

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: USG Lab Equipment

SECTION B. Project Description and Purpose:

Revision 1:

This revision changes the NEPA determination to a 1st Tier ECP due to the addition of the 10 CFR 1021 categorical exclusion B1.24 "Property Transfers."

Original ECP:

INL's N&HS division is obtaining a variety of USG owned laboratory equipment for re-utilization within the N&HS mission center's UB (University Boulevard) campus facilities. The campus consists of IF-680, IF-681, IF-682, IF-684, and IF-691. The equipment was viewed at its current location prior to dismantlement to ensure was operational and it met expectations. The equipment will be prepared for disassembly, disassembled, packaged and palletized by vendors for shipment from its current location to the WestOne receiving facility in Idaho Falls. Once received at WestOne, N&HS researchers will inspect and evaluate equipment to determine the laboratory best suited to receive each piece of equipment. During the equipment evaluations, if existing equipment is deemed obsolete or unnecessary, that equipment will be dispositioned and processed as excess equipment.

The arriving equipment includes electronic coating systems, environmental/desiccant/humidity/thermal evaporator chambers, wall-mount DI water system, network analyzer, spectrum/frequency generator, plasma cleaner/etcher, control laser system, precision polishing system, electronic probing system, scanning acoustic microscope, scanning electron microscope, microchip rework station, sputter coater, wire bonder, X-prep precision milling system, cabinet X-ray system, and Faraday Cage. Other small miscellaneous, plug and play, type of equipment is also included in the property transfer.

This equipment is commercial off-the-shelf standard electronic equipment used in R&D and electronic manufacturing environments. It has never been in a radiological area. Depending on the laboratory chosen for this equipment, the installation may require dedicated electrical connections, facility air connections, ventilation connection to existing systems, water connections and drains. Some room reconfigurations may also be necessary to fit the larger pieces of equipment.

This equipment will provide expanded capabilities across INL's N&HS mission center's UB campus and provide support to multiple programs/projects.

Individual projects using this equipment will have separate NEPA determinations.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Building modifications could result in fugitive emissions.

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

N/A

Generating and Managing Waste

When wastes are generated, how they are disposed can adversely affect the environment. Managing wastes appropriately and responsibly and implementing recycling or reuse practices, where feasible, during project activities can reduce the potential impact on the environment.

Waste will include packaging material (wood pallets, cardboard, plastic, etc.) Industrial waste from installation will include scrap metal, piping, tubing, wire, etc.

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil)

Using, Reusing, and Conserving Natural Resources

Waste going to the landfill will be minimized to the extent possible. Scrap material will be recycled to the extent possible. Current equipment that is determined to no longer be necessary will be excessed through the Excess Program.

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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, items B1.31 "Installation or relocation of machinery and equipment" and B1.24, "Property transfers"

Justification: The proposed transfer of the equipment is consistent with CX B1.24 "Transfer, lease, disposition, or acquisition of interests in personal property (including, but not limited to, equipment and materials) or real property (including, but not limited to, permanent structures and land), provided that under reasonably foreseeable uses (1) there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment and (2) the covered actions would not have the potential to cause a significant change in impacts from before the transfer, lease, disposition, or acquisition of interests."

The proposed installation are consistent with 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 Jason Sturm, DOE-ID NEPA Compliance Officer on:09/22/20