

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Install Energy Innovation Laboratory (EIL) (Idaho Falls [IF]-688) Entry Vestibule, Dock Area Staircase, and Door Canopies

SECTION B. Project Description and Purpose:

This revision of environmental checklist INL-16-031 is to capture additional project scope. Work would include adding canopies to doors on the south side of C-wing and the north and south sides of B-wing. These canopies would be located over the doors to shelter personnel from the weather and to reduce snow and ice accumulation on the sidewalks. Project activities include installation of heating cables and associated electrical instrumentation to prevent water freezing in gutters and downspouts. Canopies would be attached to the exterior of IF-688 and would be composed of aluminum framing, metal roof decking, and various stainless steel components.

Original project description is as follows:

Currently, there is only one west side entrance to building IF-688, and it is located in the A-wing of the facility. With the large west side parking lot, it is desirable to install an additional west side vestibule entry in the passageway between the A-wing and B-wing of the facility. Installation of an outside metal staircase in the dock area would also allow access to and from the west side parking lot through the west basement entrance of the B-wing. The proposed action would install a 7' X 9' X 10' high aluminum-framed and glass vestibule entryway on the west side of the passageway between the A-wing and B-wing and install a 12' outside metal staircase with two landings and hand rails in the dock area.

In addition, the double doors in the B-wing to A-wing and C-wing corridors do not close during a fire event. The proposed action would perform electrical modifications to force these doors closed during a fire event. The modifications would be performed on two double doors on the first floor, one set of double doors on the second floor, and one set of double doors on the third floor. Project activities also include installation of two new fire alarm horn and strobe system sensors in the facility basement. The fire riser flow switch would be rewired to have its own dedicated circuit.

The project is expected to be completed in the April 2016 timeframe at an estimated cost of \$66,000.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project activities have the potential to generate small amounts of fugitive dust and emissions from welding and other construction activities.

Disturbing Cultural or Biological Resources

Although unlikely, cultural resources could possibly be present in underlying soil during cutting/removal of a section of concrete slab in order to install a new foundation for the vestibule. Also, it is possible for nesting birds to be present in the vicinity of the project. Any cultural or biological resources encountered would result in cessation of work in the area and proper notifications made.

Generating and Managing Waste

Industrial waste (non-hazardous, non-radioactive) and construction debris (e.g., scrap metal, rebar, concrete pieces) would be generated by the project. All waste material would be managed by Waste Generator Services (WGS).

Releasing Contaminants

Although not expected, small spills (e.g., paint) may occur. Releases would be cleaned up, and notifications to the Facility Manager, Spill Notification Team, and Environmental Support would be made.

Using, Reusing, and Conserving Natural Resources

Efforts to reuse, recycle, and divert waste from the landfill (e.g., recycle scrap metal) would be made to the extent practical.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Register (CFR) 1021, Appendix B, give the appropriate justification and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted

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releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References: 10 CFR 1021, Appendix B, CX B2.1 "Workplace enhancements" and B2.2 "Building and equipment instrumentation"

Justification: Activities are consistent with 10 CFR 1021, Appendix B, CX B2.1 "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability..."and B2.2 "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)."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 5/19/2016