

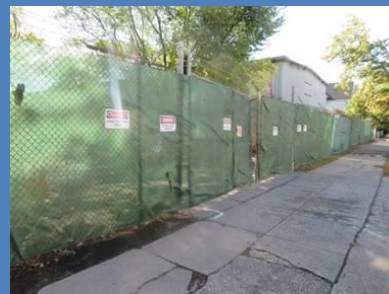
Project Update (October 2019): Meeting 6 pm, Tues October 22 at Lincoln Bassett School Final Cleanup – Former United Nuclear Corporation (UNC) Site 71 Shelton Avenue, New Haven, CT

*Beginning in October 2019 and extending through late 2020, final site cleanup activities will be performed at the former UNC facility on Shelton Avenue. The facility was used by the US Department of Energy (DOE) between the mid-1950s and 1974 for the research and manufacturing of nuclear fuel components for the US Navy. UNC, DOE, the US Nuclear Regulatory Commission (NRC), the CT Department of Energy and Environmental Protection (CTDEEP), the CT Department of Health (CTDPH), and the City of New Haven have worked together to identify, plan, design, and approve the final cleanup activities for the property. The work will include deconstruction of the building (including foundations and utility trenches) and removal of underlying soil to achieve acceptable regulatory requirements. All impacted building and soil materials will be removed from the property. **This work is being done consistent with the commitment that all environmental cleanups of current and former DOE sites are completed to the highest standards for all communities regardless of race, color, national origin, or income status.***

Site Preparation & Asbestos Abatement (October to November 2019)

Several activities will be undertaken to prepare for building deconstruction, including increased site security; utility service disconnections; soil erosion and runoff controls; liquid, oil, light ballast, and loose paint removals from the building; and rodent removal and controls. In addition, intact asbestos-containing materials within the building roof system and window units will be removed before deconstruction consistent with federal and state (CTDPH) requirements and project approvals. Once these activities are completed, building deconstruction activities will commence.

*Cleanup Plan
for this project*



After the site is prepared, the building will be deconstructed. These photos were recently taken at the site.

Building Deconstruction (Intermittent; November 2019 to October 2020)

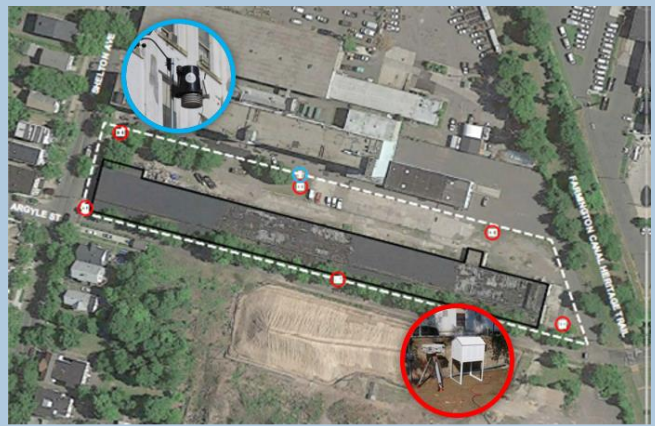
Building deconstruction will be performed by qualified contractors. The building structure will be methodically deconstructed under strict controls to make sure work progresses as designed and to protect workers and the community, with continuous oversight and monitoring of project activities by construction experts and trained radiation specialists. Throughout this activity, work practices and activities will minimize the generation of airborne dust, and several control measures will be implemented to keep dust from leaving the property. Building deconstruction will advance in stages to allow coordination with other aspects of the cleanup (slab, tunnel, and soil removal; and off-site waste shipment) to avoid generating and staging large amounts of debris within the property at any one time. Community air monitoring will be performed continuously during this phase of the project (discussed below).



The building will be methodically deconstructed under strict controls. Representative photos are shown.

Site Safety / Community Air Monitoring (Continuous; October 2019 to October 2020)

Protecting the surrounding community, contractor personnel, on-site project managers, and visitors is of paramount importance. The contractor has developed a comprehensive Health and Safety Plan for the project area (outlined in white) and will implement rigorous site management and waste management plans and control dust emissions during all site activities. During the course of the project, several air monitoring stations (shown in red) and a weather monitor (shown in blue) will be continuously operated around the perimeter of the property to measure air conditions upwind and downwind of project activities and ensure that site activities do not adversely affect air quality outside the project area. Monitoring will be performed for airborne particulates (dust), asbestos fibers, and uranium alpha particles. As monitoring results are received, comparison to established Action Levels will be used determine if acceptable conditions are present or whether additional site controls (such as changes in site practices and dust controls) are warranted.



A comprehensive air monitoring program will be implemented throughout site remediation.

Soil Remediation

(Intermittent; January 2020 to October 2020)

As the building structure, floor slab, and below-grade tunnels are removed, the underlying soils will be accessible for excavation and load-out from the property. Soils beneath the footprint of the building will be excavated to achieve the project cleanup level established by the NRC and CTDEEP. During removal, on-site testing will be performed by UNC's contractor to determine the extent of soil removal; the NRC and CT DEEP will also conduct independent confirmatory measurements to verify the results and ensure that adequate soil cleanup has occurred. Community air monitoring will be performed continuously at the site during this phase (discussed above).



For this project, soils beneath the footprint of the building will be excavated (similar to photos above) and transported off site.

After cleanup is complete, the site will be restored and ready for redevelopment.



Off-Site Shipment of Debris and Soil

(Intermittent; October 2019 to November 2020)

All materials generated during the cleanup will be removed from the property and shipped by railroad to licensed disposal facilities in Utah and Alabama. Within the property, the materials will be loaded into DOT-approved metal containers, called Intermodal Containers (IMCs, see photos below).



Once loaded, the IMCs will be sealed and secured, inspected to ensure that there are no adhered materials on the exterior of the container, and then screened for radiation before departing the property. The IMCs will be transported by truck to a railyard in New Haven where they will be loaded onto rail cars for final shipment. Community air monitoring will be performed continuously at the site during this phase (discussed above).

Final Site Restoration (Complete by November 2020)

Once cleanup activities involving building deconstruction and soil removal are complete to the satisfaction of NRC and CTDEEP, clean fill material will be brought to the site to replace the soils and below-grade building materials that were removed. Fill materials will be placed to result in a level ground surface across the entire property. Once finished, the property will be ready for redevelopment without restrictions.

For More Information

Radiation Cleanup Work or Schedule	Asbestos Cleanup	Health
Diane Screnci, NRC 610-337-5330 Michael Firsick, CTDEEP 860-424-3029, Michael.Firsick@ct.gov	Steve Dahlem, CTDPH 860-509-7365, Stephen.Dahlem@ct.gov	Meg Harvey, CTDPH 860-509-7748, Margaret.Harvey@ct.gov Roslyn Hamilton, New Haven Health Dept. 203-946-6999, rhamilto@newhavenct.gov