

**U.S. Department of Energy  
Naval Reactors Laboratory Field Office**

**Knolls Laboratory**

National Environmental Policy Act (NEPA) Categorical Exclusion (CX)  
Determination Summary Form

**BUILDING E4 LOADING DOCK REPLACEMENT PROJECT**

**REFERENCE**

10 CFR Part 1021, Department of Energy National Environmental Policy Act Implementing Procedures, Subpart D, Typical Classes of Actions

**PROJECT SCOPE DISCUSSION**

The scope of the Building E4 Loading Dock Replacement Project will remove and replace the current loading dock along the east side of Buildings E2/E4. The Building E4 Loading Dock is located at the Knolls Atomic Power Laboratory – Knolls Laboratory (Site) in Niskayuna, New York. Building E4 and the Loading Dock were commissioned circa 1955 and the dock had been in use until recent years when it began showing signs of degradation. The concrete piers which support it are spalling and the rebar is exposed and corroding.

This project will involve the dismantlement of the Building E4 Loading Dock including its roof, crane and crane rail, stairs at the north end, concrete piers and footings beneath and several exterior mounted utilities, concrete structures, and appurtenances. This project will also remove double steel doors, a steel roll-up door behind these doors, and a pedestrian door. The project scope includes sample collection for radiological characterization, limited soil sampling near storm drain lines for radiological constituents, potential removal and replacement of abandoned in-ground storm drain lines, asphalt paving, and excavations for piers and footings placement. The proposed replacement for the Building E4 Loading Dock is expected to be situated approximately 22' southward from the current dock. The dock and roof framing will be structurally independent of the RML structure. The dock will have a mechanical dock leveler. The roof system over the dock will be metal and will have an upgraded fire detection and a dry pipe fire sprinkler system beneath. A new roll-up door and pedestrian door will be installed.

The project does not violate applicable regulatory requirements, require construction or major expansion of waste handling facilities, result in unpermitted releases of hazardous substances, or adversely effect environmentally sensitive resources, including wetlands. The project does not involve genetically engineered organisms or species. There are no extraordinary circumstances related to the proposed action. The project has not been segmented to meet the definition of a categorical exclusion and is not connected to other actions with potentially significant and/or cumulative impacts.

**CONCLUSION**

The Building E4 Loading Dock Replacement Project is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, CX B1.15, B1.16, B1.23, B1.34, and B2.2. Specifically, the categorical exclusions that apply are as follows:



### B1.15 *Support buildings*

Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities, such as activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.4, B6.5, B6.6, and B6.10 of this appendix.

### B1.16 *Asbestos removal*

Removal of asbestos-containing materials from buildings in accordance with applicable requirements (such as 40 CFR part 61, "National Emission Standards for Hazardous Air Pollutants"; 40 CFR part 763, "Asbestos"; 29 CFR part 1910, subpart I, "Personal Protective Equipment"; and 29 CFR part 1926, "Safety and Health Regulations for Construction"; and appropriate state and local requirements, including certification of removal contractors and technicians).

### B1.23 *Demolition and disposal of buildings*


Demolition and subsequent disposal of buildings, equipment, and support structures (including, but not limited to, smoke stacks and parking lot surfaces), provided that there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment.

### B1.34 *Lead-based paint containment, removal, and disposal*

Containment, removal, and disposal of lead-based paint in accordance with applicable requirements (such as provisions relating to the certification of removal contractors and technicians at 40 CFR part 745, "Lead-Based Paint Poisoning Prevention In Certain Residential Structures").

### B2.2 *Building and equipment instrumentation*

Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment)

NRLFO Approval:   
D. A. Delwiche

Date: 1 June 2017  
CX Determination Date