

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

November 25, 2022

TO: Christopher J. Roscetti, Technical Director
FROM: A. Boussouf, Resident Inspector
SUBJECT: Los Alamos Activity Report for the Week Ending November 25, 2022

Plutonium Facility–Safety Basis: Last Thursday, Triad submitted to the NNSA Field Office for review draft portions of the new safety basis under development for the Plutonium Facility. This submittal included the site characteristics and site description as well as their planned methodologies for performing the hazard analysis. The project execution plan for updating the safety basis includes a commitment for Triad to periodically share key documents with the Field Office staff. The purpose of this sharing is to inform the Field Office of the approaches Triad is making with the new safety basis before the Field Office begins their review of the final submission.

Last Wednesday, the NNSA Field Office approved the Preliminary Documented Safety Analysis (DSA) for the Los Alamos Plutonium Pit Production Project 30 Base (LAP4 30B) with no conditions of approval or directed changes.

Weapons Engineering Tritium Facility (WETF): The resident inspector was accompanied by WETF operations management on a walkdown of the facility. The focus of the walkdown was to observe the general condition of passive fire protection features, such as fire walls, fire doors, and fire dampers. The current DSA and Technical Safety Requirements for the facility require that certain interior walls be maintained as 1-hour fire rated walls, separating the tritium processing, handling, and storage areas. Overall, the resident inspector noted that these systems appeared robust, well maintained, and in good working order. Some areas for improvement were identified and discussed with facility personnel, specifically in the labeling and tracking of penetration seals, as well as acceptable ways of filling open holes in fire doors.