

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: TRA-680 Air Conditioning Unit Replacement

SECTION B. Project Description and Purpose:

The existing air conditioning (AC) unit in TRA-680 Emergency Command Center (ECC) is near the end of its life and needs to be replaced. The proposed work scope is to replace existing AC unit 680-HP-1 with new 410A unit 680-CU-1. Examples of parts to be replaced during the project include the air handling unit, evaporator coils, condensing coils, compressor, cooling fan, pump, circuits, and humidifier.

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.

Adhere to all best practices described in 40 Code of Federal Regulations (CFR) 82, summarized in LWP-8000 4.43 and 4.45, to prevent the release of ozone depleting substance or any other refrigerants to the atmosphere while servicing systems containing refrigerants

The project plans to do light prep work of the ground for a pre-poured concrete slab, but no air emissions is expected.

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

N/A

Generating and Managing Waste

All waste generated from this activity will be managed in accordance with laboratory procedures. Contact Waste Generator Services (WGS) prior to start of activity to begin waste identification, classification, and characterization. All wastes generated will be transferred to WGS for appropriate disposition.

Releasing Contaminants

Chemicals such as fuels, lubricants, adhesives, paints, concrete, concrete cure, asphalt, refrigerants, etc., must be submitted to chemical inventory lists with associated Safety Data Sheets (SDSs) for approval in the vendor data system prior to use. The Facility Chemical Coordinator enters these chemicals into the INL Chemical Management Database. All chemicals will be managed in accordance with laboratory procedures. When dispositioning surplus chemicals, project personnel must contact the facility Chemical Coordinator for disposition instructions.

Although not anticipated, there is a potential for spills when using chemicals or fueling equipment. In the event of a spill, notify facility Environmental Staff. If Environmental Staff cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

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. The project would practice sustainable acquisition. New equipment would meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate. The project will procure construction materials and equipment that are energy efficient, water efficient, bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, or are nontoxic / less-toxic. www.sftool.gov/greenprocurement

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, item B1.4 "Air conditioning systems for existing equipment."

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CX Posting No.: DOE-ID-INL-20-043

Justification: Activities are consistent with 10 CFR 1021, Appendix B to Subpart D, item B1.4 "Installation or modification of air conditioning systems required for temperature control for operation of existing equipment."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Nicole Hernandez, DOE-ID NEPA Compliance Officer on: 6/22/2020