

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Fiber Installation for UB-4

SECTION B. Project Description and Purpose:

BEA maintains a fiber optic infrastructure for all site facilities to support INL's telephone and network systems and supports fiber connectivity needed by other special systems that support the Laboratory's mission. The fiber optic infrastructure maintained for the Research and Education Campus (REC) is upgraded, repaired or replaced on a continual basis in order to support the needs of personnel or systems based at each campus.

The proposed action installs one 144-fiber optic cable from EROB Rm. 149 to UB-4 Rm. 114. Fiber installation will utilize existing building conduits, ductbanks, and utility corridor. Installation includes fiber splicing and testing in the telecommunications room in both EROB and UB-4.

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/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.

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."

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 Sturm, DOE-ID NEPA Compliance Officer on: 1/31/2019