

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Idaho National Laboratory (INL) Installation or Relocation of Machinery and Equipment B1.31 (Overarching)

SECTION B. Project Description and Purpose:

The purpose of this Environmental Checklist (EC) is to address activities at any INL facility, building or structure, either in-town or at the INL site, that would meet the intent of Categorical Exclusion (CX) B1.31 as described in 10 Code of Federal Regulations (CFR) 1021, Appendix B to Subpart D. These activities would consist of typical actions for the purpose of installation or relocation 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.

Activities covered by this CX include those actions foreseeably necessary to support the specific proposed action (such as award of implementing grants and contracts, site preparation, purchase of equipment, and associated transportation activities).

"Previously disturbed or developed area" refers to land that has been changed such that its functioning ecological processes have been and remain altered by human activity. The phrase encompasses areas that have been transformed from natural cover to nonnative species or a managed state, including, but not limited to, utility and electric power transmission corridors and rights-of-way, and other areas where active utilities and currently used roads are readily available.

This overarching EC shall not be used for activities that disturb soils within the Sagebrush Steppe Reserve, Sage Grouse Conservation Area, Critical Infrastructure Test Range Complex (CITRC) fenced boundary, the area between Specific Manufacturing Capability (SMC) and Test Area North (TAN), or the INL storm water corridor. Work within these areas requires the preparation of an activity-specific 1st Tier EC.

This overarching EC shall not be used if any action within the scope of the proposed work requires obtaining a new or modified permit from a regulator. In the event a new or modified permit is required, a project-specific 1st tier EC must be prepared.

Proposed actions under this overarching document must prepare project-specific 2nd tier ECs.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Activities addressed by this EC have the potential to contribute to air emissions through:

- Generating air pollutants, including but not limited to radionuclides, chemical and combustion emissions. Some activities may involve stationary air emission sources, including stationary internal combustion engines.
- Generating hazardous and radiological emissions, such as by operation of fuel burning equipment, decontamination work, use of maintenance products that contain hazardous constituents, and disturbance of contaminated soils.
- Distributing, excessing or disposing of appliances containing refrigerants.
- Maintaining, servicing or repairing stationary heating, ventilation, air conditioning and refrigeration equipment.
- Maintaining, testing, or disposing of halon-containing equipment or halon.
- Purchasing equipment containing refrigerants or halon.
- Acquiring and dispositioning chemicals.
- Working with asbestos.
- Generating fugitive dust or other fugitive emissions.
- Purchasing, relocating, operating, modifying or maintaining portable air emission sources, including non-road internal combustion engines.

Discharging to Surface-, Storm-, or Ground Water

Activities addressed by this EC have the potential to contaminate waters of the United States (U.S.) or groundwater through:

- Construction or modification of drinking water systems and cross connections at the INL and in-town facilities
- Maintaining, repairing, or altering drinking water systems and cross connection at the INL and in-town facilities
- Using drinking water systems and cross connections at the INL and in-town facilities
- Constructing or modifying sewage and other reuse systems
- Maintaining or repairing septic tanks or septic systems
- Discharging Wastewaters
- Managing storm water discharges.

Disturbing Cultural or Biological Resources

Activities addressed by this EC have the potential to disturb cultural or biological resources through:

- Constructing or modifying facilities, structures, equipment or processes
- Maintaining or repairing facilities, structures, equipment or processes
- Management of migratory birds and bird nests on the INL and at in-town facilities
- Modifying buildings or structures constructed on the INL before 1970, including Experimental Breeder Reactor-I (EBR-I).

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Generating and Managing Waste

Activities addressed by this EC have the potential to generate waste requiring management through:

- Constructing or modifying facilities, equipment or processes at permitted or interim status Resource Conservation Recovery Act (RCRA) facilities
- Decontaminating equipment containing or contaminated with polychlorinated biphenyls (PCBs) (From equipment manufactured before 1982)
- Maintaining equipment containing or contaminated with PCBs (From equipment manufactured before 1982)
- Disposing asbestos-containing material
- Disturbing asbestos or removing asbestos-containing material
- Generating wastes

Releasing Contaminants

Activities addressed by this EC have the potential to release contaminants through:

- Acquiring, using, storing and dispositioning chemicals
- Managing and dispositioning excess property and materials
- Reporting and cleaning up spills and releases
- Managing elemental lead
- Removing lead from service or from a structure.

Using, Reusing, and Conserving Natural Resources

Activities addressed by this EC have the potential for use, reuse and conservation of natural resources related to:

- Generating greenhouse gasses
- Building energy use
- Consuming potable, industrial or irrigation water
- Generating storm water
- Generating landfill waste or construction and demolition wastes
- Generating recyclable materials
- Providing an opportunity to engage in sustainable acquisition practices.

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: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment."

Justification: The proposed activities are consistent with CX 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 Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 12/5/2016