

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

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CX Posting No.: DOE-ID-INL-15-034

SECTION A. Project Title: Electric Vehicle Infrastructure (EVI) Laboratory Upgrades

SECTION B. Project Description:

The Electric Vehicle Infrastructure (EVI) Laboratory is located at the Energy System Laboratory, building Idaho Falls (IF)-685, at Idaho National Laboratory's Research and Education Campus in Idaho Falls. The EVI needs cosmetic and functional upgrades to address limitations on space and electrical needs. The proposed action would approximately double the EVI Laboratory work area by allowing more effective use of highbay space.

The proposed action includes procuring and installing government supplied equipment and furniture (including storage cabinets and glass partitions) and a vehicle hoist/lift. The total hydraulic oil capacity of the hoist/lift system would be less than 20 gallons. In addition, a raised floor and a metal-framed separation wall would be built to divide the two work areas. The project would also include electrical additions including the addition of two transformers, panels, conduit, wiring, outlets and a new overhead cable tray. All the electrical equipment would be located within current floor space and would support current work activities.

No modification to water systems is planned.

Total project cost is estimated at approximately \$250K

SECTION C. Environmental Aspects or Potential Sources of Impact:

Generating and Managing Waste - Waste generated during construction is expected to be typical of construction activities and would include industrial and possible hazardous waste. Waste would be managed at the direction of Waste Generator Services (WGS) in accordance with the construction contract.

Releasing Contaminants - Typical construction chemicals such as fuels, lubricants, paints, adhesives, etc., would be used during the project. A chemical inventory list with associated Safety Data Sheets (SDSs) would be submitted by the subcontractor and be approved by Battelle Energy Alliance, LLC (BEA) in the vendor data system. The Construction Chemical Coordinator would enter these chemicals into the Comply Plus chemical management system for tracking purposes. All spills would be reported to the Construction Field Representative and to the Spill Notification Team if applicable.

Using, Reusing, and Conserving Natural Resources - All applicable waste would be diverted from disposal in the landfill when possible. Project personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project would 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, and are non-toxic or less-toxic alternatives (see <https://sftool.gov/green-products/0?agency=7>).

SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): 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: 6/18/2015