

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

SECTION A. Project Title: IF-611 and IF-627 Fire Suppression Risers and Fire Alarm Panel Replacement

SECTION B. Project Description and Purpose:

The IF-611 and IF-627 fire protection panels and the associated fire protection devices in these buildings, need to be upgraded to increase system reliability and meet current fire protection code requirements. In addition, the fire water risers are not reliable and are at the end of their operational life. These building fire water risers also need to be replaced and updated to meet current fire protection code requirements.

The proposed project would replace the fire protection panels, devices, and fire risers in these buildings. This will include removal of the existing and installation of new fire alarm control panels, devices (pull stations, horns/strobes, smoke detectors), appliances, conductors and conduit. The new fire alarm system will then be connected to the existing network system. System connection modifications will also take place in the IF-601 fire alarm control panel.

The fire suppression riser work in IF-611 and IF-627 will include the removal of the riser assemblies, water motor gongs, fire department connection check valves, pressure switches and retard chambers. Installation will include the new fire suppression riser assemblies, pressure relief kits, waterflow switches, water flow alarms and fire department connection check valves.

The project is to take place in FY2021.

Approximate Cost: \$180,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

N/A

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

N/A

Generating and Managing Waste

Project activities may generate non-hazardous, non-radioactive waste such as old fire panels, scrap wood, scrap metal, wire, packaging material, RCRA empty containers, etc. Circuit boards associated with the existing fire panels will need to be separated and given to WGS for recycle.

Releasing Contaminants

Project activities will use typical construction chemicals such as lubricants, fuels, paints, adhesives, etc. Subcontractors will submit chemical inventory lists along with associated SDS's for approval through the vendor data system. Although not likely, spills of chemicals could occur during project activities.

Using, Reusing, and Conserving Natural Resources

Waste minimization practices and recycling will occur where practical. Circuit boards must be removed and provided to WGS for recycle.

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)).

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

Justification: The proposed activities are consistent with CX 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 Jason Sturm, DOE-ID NEPA Compliance Officer on: 02/10/2021