Building 650 Demolition Project

Phase 1

Community Advisory Council
September 10, 2020
Background

• Building 650 was known over the years as the Reclamation Facility and the Decontamination Facility/Hot Laundry.
• Used for cleaning of radioactive contaminated clothing and decontamination of heavy equipment in support of nuclear research operations at BNL.
• Started operations in 1959 and declared excess in 2000. Used for some storage until 2014 when it was permanently shutdown.
• Included among various AOCs in the IAG that were completed by DOE-EM in accordance with Operable Units I and IV, specifically, AOC 6 (Building 650 Reclamation Facility Sump and Sump Outfall) and AOC 12 (Underground Storage Tanks).
• Several additional risk reduction activities have been completed over the years:
  • Shot blast unit hoppers removed (rad/lead contamination)
  • Removed rad-contaminated equipment from high bay including lead smelter, glove boxes, fume hoods
  • Drained and plugged floor drains in high bay
  • Industrial Hygiene surveys demonstrated lead and cadmium throughout the facility
  • Performed routine surveillance and maintenance activities
Project Scope

**Project Cost:**
$5 million (DOE-EM funded)

**Project Scope:**
Characterization, removal of any remaining contaminated systems, fixing identified contamination, building demolition, waste packaging and partial waste disposal, and as-left radiological survey

**Benefits:**
Eliminate deferred maintenance and repair needs, reduce environmental, safety and health risks

**Project Status:**
- Asbestos abatement completed
- Project Plans (Demo, Waste Management and final status survey plans) are completed
- Selective demolition of radiologically-contaminated mechanical systems within the building are underway.
- Building demolition is planned to commence mid-October 2020 with completion by mid-December 2020.