

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: IF-616 (WCB) CRAC Unit Replacement

SECTION B. Project Description and Purpose:

The computer room air conditioning (CRAC) system located in IF-616 (WCB) room 126H is old and needs to be replaced with an up-to-date system. The proposed project would remove the existing CRAC unit from room 126H, remove the associated glycol piping and electrical equipment, remove the associated dry cooler from the roof (penthouse) and replace it with a new unit. The new CRAC unit would sit in 126H and glycol (propylene) piping would be routed to a new dry cooler that would be located outside the north wall of WCB (outside 185C). A concrete slab is to be constructed to house the dry cooler and associated equipment. Electrical and communication equipment would also be installed with the new system. Roof patching, floor repairs (including installation of some perforated tile) and wall patching would be necessary where the old system was located.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

The proposed project activity has the potential to generate fugitive dust while leveling and compacting soil for the concrete pad. Asbestos containing material (tiles, roofing, caulk, adhesives, etc.) may be disturbed when removing the old system.

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

N/A

Generating and Managing Waste

Project activities may generate non-hazardous, non-radioactive waste such as concrete, wood, scrap metal (piping), wire scrap, packaging material, RCRA empty containers, etc. Asbestos containing waste material and PCB bulk product (painted items) waste may also be generated.

Releasing Contaminants

Project activities would use typical construction chemicals such as concrete additives, lubricants, fuels, paints, adhesives, etc. Subcontractors would submit chemical inventory lists along with associated SDS's for approval through the vendor data system and Chemical Coordinators would place these approved chemicals into the INL Comply Plus Chemical Management System for tracking purposes. Although not likely, spills of chemicals could occur during project activities.

Asbestos containing material (tiles, roofing, caulking, adhesives, etc.) may be disturbed when removing the old system. Personnel would be trained and would use appropriate removal methods if asbestos disturbance is required.

Using, Reusing, and Conserving Natural Resources

Waste minimization practices and recycling would occur where practical.

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 item B1.4: Air conditioning systems for existing equipment.

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Justification: Project activities are consistent with 10 CFR 1021, Appendix 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 Jason Sturm, DOE-ID NEPA Compliance Officer on: 1/19/2021