

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Central Facilities Area (CFA)-622 and CFA-624 Building Modifications

SECTION B. Project Description and Purpose:

Idaho National Laboratory's (INL's) Power Management needs additional space for program activities. The portion of building 622 at the Central Facilities Area (CFA [CFA]-622) previously occupied by the High Temperature Laboratory has been rarely used since the High Temperature Laboratory was moved to the Research and Education Campus (REC) in Idaho Falls. The proposed action would modify CFA-622 to accommodate Power Management activities occurring in CFA-624. In addition, CFA-624 would be reconfigured to provide a variety of expanded spaces.

The proposed modifications include the following:

- Construct a new Glove Test Room in CFA-622 for defect testing and inspection of protective gloves. This includes construction of an enclosed room in the high bay area, installation of a wash basin; heating, ventilation, and air conditioning (HVAC); compressed air; electrical; and fire protection equipment to be relocated from CFA-624. Equipment from the Glove Test Room would also be relocated to CFA-622.
- Construct a storage and workshop area in CFA-622. This includes partial wall construction in the high bay area and electrical installation for convenience outlets and equipment. The workshop area equipment would be relocated from CFA-624 to CFA-622.
- Provide an expanded locker room, computer training area, collaboration/break/lunch room, cleaning/utility room, and general storage areas for Power Management equipment and work clothing. This includes relocating storage lockers and shelving, expanding the locker room with relocated storage lockers, installing 5 computer training workstations, and reconfiguring certain areas. A lockable information technology (IT) cabinet would be installed for installation of category (CAT) 6A cable to work stations and offices on the second floor. Wall mounted cabinets would be installed for the break room and utility room, and vinyl flooring would be installed in room 101. The damaged jib crane and bracing would be removed from room 130.
- Upgrade second floor offices and collaboration areas in CFA-624. This includes reconfiguring office areas, replacing cubicle panels, constructing three new hard wall offices, and installing CAT 6 voice/data cables throughout the second floor. An air handler wall unit and outdoor condenser would be installed for a new conference room. Modification of the HVAC duct work and fire protection equipment would be needed for new office installations. Electrical convenience outlets, power to new cubicle panels, vinyl floor covering and cabinets in the break room would be installed and carpet throughout office areas would be replaced.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

HVAC rerouting will be required to supply adequate ventilation. An Air Permitting Applicability Determination (APAD) is not needed for HVAC work as these changes do not result in new emissions sources. Refrigerant work is necessary.

Generating and Managing Waste

Waste from construction activities may include wooden forms and general construction debris. Waste generated during routine operations may include scrap wood, metal, lubricants, and cleaning materials.

Releasing Contaminants

Small amounts of contaminants will be released to the atmosphere due to welding. Although not anticipated, small spills of substances (e.g., petroleum and/or other fluids) may occur. Any releases would be cleaned up, containerized and provided to Waste Generator Services (WGS) for management and disposition. The spill notification team (241-6400) and Environmental Support and Services would also be notified.

Construction chemicals such as marking paint, fuels, lubricants, adhesives, traffic paints, etc., will be used during the project.

Using, Reusing, and Conserving Natural Resources

Scrap material, such as wood, metal and asphalt, will be recycled to the extent practical. All applicable waste will be diverted from disposal in the landfill when possible. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project will 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 (<https://sftool.gov/Green Procurement>).

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.

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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, items B2.1 "Workplace enhancements"

Justification: Project activities described in this Environmental Checklist (EC) are consistent with 10 CFR 1021, Appendix B to Subpart D, item B2.1 "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance work place habitability (including but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilation/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: 6/27/2016