# DOE-ID NEPA CX DETERMINATION
# Idaho National Laboratory



CX Posting No.: DOE-ID-INL-15-059

**SECTION A. Project Title:** Installation of Lock-out/Tag-out (LO/TO) Equipment Storage Cabinets in Test Reactor Area (TRA)-670

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

The proposed action would install new metal storage cabinets in building TRA-670 in the laydown area and switchgear room. The new cabinets would be used to store lock-out/tag-out (LO/TO) equipment and personal protective equipment (PPE) to reduce degradation of electrical PPE. Cabinets in the laydown area include one PPE cabinet and one LO/TO cabinet. Two PPE cabinets would be installed in the switchgear room located in the 1st basement. One additional cabinet would be installed on the south side of the 2nd basement. The cabinets may need to be bolted to the floor to meet seismic requirements.
Project Start Date: 10/2015
Project End Date: 10/2015

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

**Air Emissions**

Emissions typical of cutting/grinding/welding are expected. The emissions from this activity are not considered construction of a new stationary emission source.

**Disturbing Cultural or Biological Resources**

Although TRA-670 is classified as a Category 1 historic property in the Idaho National Laboratory (INL) Cultural Resource Management Plan (Department of Energy Idaho Operations Office (DOE/ID)-10997 rev. 5, Appendix I), and is considered eligible for listing on the National Register of Historic Places, the project as described is an exempt activity (DOE/ID-10997 rev. 5, Table 2, Exemption 2); as such, the project may proceed as described with no further cultural review.

**Generating and Managing Waste**

All waste generated from this activity will be managed in accordance with laboratory procedures. Pollution prevention/waste minimization will be implemented where economically practicable to reduce the volume and/or toxicity of waste generated. All waste generated will be transferred to Waste Generator Services (WGS) for appropriate disposition. All waste generated from these activities will have an identified disposition path prior to it being generated.

**Releasing Contaminants**

All chemicals typically used in construction/maintenance, if used, will be managed in accordance with laboratory procedures. There is the potential for possible disturbance of suspect polychlorinated biphenyl (PCB) paint. Approved work controls will be in place to ensure that no releases occur during project activities.

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

All material will be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill when possible. Project personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project would 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, or are non-toxic or less-toxic alternatives.

**SECTION F. 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 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, Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment."

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**Justification:** The proposed activities are consistent with CX B1.31 "Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts."

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: 10/06/2015