

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Addition of Wi-Fi at the STAR (TRA-666) Lab

SECTION B. Project Description and Purpose:

The researchers in the INL Fusion Safety Program perform experiments in the Safety and Tritium Applied Research (STAR) lab (TRA-666/666A). Experimenters using the STAR lab need to use electronic lab notebooks (ELNs), and connection to the INL computer network is also needed. The purpose of the proposed activity is to install Wi-Fi in the STAR lab to support experimental work, install wireless network switches in the data cabinet in the High Bay just outside room 105. Four access points will be installed to provide adequate wireless coverage in the main experiment areas of the STAR Building.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive dust may be generated during trenching activities. All reasonable precautions would be taken to control fugitive dust. If dust control methods are required, the methods used must be recorded in project records.

Generating and Managing Waste

Activities addressed by this EC have the potential to generate waste requiring management through:

- Generating wastes.
 - Industrial (non-hazardous, non-radioactive) waste includes typical maintenance wastes such as boxes, wood, wiring, paper, insulation, and some metals.

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, cable cleaner, etc., will be used during the project.

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) 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: 10/31/2017