



U.S. Department of Energy Categorical Exclusion Determination Form

Proposed Action Title: Deactivation and Demolition of Building 7005 at the Oak Ridge National Laboratory (3757CXD)

Program or Field Office: Office of Science - ORNL

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

Proposed Action Description:

The U.S. Department of Energy (DOE) proposes to demolish Building 7005 at Oak Ridge National Laboratory (ORNL) in order to eliminate operational and maintenance costs for this aging facility 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 brownfield space available for future development. Building 7005 is an aging, steel-frame structure which occupies space required for redevelopment involving a combination of renovated nearby structures and new construction. Work processes and associated staff are being relocated, and the building is being vacated. Once the building has been emptied, utilities would be disconnected, and the building would be prepared for demolition. The proposed action would include (1) removing and positioning materials and equipment from Building 7005; (2) removing and positioning all known hazardous materials; (3) disconnecting utility services; (4) demolishing the building 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 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 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 facilities would undergo characterization, and a waste management plan would be developed prior to demolition activities.

This action falls under Section 5.1.1.3.A. of the Cultural Resource Management Plan (DOE/ORO 2085, July 2001). This facility has been surveyed in accordance with Section 106 of the National Historic Preservation Act and found to be a noncontributing structure to the ORNL Historic District, and the facility is not considered eligible for inclusion in the National Register of Historic Places.¹

¹Architectural/Historical Assessment of the Oak Ridge National Laboratory, Oak Ridge Reservation, Anderson and Roane Counties, Tennessee, ORNL/M-3244, January 1994.

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: Signed by William Mark Belvin
Mark Belvin, DOE-OSO
DOE-OSO Program Manager

Date Determined: July 24, 2013

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: Signed by Gary S. Hartman
Gary Hartman, DOE-ORO
DOE-ORO NEPA Compliance Officer

Date Determined: July 25, 2013