

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: CFA-681 Fire System Upgrade

SECTION B. Project Description and Purpose:

The fire alarm control panel and equipment associated with it at CFA-681 are obsolete and not working. This project will consist of removing the obsolete components of the existing fire system and installing new equipment. The equipment that will be removed consists of:

- The fire alarm panel
- Manual Fire Alarms (MFAs)
- Horn strobes
- Smoke detectors
- The manual discharge switch
- The AlarmLine test panel
- Digital Alarm Communicator Transmitter (DACT)
- Other associated equipment

The conduit will remain in place to be used with the new system were practical.

Then, contractors will install a Notifier NFS-320 Fire Alarm Panel equipped with a Notifier High-Speed Network Communication Module for multi-mode fiber optic cable. The new NFS-320 panel will be programmed as the releasing panel for the existing FM-200 suppression system. Existing pull stations will be replaced with dual action Notifier NGB-12LX Intelligent devices. Existing manual release stations will be replaced with dual action notifier NGB-12LR. New horn/strobes shall be Notifier P2RA for wall mounted application. The new bell shall be System Sensor SSM series alarm bell, model SSM24-6 and mounted to a standard 4" square electrical box. New smoke detectors shall be Notifier FSP-951 series detectors with a B300-6 series base. New duct smoke detectors shall be an Intelligent Notifier DNR Duct Smoke Detector equipped with a relay module. New linear heat detection cable shall be standard sensor cable, P/N 73-117068-013 (GFE) and installed within the test box. New monitoring modules shall be Notifier type FMM-1 and FDM-1.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive emissions resulting from cutting/grinding/welding are expected. This activity will not involve the construction of a new stationary emission source.

The proposed action has the potential to disturb asbestos-containing materials (ACM). To control the release of asbestos fibers, the asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation requires that regulated ACM (RACM) be adequately wetted during cutting or disjoining operations, specifically when a facility component covered/coated with RACM is removed as units or in sections from the facility, or during stripping operations when a facility component containing RACM remains in place in the facility.

Disturbing Cultural or Biological Resources

CFA-681 was built in 1951 and is eligible for listing on the National Register of Historic Places (NRHP). a Cultural Resource Review by the Cultural Resources Management Office (CRMO) is necessary.

Generating and Managing Waste

Items will be recycled to the greatest extent possible. All waste will be managed at the direction of Waste Generator Services.

This building is older than 1982; therefore, electrical equipment and materials such as paint, caulking, joint sealer, adhesives, ceiling tiles, ventilation duct gaskets, and insulation may contain PCBs. Paint may also contain RCRA metals. Contact Waste Generator Services (WGS) for proper waste management and disposal

Releasing Contaminants

Scrap metal will be diverted from landfill disposal and recycled where practical.

Fiber optic cable installation is expected to generate small amounts of industrial waste. All waste will be characterized, stored, and disposed at the direction of Waste Generator Services (WGS). Copper will be recycled to the extent practicable.

Project activities have the potential to generate asbestos containing material (ACM) which must be disposed of by properly trained personnel using appropriate abatement methods.

Using, Reusing, and Conserving Natural Resources

All materials would be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow.

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)

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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 B2.2 "Building and Equipment Instrumentation".

Justification: 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:3/10/2020