

BROOKHAVEN NATIONAL LABORATORY

“We remain committed to fully achieving Brookhaven’s goals associated with the High Flux Beam Reactor Stack Demolition Project despite early challenges associated with the COVID-19 pandemic and more extensive soils remediation than planned.”

– Paul Lucas, Federal Project Director, Brookhaven National Laboratory

HIGHLIGHTS

- Completed High Flux Beam Reactor (HFBR) stack demolition to grade.
- Remediated surrounding HFBR stack demolition contaminated soils, and concrete surface and subsurface structures.
- Completed independent verification of remaining potentially impacted surrounding soils and concrete post remediation.
- Completed backfill of HFBR stack area, excavated footprint and performed final grading/re-seeding of the disturbed project area.
- Completed equipment and demolition contractor demobilization from the site.

PROGRESSING TOWARD STACK DEMOLITION CLOSEOUT

The 320-foot-tall HFBR exhaust stack once used for multidisciplinary scientific research was demolished to grade without incident in eight weeks and was completed in February.

Although more impacted soils and concrete were encountered, the surrounding impacted soils were remediated, and the area was restored by the end of September.

Closeout activities to include the Final Project Closeout Report submittal to the U.S. Environmental Protection Agency (EPA) are expected to be completed in the first quarter of 2022, satisfying the established regulatory completion milestone.

When decommissioning and demolition is complete, the facility will be transferred back to the DOE Office of Science (DOE-SC) for long-term surveillance and maintenance. Stack demolition and closeout represent the final EM work scope for compliance with the 2009 Record of Decision (ROD).



A patented concrete chimney demolition system called the MANTIS is being lifted by crews to the top of the exhaust stack.