DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

CX Posting No.: DOE-ID-INL-15-005

SECTION A. Project Title: Critical Infrastructure Test Range Complex (CITRC) - National and Homeland Security (N&HS) Electrical Upgrades to Power Burst Facility (PBF)-613 and Auxiliary Reactor Area (ARA)-632

SECTION B. Project Description:

This project enhances the capabilities of PBF-613 and ARA-632 (Fillmore Test Facility) to support various electronics testing scenarios conducted as part of the Critical Infrastructure Test Range. The ARA-632 scope includes the installation of approximately twenty (20) 120 volt convenience outlets to support testing. It also includes the installation of a 48 volt DC power system (including sealed batteries) for test power. The floor area under the batteries may need additional support due to the weight. Security devices, conduit, and wiring will also be installed to support programmatic needs. Minor door and window modifications are also included. The PBF-613 scope includes the installation of security devices, conduit, and wiring to support programmatic needs. Minor door and window modifications are also included. The work is scheduled to be completed in the 3rd quarter of FY-15 and is estimated to cost approximately $150K to $200K (total project cost).

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions: There is a possibility for disturbance of asbestos containing building materials. All asbestos work must be conducted by properly trained personnel using appropriate abatement methods. Quantities of asbestos that are to be disturbed will be communicated to the Construction Environmental Support and Services (ES&S) representative in order to file the Asbestos Removal Notification Form (450.04). Asbestos work will not take place until the project has received approval from the Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAPs) Technical Point of Contact (TPOC).

Generating and Managing Waste - This work is expected to generate small amounts of industrial waste such as scrap metal. Scrap metal will be recycled to the extent practicable. Spent batteries are expected to be recycled. All Solid Waste will be managed by Waste Generator Services (WGS).

Disturbing Cultural Resources - PBF-613 was constructed prior to 1970. The anticipated work, installation of electrical outlets and security devices, are exempt under the Cultural Resources Management Plan (Idaho National Laboratory [INL] Cultural Resources Management Plan, Table 2, exemptions 2 and 8 [Department of Energy Idaho Operations Office (DOE/ID)-10997 rev. 5]). Therefore, the project may proceed as planned. .

Using Reusing, and Conserving Natural Resources - Scrap metal would be recycled to the extent practicable. Spent batteries will be recycled. All materials would be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow. New equipment would meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate. In addition, 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, or 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 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 3.6 "Small-scale research and development, laboratory operations, and pilot projects"

Justification: Project activities described in this Environmental Checklist (EC) are consistent with CX B3.6 "Siting, construction, modification, operation, and decommissioning of facilities for small-scale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment."

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: 2/5/2015