

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Idaho Falls (IF)-682 (University Boulevard [UB]3) Mezzanine Expansion

SECTION B. Project Description and Purpose:

The proposed action would install a new mezzanine to meet the need for additional security space for research, testing, and evaluation of specialized cyber and control systems, located at building IF-682 (UB3) in Idaho Falls.

The scope of work includes modification of the west end of IF-682 (UB3), including installation of structural steel, metal stairway, steel decking, and light-weight concrete to construct the mezzanine. Penetrations for utility chases would pass through the mezzanine and roof at various locations. The track system for the overhead doors would be modified from a hi-lift system to a conventional track system after mezzanine installation. Modifications to fire pipe, electrical systems, heating, ventilating, and air conditioning (HVAC) systems, communications systems, and security systems would also be required. In addition, a new electrical/data room, unisex restroom, and various laboratories/rooms would be installed within the secured area.

The work would be phased and begin with the relocation of the current occupant to another facility. The Emergency Response and Readiness occupant would relocate to a facility east of building IF-675. The new facility is approximately 6,000 square feet. Equipment and tools, consisting of lathes, milling machines, benders, brakes, welders, shears, drill presses, hand tools, benches, and electronic equipment, would be moved to the new location. In addition, large response military vehicles would also be relocated to the new facility for modification and storage. The new facility would be modified into several areas consisting of the following:

1. Fabrication and assembly area
2. Shop area for machine tools, mills, lathe, shear, brake, etc., area
3. Vehicle bay for military vehicles
4. Vehicle assembly area
5. Material storage area
6. Office and restroom area

Next, the rework of utility systems located within the west side of the IF-682 would occur. The third phase would install the mezzanine and reconfigure the overhead door track system. The final phase would include reworking of some utilities and installation of secured space and associated components.

All work is expected to be complete by the end of Fiscal Year (FY)2017.

The cost of this work is estimated between a range of \$2.4 million - \$2.8 million.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Emissions from interior construction activities are expected to be minimal. No asbestos work is anticipated. Emissions/fumes from common construction adhesives are anticipated. Fugitive dust is not expected, but is possible. If portable emission sources are used, equipment must meet opacity requirements.

Generating and Managing Waste

Industrial waste, in the form of common construction debris, is expected. All Solid Waste would be managed by Waste Generator Services (WGS).

Sewage would be discharged to the City of Idaho Falls Sewer System.

Releasing Contaminants

Typical construction chemicals such as lubricants, paints, adhesives, etc., will be used during the project.

Using, Reusing, and Conserving Natural Resources

All applicable waste would be diverted from disposal in the landfill when possible.

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (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 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: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment."

Justification: The proposed activities are consistent with CX B1.31 "Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts."

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: 4/19/2016