

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Installation of Network Data Cables

SECTION B. Project Description and Purpose:

Network data cables (e.g., Category 5E cable) are needed in the Advanced Test Reactor (ATR), building TRA-670, to add additional computer consoles. Network cables would be installed in the following locations:

- 1) The network switch and 670-J-465 panel in the ATR Critical (ATRC) Facility office area (room 130) to the network wall panel 21-D in the Loop Operating Control System (LOCS) area in the ATR 2nd basement
- 2) Network switch located in the Reactor Data Acquisition System (RDAS) room to the wall mounted data jack located in the reactor Control room (RCR).

Each data cable installation will terminate at new wall jack in the RCR or wall jack 21-D in the LOCS.

Cables will be installed in existing conduit, cable trays, and wall penetrations where feasible. New conduit, cable trays, and wall penetrations will be utilized when necessary.

The ATRC to LOCS work scope includes installation of a telecom cabinet in the ATRC office area which requires relocation of a network switch and respective network cables into the telecom cabinet.

Work is expected to be performed in August 2017.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project activities have the potential to disturb asbestos.

Disturbing Cultural or Biological Resources

TRA_670 (ATR Reactor Building) is eligible for nomination to the National Register of Historic Places and is considered a Category 1 historic property. Removal and/or changes of original features may adversely impact this historic architectural property; however, the project activities are exempt and may proceed as described without further cultural resource review. The described project activities fall under exemption 2 (routine maintenance activities) listed in Table 2 (Idaho National Laboratory Cultural Resource Management Office. Idaho National Laboratory Cultural Resource Management Plan. DOE/ID-10997, revision 6, Idaho Falls, Idaho: U.S. Department of Energy, Idaho Operations Office, 2016, pg 51).

Generating and Managing Waste

The proposed action would generate the following types of waste:

- Industrial (non-hazardous, non-radioactive) waste including boxes, wood, wiring, paper, insulation, and some metal.
- Hazardous wastes from equipment containing hazardous chemicals, or by using hazardous chemicals to clean or decontaminate equipment and systems and hazardous metal waste (e.g., lead, electronics, brass, metal containing paints, etc.)
- Asbestos waste when working on equipment or materials with asbestos-containing materials (ACM) such as insulation, gaskets, flanges, walls, roofing, and flooring
- Polychlorinated Biphenyl (PCB) waste associated with pre-1982 equipment/materials such as capacitors, lubricants/dielectric fluids, transformers/bushings, painted surfaces and other electrical equipment/components.

Releasing Contaminants

While unexpected, there is a potential for spills and releases from use of chemicals.

Using, Reusing, and Conserving Natural Resources

Project activities could result in reusable and recyclable materials for excess or recycling. Sustainable acquisition would be implemented when practicable.

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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, B1.7 "Electronic equipment"

Justification: Project activities are consistent with 10 CFR 1021, Appendix B to Subpart D, B1.7 "Acquisition, installation, operation, modification, and removal of ... communication systems, data processing equipment, and similar electronic 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: 7/26/2017