

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Replace/Upgrade 670-HVA-3, Process Control Room Air Conditioner

SECTION B. Project Description and Purpose:

This Environmental Checklist (EC) is being revised to add additional scope to include disconnecting and removing the drinking fountain outside the east door to the Advanced Test Reactor (ATR) Process Control Room. Both the potable water supply line and the cold waste drain will remain in place but will be capped.

Scope of the original EC is included below:

The refrigerant side of the ATR Process Control Room (PCR) air conditioner, 670-HVA-3, has stopped functioning. After several failed attempts to repair, the 7.5 ton self-contained unit will be replaced with a similar 10 ton self-contained unit. The new unit will provide cooling to the PCR as before, but will require changes to the electrical supply, cooling water piping, and ventilation ductwork connections. The new thermostat and controller will be compatible with iVu, the building monitoring and management system for ATR heating, ventilating, and air conditioning (HVAC). A conduit for the PPS State of Charge system will be re-routed since the new unit extends eighteen inches further south than the current one.

Project Start Date: February 2016

Project End Date: April 2016

Estimate Cost \$100,000.00

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Work may result in the disturbance or removal of asbestos.

Disturbing Cultural or Biological Resources

Test Reactor Area (TRA)-670 is eligible for nomination to the National Register of Historic Places and is considered a Category 1 historic property. Removal and/or changes of original features may adversely impact this historic property; however, the project activities as described are exempt (Idaho National Laboratory Cultural Resource Management Office. Idaho National Laboratory Cultural Resource Management Plan. Department of Energy Idaho Operations [DOE/ID]-10997, revision 5, Idaho Falls, Idaho, U.S. Department of Energy, Idaho Operations Office, 2013, pg 53, Table 2, Exemption 2). As such, the project may proceed - as described - without further cultural resource review.

Generating and Managing Waste

Polychlorinated Biphenyl (PCB) waste could be generated when performing activities associated with pre-1982 equipment and materials, including capacitors, lubricants and dielectric fluids, transformers and bushings, other electrical equipment/components, and painted surfaces.

Releasing Contaminants

All chemicals typically used in construction/maintenance, if used, will be managed in accordance with laboratory procedures.

Using, Reusing, and Conserving Natural Resources

Reuse and/or recycle all materials where economically practicable. Divert applicable waste 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)).

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References: 10 CFR 1021, Appendix B, B2.1 "Workplace enhancements"

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction."

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: 4/12/2016