

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

September 2, 2022

TO: Christopher J. Roscetti, Technical Director
FROM: Frank Harshman, and Clinton Jones, resident inspectors
SUBJECT: Oak Ridge Activity Report for Week Ending September 2, 2022

CNS Reorganization: The CNS Board of Managers recently announced that Rich Tighe will take over the role of president and chief executive officer (CEO) for CNS effective September 6, 2022. Gene Sievers, the current acting president and CEO, will return to his previous role as Y-12 site manager.

Building 9204-2E: CNS completed an electrical outage that wrapped up the replacement of the last of three main power transformers for the building's electrical distribution system. This was part of the nuclear facility electrical modernization project. This primary power transformer powers a number of production and building loads including the horns and lights for the criticality accident alarm system (CAAS). In anticipation of the outage, a temporary modification to relocate the power feed for the horns and lights was completed to shorten the length of time the buildings horns and lights would be inoperable. A planned entry into the limiting condition for operation for partial loss of annunciation was completed for both the installation and removal of the temporary modification. The residents reviewed the shift manager's log book and walked the area down to observe the completed work. During the walkdown, the residents identified a large power cable that was coming through the exterior wall coiled on the floor with exposed conductors. This was reported to the shift manager who confirmed that the cable was not energized and subsequently tagged the cable out of service.

Resident Inspector Field Activity: The resident inspectors walked down 9204-2E, the outside areas of 9212, and 9215. The walkdown of 9204-2E was conducted along with the NPO Facility Representative and focused on housekeeping and combustible loading. The walkdown of the 9212 outside areas included Dock 8A, which was the location of the hydrogen fluoride (HF) cylinder that was the source of concern during the HF release false alarm event (see 8/12/22 report). The resident inspectors questioned the Assistant Operations Manager on the configuration of danger signage in the area of the dock and found the reasoning satisfactory based on the process description and type of hazards in the area. The walkdown of Building 9215 included the electrorefining area which was the location of the recent discovery of a water intrusion into an electrical panel (see 8/26/22 report). In an effort to prevent reoccurrence, a temporary modification was approved by the facility operations management to install a temporary plastic catch over the power panel. Once installed, the project intends to install replacement breakers into the panel and restore power to the equipment.

Building 9212: Revision one of the Justification for Continued Operation (JCO) for the Raschig ring drum (see 5/27/22 report) was approved by CNS and is being submitted to NPO for approval. This drum contains legacy waste of a unique nature and is under nuclear criticality safety administrative control awaiting disposition. If approved by NPO, CNS intends to utilize the JCO to further characterize the drums contents to determine the path forward for its ultimate disposition.