and is currently in bypass with no operability concerns. CNS plans to perform an event investigation to follow up on the cause of the failure.