

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

**SECTION A. Project Title: EBR-1 Museum Fiber Optic Cable**

**SECTION B. Project Description and Purpose:**

The Experimental Breeder Reactor (EBR)-I Museum only has a phone line connection for communications, which limits reliable communications for services such as life safety, power monitoring, security, and communications for the Museum tours. The proposed action installs new fiber optic cable (FOC) between the National and Homeland Security (N&HS) wireless cell tower #3 and the EBR-I Museum to give the facility modern and reliable communications. The project connects the new FOC to the FOC previously installed at Cell site #3 to communicate with the CFA dial room.

Power Management will install about 3,900 feet of new FOC on poles 42-79 to 42-95 on circuit 42 between CFA and RWMC. The Infrastructure Management (IM) organization will terminate the FOC inside each facility.

**SECTION C. Environmental Aspects or Potential Sources of Impact:**

**Air Emissions**

Emissions from installation activities are expected to be minimal. No asbestos work is anticipated. Emissions and fumes from common construction adhesives and are anticipated. Fugitive dust is expected during installation activities. If portable emission sources are used, equipment must meet opacity requirements.

**Discharging to Surface-, Storm-, or Ground Water**

N/A

**Disturbing Cultural or Biological Resources**

N/A

**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).

**Releasing Contaminants**

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

**Using, Reusing, and Conserving Natural Resources**

All applicable waste will be diverted from disposal in the landfill when possible. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project will practice sustainable acquisition, as appropriate and practicable, by procuring construction materials that are energy efficient, water efficient, are bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, and are non-toxic or less-toxic alternatives. New equipment will meet either the Energy Star or SNAP requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>).

**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, B4.7 "Fiber optic cable."

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**Justification:**

The proposed activities are consistent with CX B4.7 "Adding fiber optic cables to transmission facilities or burying fiber optic cable in existing powerline or pipeline rights-of-way. Covered actions may include associated vaults and pulling and tensioning sites outside of rights-of-way in nearby previously disturbed or developed areas."

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

Approved by Jason Anderson, DOE-ID NEPA Compliance Officer on: 05/26/2021