

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Upgrade Network Connectivity at Willow Creek Building (WCB) (Idaho Falls [IF]-616) 2nd Floor West

SECTION B. Project Description and Purpose:

Offices located on the west side of the 2nd floor of Willow Creek Building (building IF-616) do not have adequate and up-to-date network connectivity. The proposed action would upgrade network connectivity in 63 offices at this location to support Facility Engineering, Facility and Site Services, Laboratory Protection, and the Project Management Office. The proposed upgrade would be performed in three phases.

Phase 1 would modify the telecommunications room to accommodate network upgrades. The following would be completed during Phase 1:

1. Remove wall to accommodate new equipment racks
2. Relocate power and thermostat
3. Install new telecommunication equipment racks, cable runways, and cable trays.

Phase 2 includes network upgrades to the grid F3 and F4 office areas. This phase includes the following:

1. Remove old telecommunications cabling
2. Install, terminate, and test new telecommunications cabling
3. Configure and install new network switch and network uninterruptible power supply.

Phase 3 would perform network upgrades in the Facility Engineering office area by performing the following:

1. Install, terminate, and test new telecommunications cabling in 51 offices and printer areas
2. Remove old telecommunications cabling.

The project is expected to occur in the July 2016 timeframe at an estimated cost of \$170 K.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Asbestos containing material (floor tile; sink; heating, ventilation, and air conditioning [HVAC] area adhesive and caulk) is present in the vicinity of the project area.

Generating and Managing Waste

Standard industrial (non-hazardous, non-radioactive) waste would be generated. Asbestos containing waste would be generated if disturbing potential asbestos containing material. Hazardous waste is not expected.

This building is older than 1982, and materials such as paint, caulking, joint sealant, wire pulling lubricant, etc. would be treated as suspect for containing polychlorinated biphenyls (PCBs).

Scrap metal (e.g., conduit, wire, etc.) would be diverted from landfill disposal and recycled where appropriate.

Releasing Contaminants

Although not expected, small spills may occur. Spills would be reported to the Spill Notification Team, cleaned up, and spill cleanup materials turned over to Waste Generator Services (WGS).

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.

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

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“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 Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 7/20/2016