



U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: Demolition of ORISE Buildings SC-9 and SC-16 (CX-ORISE-2014-01)

Program or Field Office: Office of Science - ORISE

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

Proposed Action Description:

The Department of Energy proposes to demolish Buildings SC-9 and SC-16 at the Oak Ridge Institute for Science and Education (ORISE) in order to construct the planned expansion of the SC-200 warehouse. This expansion will be about 6,000 sq. ft. addition to an existing 21,604 sq. ft. warehouse. The extra room will be used for excess equipment storage which is crowded into a small portion of SC-200. The planned SC-200 expansion is covered under CX-GEN-012 which “includes the construction of small-scale support structures at the site including small-scale additions to existing facilities within or contiguous to developed areas.”

In recent years, ORISE has completed actions to modernize and consolidate operations into facilities at the ORISE South Campus. The proposed action would enhance aesthetics and make brown field space available for the planned small expansion of the SC-200 warehouse. Buildings SC-9 and SC-16 are aging storage buildings which occupy space required for expansion of SC-200. Building SC-9 has been declared excess, and the small amount of chemical waste formerly collected there was relocated recently to the expanded SC-10 building. Building SC-16 is also excess and items formerly stored there have been properly disposed of or relocated. The buildings have been radiologically surveyed and have been free released for demolition.

The proposed action would include: disconnecting utility services; demolishing the buildings by conventional methods (i.e., wrecking equipment); and removing the demolished debris from the site. Demolition activities would require the proper segregation of any hazardous materials such as light bulb and light fixture ballasts prior to disposal of the remaining debris as sanitary/industrial waste. No asbestos is present.

Appropriate storm water pollution controls would be installed and inspected prior to beginning demolition activities. In addition, if demolition occurs during bat roosting season (March 31 through October 15), surveys would be performed for evidence of bat roosting activities.

The proposed action will generate a variety of demolition waste which may include but is not limited to: (1) Limited quantities of hazardous materials such as light bulbs, potentially PCB-containing light fixture ballasts, etc. Universal wastes and hazardous wastes will be segregated and recycled or disposed of as appropriate through existing ORISE waste management systems; (2) No radiological contaminated materials are anticipated, but if encountered will be removed and managed in accordance with existing procedures. (3) 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 would be disposed of at an approved sanitary landfill site. ORISE involvement in the disposal of hazardous waste would include characterizing, packaging, and certifying the waste to assure that it meets the acceptance requirements of the receiving organization.

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 they are not considered eligible for inclusion in the National Register of Historic Places.

Categorical Exclusion(s) Applied:

B1.15 – Support buildings

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 **Date Determined:** 10/9/2013
DOE-OSO Program Manager

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 **Date Determined:** 10/10/2013
DOE-ORO NEPA Compliance Officer