

Agency Priority Goal Action Plan

Legacy Clean-up of Key High Risk Excess Facilities

Goal Leader:

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Theme(s): National Resources and Environment

Overview

Goal Statement

- Complete the legacy clean-up, deactivation, and decommissioning of key EM facilities and other high risk excess facilities for the Department. To meet this goal, DOE will:
 - Complete D&D of Biology Complex ancillary facilities at the Oak Ridge Y-12 National Security Complex by the end of Q4 FY 2018.
 - Complete D&D of Pool Type Reactor (bldg. 280) ancillary facilities at the Lawrence Livermore National Laboratory by the end of Q1 FY 2019.
 - Complete D&D of the Separations Process Research Unit in New York by the end of Q2 FY 2019.
 - Continue D&D progress at the East Tennessee Technology Park in Oak Ridge by completing D&D of the Central Neutralization facilities, Poplar Creek facilities, Balance of Site facilities, Toxic Substances Control Act Incinerator facilities, and the K-1037 facilities by the end of Q4 FY 2019.

Challenge

- Final disposition of contaminated excess facilities is a critical end state for Departmental efforts to remediate the environmental legacy of decades of nuclear weapons research, development, and production, and government-sponsored nuclear energy research.

Opportunity

- Reduce Departmental life-cycle costs of excess facilities.
- Eliminate or reduce to acceptable levels the risk to workers, the public and the environment.

Goal Structure & Strategies

- The key to successful overall goal achievement rests with diligent federal management and oversight of the various D&D projects, contract vehicles that incentivize a superior level of contractor performance, and a strong relationship between the government and the contractor.
- Accelerate closure through contract models focused on end-state completion
- Strategies to ensure diligent management and oversight include appointment of an experienced government team led by a highly qualified federal project director, creation and use of a solid project management plan, use of a proven set of tools to include an earned value management system (EVMS) to track progress where appropriate and/or required.
- Key external factors include the availability of a highly trained and well led workforce, and strong relationships with key stakeholder organizations and regulatory agencies.

Summary of Progress – Final

- For the Y-12 Biology Complex, demolition of the ancillary facilities was completed in Q3 FY 2018 (ahead of the Q4 milestone).
- At Lawrence Livermore National Laboratory (LLNL), the subcontract to remove Building 280 ancillary facilities T2801, T2802 and T2825 was awarded on November 19, 2018, with a Notice to Proceed issued on December 18, 2018. The ancillary facilities were completely removed by March 1, 2019 with most of the site grading completed by March 5, 2019. The milestone was completed in Q2 FY 2019, behind the scheduled Q1 FY 2019 completion date in the APG statement.
- At the Separations Process Research Unit (SPRU), all facilities and trailers have been removed completing the D&D, behind the scheduled Q2 FY 2019 completion date in the APG statement.
- At the East Tennessee Technology Park (ETTP), all of the fifteen Poplar Creek, Balance of Site, and K-1037 Facilities were demolished by September 2019.

Statement of Goal Achievement and Next Steps

Goal Statement

- Complete the legacy clean-up, deactivation, and decommissioning of key EM facilities and other high risk excess facilities for the Department. To meet this goal, DOE will:
 - Complete D&D of Biology Complex ancillary facilities at the Oak Ridge Y-12 National Security Complex by the end of Q4 FY 2018. **Met**
 - Complete D&D of Pool Type Reactor (bldg. 280) ancillary facilities at the Lawrence Livermore National Laboratory by the end of Q1 FY 2019. **Not Met**
 - Complete D&D of the Separations Process Research Unit in New York by the end of Q2 FY 2019. **Not Met**
 - Continue D&D progress at the East Tennessee Technology Park in Oak Ridge by completing D&D of the Central Neutralization facilities, Poplar Creek facilities, Balance of Site facilities, Toxic Substances Control Act Incinerator facilities, and the K-1037 facilities by the end of Q4 FY 2019. **Met**

APG Status: **Not Achieved**

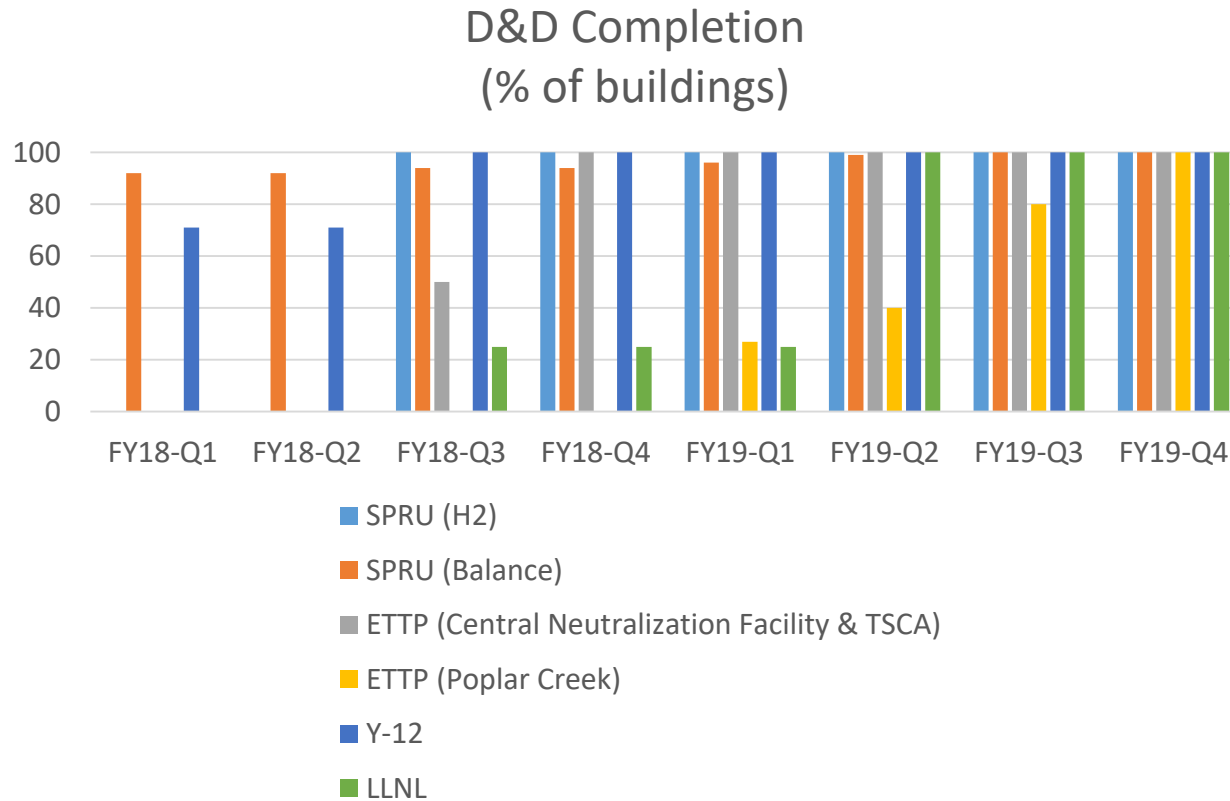
Next Steps:

- Does DOE have an FY 2020-2021 APG in this topic area? **Yes.** DOE has an FY 2020-2021 EM Cleanup APG.

Key Milestones

Milestone Summary			
Key Milestone	Milestone Due Date	Milestone Status	Comments
Complete D&D of the Separations Process Research Unit in New York – Demolish H2 Building	Q4 FY18	Met	Demolition of the H2 Building was completed ahead of schedule
Complete D&D of the Separations Process Research Unit in New York – Complete Remaining Facilities	Q2 FY19	Met in Q3 FY19	Project is complete. All facilities and contractor trailers have been removed.
Continue D&D progress at the East Tennessee Technology Park in Oak Ridge – Complete D&D of 18 Central Neutralization Facilities and 12 Toxic Substances Control Act (TSCA) Incinerator Facilities	Q4 FY18	Met	Completed demolition of the planned Central Neutralization and TSCAI facilities.
Continue D&D Progress at the East Tennessee Technology Park in Oak Ridge – Complete D&D of 15 Poplar Creek, Balance of Site Facilities and K-1037 Facilities	Q4 FY19	Met	Completed demolition of all 15 Poplar Creek, Balance of Site Facilities and K-1037 Facilities.
Complete D&D of Biology Complex Ancillary Facilities at the Oak Ridge Y-12 National Security Complex – Complete Demolition of the 7 Ancillary Facilities	Q4 FY18	Met	Completed demolition of ancillary facilities ahead of schedule
Complete D&D of Ancillary Facilities for the Pool Type Reactor (Bldg. 280) at the Lawrence Livermore National Laboratory	Q1 FY19	Met in Q2 FY19	The subcontract to remove remaining ancillary facilities was awarded on November 19, 2018, later than originally projected. The ancillary facilities were completely removed by March 1, 2019 (Q2 FY19).

Key Indicators



Data Accuracy and Reliability

- Basic data for the D&D efforts come from the Federal Project Director and the associated contractors, and through the various tools used to manage and oversee progress of the projects and the overall program.
- Projects are reviewed on a routine basis to verify status.

Additional Information

Contributing Programs

Organizations:

- State environmental regulatory agencies for CA, NY, TN – key to approval of D&D methods and cleanup standards.
- Energy Facility Contractors Group (EFCOG) – key partner to promote excellence in facility ops (to include D&D) in a safe and cost effective manner through ongoing information exchange and lessons learned.

Program Activities:

- National Nuclear Security Administration – key partner for Y-12 and LLNL D&D efforts.
- Office of Science – key partner for Y-12 efforts at the Biology Complex

Other Federal Activities:

- Environmental Protection Agency -- key partner to establish standards for cleanup