

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Project Title: Replacement of Breakers 22, 23, 25 within switchgear 670-E-3 and addition of motor starters in Test Reactor Area (TRA)-671

SECTION B. Project Description:

The purpose of the proposed action is to replace the two Utility Coolant Pump circuit breakers, located in switchgear 670-E-3 cubicles 22 and 23, and the Diesel/Bus feeder circuit breaker, located in switchgear 670-E-3 cubicle 25. These three circuit breakers would be replaced with vacuum circuit breakers.

Project activities include installation of two new vacuum motor starters in building TRA-671 for Utility Coolant Pumps 671-M-5 and 671-M-6. This includes the installation of new conduits and cables to interface the new motor starters with the circuit pumps. Post installation testing would also occur.

Projected Start Date: June of 2015
Projected End Date: August of 2015
Estimated Cost: Approximately \$240,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Disturbing Cultural or Biological Resources- TRA-670 is eligible for nomination to the National Register of Historic Places. The activities described in the project description are exempted from cultural resource review ("Idaho National Laboratory [INL] Cultural Resource Management Plan" Table 2, exemptions 3 and 6 [Department of Energy/Idaho Operations Office (DOE/ID)-10997 rev. 5]). Therefore, the project could proceed as described without further cultural resource 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 utilized by this activity will be managed in accordance with laboratory procedures.

Using, Reusing, and Conserving Natural Resources - All materials would be reused and/or recycled where economically practicable and as accepted by the customer. All applicable waste would be diverted from disposal in the landfill where conditions allow. New equipment would meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <https://sftool.gov/green-products/0/hvacmechanical?agency=0>). In addition, 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. Such purchases could include hydraulic fluid in accordance with BioPreferred requirements (<https://sftool.gov/green-products/0/lube-oil-hydraulic-fluid-grease?agency=0>).

SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): 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: 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.31

Justification: Project activities described in this Environmental Checklist (EC) are consistent with 10 CFR 1021, Appendix B to Subpart D, item 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: 11/20/2014