

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Installation of MTAPs on 786-MS-1, 786-MS-3, and 672-MS-4

SECTION B. Project Description and Purpose:

The proposed action installs MTAPs on deep well motors 601-M-1, 650-M-3, and 672-M-1 at the Advanced Test Reactor (ATR) Complex to support online monitoring for predictive maintenance. Project scope includes installing the MTAPs in motor starter drawers, with associated current transformer and potential transformer connections and amphenol connectors on the drawer faces.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive emissions from cutting, grinding, and welding are anticipated.

Disturbing Cultural or Biological Resources

The proposed activity, action, or project is exempt from further cultural resource review.

Generating and Managing Waste

Project activities will generate industrial (non-hazardous, non-radioactive) wastes such as wiring, metal, and packing material. The proposed action also has the potential to generate PCB contaminated waste. Potential waste materials will be evaluated for waste minimization prior to generation, and industrial waste generated during proposed activities will be evaluated for recycling opportunities prior to disposal at the INL Landfill Complex.

All solid waste will be managed by WGS using approved laboratory procedures.

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, adhesives, concrete, concrete cure, asphalt, etc., will be used and will be submitted to chemical inventory lists with associated Safety Data Sheets (SDSs) for approval in the vendor data system prior to use. The facility Chemical Coordinator will enter these chemicals into the INL Chemical Management Database. All chemicals will be managed in accordance with laboratory procedures. When dispositioning surplus chemicals, project personnel must contact the facility Chemical Coordinator for disposition instructions.

Although not anticipated, there is a potential for spills when using chemicals or fueling equipment. In the event of a spill, notify facility PEL. If the PEL cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

Using, Reusing, and Conserving Natural Resources

All materials will be reused and / or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow. The project would practice sustainable acquisition. New equipment would meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate. The project will procure construction materials and equipment that are energy efficient, water efficient, bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, or are nontoxic / less-toxic.

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 B2.2 "Building and equipment instrumentation"

Justification: Project activities described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D, item B2.2, "Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and

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surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment)."

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: 10/01/2019