

**DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory**

SECTION A. Project Title: IF-617 Fire Protection Riser Upgrade and Fire Water Sprinkler Modifications

SECTION B. Project Description and Purpose:

The fire suppression system and alarm for the Willow Creek Building (WCB) Mechanical Building, building IF-617, does not meet National Fire Protection Association (NFPA) Codes and Standards, and needs to be modified. The proposed action upgrades the IF-617 fire water sprinkler system, and replaces a portion of the fire suppression system that currently is freeze protected with glycol with a wet system freeze protected with heat trace and insulation. Water is supplied to the fire suppression system from the City of Idaho Falls distribution system. The proposed modification upgrades the fire water riser, associated controls, and alarms to meet current code requirements, and remove three sprinkler heads exterior to the building. The project is expected to be completed during 2018 at an estimated cost of \$15,000.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

The project may involve potential asbestos containing material (e.g., sheet rock, wall board, insulation).

Discharging to Surface-, Storm-, or Ground Water

Sewer drains are located within the WCMB.

Disturbing Cultural or Biological Resources

The possibility of interaction with nesting bird activity exists for work performed between April 1 and September 1.

Generating and Managing Waste

Typical construction waste and glycol solution (estimated less than 25 gallons) is expected. Potentially hazardous (chemical), PCB (pre-1982 paint) and asbestos waste may also be generated.

Releasing Contaminants

Although unlikely, small spills may occur.

Using, Reusing, and Conserving Natural Resources

Where appropriate and practicable, materials such as paper, wood and other unpainted non-asbestos containing construction materials will be reused or recycled.

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: 10 CFR 1021, Appendix B to Subpart D, Item B2.2 "Building and equipment instrumentation".

Justification: Project activities are consistent with 10 CFR 1021, Appendix B to Subpart D, Item B2.2 "Installation of, or improvements to, building and equipment instrumentation (including, but not limited to...fire detection and protection systems..."

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

Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 11/02/2017