

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

April 3, 2026

### **Lawrence Livermore National Laboratory (LLNL) Cognizant Engineer Report for March 2026**

**Staff Activity:** The Board's staff did not conduct any on-site activities at LLNL in March 2026.

**Building 332 (Plutonium Facility) – Safety Basis Revisions:** On December 11, 2025, Lawrence Livermore National Security, LLC (LLNS), submitted the annual update to the Building 332 documented safety analysis and technical safety requirements. On March 10, 2026, the Livermore Field Office (LFO) provided comments and requested that LLNS resubmit the documents with any changes incorporated by April 24, 2026. In the letter, LFO asked LLNS to provide a schedule and path forward for any comments it is unable to resolve by then. For example, one comment regarding analysis of a seismically induced fire scenario may be captured as a condition of approval and deferred until at least the next annual update.

**Building 334 (Hardened Engineering Test Building) – Safety Basis Revisions:** On March 4, 2026, LLNS submitted minor revisions to the recently approved version of the Building 334 technical safety requirements (see LLNL Monthly Report for February 2026). LFO updated its safety evaluation report and approved the changes on March 17, 2026.

**Building 332 (Plutonium Facility) – Room Ventilation System Justification for Continued Operations:** On November 25, 2025, LLNS submitted a request to close out an evaluation of the safety of the situation and justification for continued operations regarding the Building 332 room ventilation system. The issue dates back to a 2023 incident involving loss of differential pressure between the room and the corridor after failure of ACU-08, an air conditioning unit motor (see LLNL Monthly Report for January 2024). On March 25, 2026, LFO provided comments and requested that LLNS submit any revisions to the documented safety analysis and technical safety requirements by May 22, 2026.