

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

March 5, 2021

TO: Christopher J. Roscetti, Technical Director
FROM: B. Caleca and P. Fox, Hanford Resident Inspectors
SUBJECT: Hanford Activity Report for the Week Ending March 5, 2021

Central Waste Complex: A resident inspector performed a walk down of the Waste Receiving and Storage Area, the Mixed Waste Storage Pad, and an outdoor storage area with the Waste Facilities Manager. The objectives were to check conditions and obtain information for an ongoing technical staff review. The areas were clean, orderly, and clear of combustible vegetation or other materials. Stored waste packages are being maintained in good condition.

Canister Storage Building. The contractor's Plant Review Committee (PRC) met to review their readiness to implement the 2020 safety basis annual update, which included revisions of the documented safety analysis (DSA) and technical safety requirements (TSR), and incorporation of an updated company safety management program. The safety basis modifications upgraded sample piping leak test equipment from defense in depth to safety significant, added a four tank limit for propane to the combustible material control requirements, and upgraded the margin of safety discussion in the DSA. The PRC determined that implementation readiness verification activities were complete and adequately performed, and that the facility was prepared to implement the revised safety basis. They will implement the revisions on March 8, 2021, meeting a DOE directed ninety day implementation requirement.

Waste Treatment Plant (WTP): An external team is performing an assessment of training, and work planning and control. The independent assessment is intended to evaluate whether the two programs have been effectively implemented to support startup of Low Activity Waste Facility.

Central Plateau Risk Management: Contractor personnel held a Hazard Review Board (HRB) meeting to review a work package to mechanically isolate exterior piping at the Reduction-Oxidation facility. This work package had been originally drafted in a similar format to the sampling and survey work package submitted to the HRB last month (see 2/12/2021 report). However, after rejection of the other work package due to issues with the drafted work instructions, this work package was converted to a conventional work instruction with multiple tasks for the different planned activities. The HRB noted that, while personnel involved in the work planning were engaged and knowledgeable, the paperwork was not mature enough and voted to reject the work package.

Building 324: Contractor personnel held a pilot of their specific training for high hazard work in Room 18. The initial class included experienced personnel who had been involved in pilot hole drilling activities (see 3/8/19 report) prior to the pause in radiological operations at the facility (see 11/22/2019 report). Based on feedback from these individuals, the training will be formally approved to allow the resumption of entries to Room 18. Initial activities will clear unnecessary equipment from Room 18 and complete planned changes to the configuration of entry and egress points to reduce the potential for cross-contamination events.