



# U.S. Department of Energy

## Categorical Exclusion Determination Form

**Proposed Action Title:** Demolition of Buildings 6025, 7001, 7002, 7019, 7040, and 7751 at the Oak Ridge National Laboratory (3863CXD)

**Program or Field Office:** Office of Science - ORNL

**Location(s) (City/County/State):** Oak Ridge, Tennessee

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**Proposed Action Description:**

The U.S. Department of Energy (DOE) proposes to demolish Buildings 6025, 7001, 7002, 7019, 7040, and 7751 (Sentry Post 22) at the Oak Ridge National Laboratory (ORNL) in order to eliminate operational and maintenance costs for these aging facilities and to allow repurposing of the space for redevelopment.

In recent years, efforts have been underway to revitalize the ORNL Campus by construction of new facilities and demolition and removal of old structures and buildings no longer needed to support the Office of Science (SC) mission. The proposed action would reduce operational costs, enhance facility safety and aesthetics, and make brown field space available for future development. Buildings 7001 and 7002 are aging, steel-frame structures which occupy space required for redevelopment involving a combination of renovated nearby structures and new construction. Work processes and associated staff are being relocated, and the buildings are being vacated. Once the buildings have been emptied, utilities would be disconnected, and the building would be prepared for demolition. Building 7751 was put in standby and utilities were disconnected several years ago, and Buildings 6025, 7019, and 7040 have all recently been identified as surplus to mission needs.

The proposed action would include (1) removing and dispositioning materials and equipment from Buildings 6025, 7001, 7002, 7019, 7040 and 7751; (2) removing and dispositioning all known hazardous materials; (3) disconnecting utility services; (4) demolishing the buildings by conventional methods (i.e., wrecking equipment); and (5) removing debris from the site. In the event that regulated materials are discovered during the course of demolition, or if it proves infeasible to remove all regulated material prior to demolition, the proposed action would include the proper segregation and disposal of any such materials in accordance with existing ORNL procedures prior to disposal of the remaining debris as sanitary/industrial waste.

The Tennessee Department of Environment and Conservation would be provided with advance notification (at least 10 days) of the building demolition, in accordance with Tennessee Rule 1200-03-11-.02: Asbestos.

Appropriate storm water pollution controls would be installed and inspected prior to beginning demolition activities. Water spray would be utilized to control airborne dust emissions, and runoff would be monitored and regulated so as to prevent uncontrolled non-storm water discharges to storm drains and/or waters of the state.

The proposed action would generate a variety of demolition waste which may include but is not limited to (1) asbestos containing materials (ACM) including insulation, floor tile, mastic and transit. ACM wastes would be disposed of under the special waste provisions of the Oak Ridge Reservation (ORR) Centralized Landfill; (2) limited quantities of universal wastes and hazardous wastes may remain in place until demolition, and the wastes would be segregated and recycled or disposed, as appropriate, through existing ORNL waste management systems; (3) any radiological contaminated materials which could not be accessed prior to demolition would be removed and managed in accordance with existing procedures; (4) materials with painted surfaces would be characterized for potential lead and/or PCB content prior to demolition to confirm that resulting waste streams would meet waste acceptance criteria for the receiving facility; and (5) all nonhazardous and nonradioactive waste material would be disposed at an approved sanitary landfill site. ORNL involvement in the disposal of hazardous waste would include characterizing, packaging, and certifying the waste to ensure that it meets the acceptance requirements of the receiving organization. The facility would undergo characterization, and a waste management plan would be developed prior to demolition activities.

This action falls under Stipulation VII. A.3.a. within the Programmatic Agreement among the Department of Energy Oak Ridge Operations Office, The Tennessee State Historic Preservation Office and the Advisory Council on Historic Preservation Concerning the Management of Historical and Cultural Properties at the Oak Ridge National Laboratory.

Buildings 7001 and 7002 are individually eligible for listing in the National Register of Historic Places for their role in the Program H construction efforts subsequent to the ending of World War II. These buildings are located outside of the ORNL Historic District, and have been determined to be of moderate historic significance in the ORNL Historic Preservation Plan (ORNL/TM-2004/62, April 2004).<sup>1</sup> In consultation with the State Historic Preservation Officer (SHPO) regarding the demolition of Buildings 7001 and 7002 on November 7, 2013, the SHPO accepted and concurred on the proposed mitigation to demolish Buildings 7001 and 7002.

The minor historic significance Building 7751, a sentry post constructed in 1947 to serve as a security facility, is eligible for listing in the National Register of Historic Places (Architectural/Historical Assessment of the Oak Ridge National Laboratory [ORNL/M-3244, January 1994]). The SHPO accepted and concurred on the proposed mitigation for demolishing Building 7751 on August 12, 2015. Buildings 6025, 7019 and 7040 are not eligible for listing on the National Register of historic places, and therefore do not require National Historic Preservation Act Section 106 consultation.

<sup>1</sup>National Historic Preservation Act Historic Preservation Plan, Oak Ridge National Laboratory, Oak Ridge, Tennessee, ORNL/TM-2004/62, April 2004.

Categorical Exclusion(s) Applied:

B1.23 - Demolition and disposal of buildings

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of [10 CFR Part 1021](#).

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

The above description accurately describes the proposed action, which reflects the requirements of the CX cited above. Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

Program Point of Contact: Martha J. Kass *EM*  
Martha J. Kass, DOE-OSO  
Director, Operations and Oversight Division

Date Determined: 3/7/2016

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer: James L. Elmore  
James L. Elmore, DOE-ORO  
DOE-ISC NEPA Compliance Officer

Date Determined: 3/8/2016