

Lawrence Livermore National Laboratory (LLNL)



An aerial view of Lawrence Livermore National Laboratory.

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Overview

Lawrence Livermore National Laboratory, located in California, was established in 1952 and is a multi-disciplinary R&D center focusing on weapons development and stewardship and homeland security. The laboratory is operated by Lawrence Livermore National Security, LLC for the National Nuclear Security Administration (NNSA). In addition to the main site, there is a remote location called Site 300 on 7,000 acres in rural foothills approximately 15 miles southeast of Livermore. Site 300 was established in 1955 as a non-nuclear explosives test facility to support the laboratory's national security mission.

The EM-managed LLNL Excess Facilities decommissioning and demolition effort commenced in 2018. Congress directed DOE to decommission and demolish the B280 Pool Type Reactor and other excess facilities at LLNL.

Cleanup accomplishments at these sites include:

- **Removed Building 280 ancillary facilities.**
- **Completed the Interagency Agreement with the U.S. Army Corps of Engineers to accomplish the Building 280 (Pool Type Reactor) reactor dismantlement and removal.**
- **Completed the Memorandum of Understanding and Work Authorizations with NNSA's M&O contractor or the lab to decommission and demolish Building 175 (MARS-E Beam Facility).**

- **Constructed 21 groundwater and soil vapor extraction and treatment facilities at Site 300 that are now operational.**

Cleanup Highlights 2020-2030

By the end of 2022, DOE will complete demolition of Building 175 to slab on grade at LLNL. Then, by the end of 2023, DOE will complete removal of the Building 280 reactor at LLNL. In addition to currently ongoing work on the Building 280 reactor and Building 175, additional NNSA facilities (e.g., Buildings 212, 241, 251, 280, 292, 343) at LLNL are ready for decommissioning and demolition as additional funding becomes available. The majority of activities scheduled for FY 2021 and beyond for the 300 site are in support of the development of remedial solutions for groundwater contamination at Building 812, Building 850, and Building 865.

Remaining Cleanup Scope Post-2030

There are no post-2030 plans associated with LLNL.