

Building 650 Demolition Project

Phase 1

Community Advisory Council
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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.

