



# U.S. Department of Energy Categorical Exclusion Determination Form

Proposed Action Title: Deactivation and Demolition of ORNL Buildings 3546 and 3606 (CX-3703X)

Program or Field Office: Office of Science - ORNL

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

Proposed Action Description:

The Department of Energy proposes to demolish Buildings 3546 and 3606 at Oak Ridge National Laboratory (ORNL), in order to eliminate operational and maintenance costs for these two aging facilities.

In recent years, ORNL has completed actions to revitalize the central campus region by construction of modern research facilities, and the demolition and removal of old structures and buildings that are no longer needed. The proposed action would reduce operational costs, enhance facility safety and aesthetics, and make brown field space available to planning for future development. Buildings 3546 and 3606 are aging modular office buildings which occupy space required for expansion of new and ongoing missions. Building 3546 has been determined to be unfit for use and declared excess, and the occupants have been relocated. Plans to relocate the occupants of Building 3606 are expected to be implemented during FY 2013. Following relocation of the existing occupants to other work facilities, the buildings would be demolished to clear the footprint for potential new construction.

The proposed action would involve (1) removing and dispositioning materials and equipment from Buildings 3546 and 3606; (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 the demolished debris from the site. Demolition activities would require the proper segregation of attached nonradioactive but hazardous materials such as light bulbs, ballasts, mercury switches, and asbestos prior to disposal of the remaining debris as sanitary/industrial waste.

The Tennessee Department of Environment and Conservation will be provided with advance notification (at least 10 days) of the building demolitions, 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 will be utilized to control airborne dust emissions, and runoff monitored so as to prevent uncontrolled non-storm water discharges to storm drains and/or waters of the state.

The proposed action will 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 transite. ACM wastes will be disposed of under the special waste provisions of the ORR Centralized Landfill. (2) Limited quantities of hazardous materials such as light bulbs, PCB light ballasts, oils, refrigerant, mercury switches, etc. Universal wastes and hazardous wastes will be segregated and recycled or disposed of as appropriate through existing ORNL waste management systems; (3) No radiological contaminated materials are anticipated, but if encountered will be removed and managed in accordance with existing procedures. (4) Materials with painted surfaces will be characterized for potential lead and/or PCB content prior to demolition, to confirm that resulting waste streams will meet waste acceptance criteria for the receiving facility. All nonhazardous and nonradioactive waste material will be disposed of at an approved sanitary landfill site. ORNL involvement in the disposal of hazardous waste will include characterizing, packaging, and certifying the waste to assure that it meets the acceptance requirements of the receiving organization. The facilities will undergo characterization and a waste management plan developed prior to demolition activities.

This action falls under Section 5.1.1.3.A. of the Cultural Resources Management Plan (DOE/ORO 2085, July 2001). These facilities have been surveyed in accordance with Section 106 of the National Historic Preservation Act and found to be noncontributing structures to the ORNL Historic Districts, and they are not considered eligible for inclusion in the National Register of Historic Places.

<sup>1</sup> Architectural/Historical Assessment of the Oak Ridge Laboratory, Oak Ridge Reservation, Anderson and Roane Counties, Tennessee, January 1994.

Categorical Exclusion(s) Applied:

B1.23 - Demolition and disposal of buildings

Choose an item.

Choose an item.

Choose an item.

Choose an item.

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.

Signed by W. M. Belvin

**Program Point of Contact:** Mark Belvin, DOE-OSO  
DOE-OSO Program Manager

**Date Determined:** August 28, 2012

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.

Signed by Gary S. Hartman

**NEPA Compliance Officer:** Gary Hartman, DOE-ORO  
DOE-ORO NEPA Compliance Officer

**Date Determined:** August 28, 2012