

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

November 3, 2017

**TO:** Steven A. Stokes, Technical Director  
**FROM:** Daniel B. Bullen, Ph.D., P.E., Cognizant Engineer  
**SUBJECT:** Lawrence Livermore National Laboratory (LLNL) Report for October 2017

**Defense Nuclear Facilities Safety Board (Board) Staff Activity:** The Board's staff provided zero man-weeks of on-site oversight at LLNL during October 2017.

**Building 239: Transmittal of Page Changes for the Building 239 Technical Safety Requirements (TSR).** On August 22, 2017, the Livermore Field Office (LFO) transmitted approval of the Building 239 Documented Safety Analyses (DSA) and TSR page changes with a condition of approval (COA) requiring LLNL to complete implementation of the safety basis changes to replace the compensatory measures previously approved by LFO within 90 days. On October 18, 2017, LLNL submitted a letter with the required page changes for the Building 239 TSR.

**Building 334:** On October 16, 2017, LFO approved an LLNL request for an extension to submit the Review Comment Record resolutions for the Hardened Engineering Test Building (Building 334), DSA and TSRs 2017 Annual Update to LFO. The new due date for these revised documents is November 17, 2017.

**Start-Up Notification Report:** On October 24, 2017, LLNL submitted the first quarter fiscal year 2018 Lawrence Livermore National Laboratory Startup/Restart Notification report to LFO for approval. This submittal is required by Department of Energy Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities*. This startup notification report included the following facilities/systems.

- Building 331 Tritium Grinder – The projected date for restart is December 2017.
- Building 332 Recovery Glovebox Line – The projected date for startup is July 2018.
- Building 332 Hydrogen Gas System – The projected date for startup is July 2018.

Each of these startup activities will include a contractor readiness assessment. In addition, the Building 332 startup activities may include a Federal readiness assessment.

**Periodic Issues Report:** On October 10, 2017, LFO transmitted LFO's Periodic Issues Report (PIR) to LLNL. This report serves as notification that the issues, which LFO is managing in the Issues Tracking System (ITS), are ready for action. The PIR also summarizes the strengths, deficiencies, and observations noted through LFO's day-to-day oversight activities.

**Conduct of Operations:** On October 30, 2017, LFO approved LLNL's updates to the Conduct of Operations Matrices for the Nuclear Materials Technology Program facilities without condition and concurred with LLNL's responses in the Review Comment Record.