

DOE-ID-NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Advanced Test Reactor (ATR) Electronic Message Board Installation

SECTION B. Project Description:

The scope of work for this project involves the installation of a new electronic information sign at the south end of the sidewalk by the guardhouse (Test Reactor Area [TRA]-658). The sign would be mounted on metal posts just south of the first sidewalk light pole. The new sign would be powered from the light pole outlet circuit via a power supply to be located in TRA-641. A wireless ethernet kit would be installed in the sign and inside TRA-658 for the network connection. The following tasks would be completed for this project:

- Excavate two 24" diameter holes for sign posts.
- Cement sign posts in ground.
- Mount light-emitting diode (LED) sign to posts.
- Install a new power supply in the existing light pole receptacle circuit to compensate for voltage drop. Power supply to be installed in TRA-641 on the wall next to the electrical panel.
- Connect new LED sign to circuit.
- Install wireless transmitter on the sign and the wireless receiver in TRA-658.
- Connect receiver to existing network in TRA-658.

Projected Start Date: July of 2014

Projected End Date: August of 2014

Estimated Cost: Approximately \$30,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions: Excavation activities associated with the project may generate fugitive dust emissions. Reasonable precautions (water, dust suppressant chemicals, etc.) would be taken to prevent dust from becoming airborne during excavation.

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.

Disturbing Cultural or Biological Resources: Excavation activities would be performed for the proposed action. Modifications to the ground surface within existing fenced facilities is exempt from cultural resource review ("INL [Idaho National Laboratory] Cultural Resource Management Plan" Table 2, exemption 9 [Department of Energy Idaho Operations Office (DOE/ID)-10997 rev. 5]). All activities under this exemption are subject to INL Stop Work Authority should cultural resources be unexpectedly encountered.

TRA-641 is eligible for nomination to the National Register of Historic Places. The activities described in the project description are exempted from cultural resource review ("INL Cultural Resource Management Plan" Table 2, exemption 2 [DOE/ID-10997 rev. 5]). Therefore, the project could proceed as described without further cultural resource review.

Generating and Managing Waste: Typical construction debris waste such as wood, wire, block wall, scrap metal piping/conduit, packaging material, etc., would be generated during the project. Hazardous waste is not anticipated, however there is a potential for generating hazardous waste from adhesives, paints or chemical spills. Any switches that are removed would be evaluated (mercury switches) and managed appropriately. Polychlorinated Biphenyls (PCBs) and lead may be encountered in items painted prior to 1980. All waste would be characterized and dispositioned at the direction of Waste Generator Services (WGS).

Releasing Contaminants: Typical Construction chemicals such as fuels, adhesives, lubricants, paints, etc., would be used on the project. The Subcontractor would submit all chemicals and associated Material Safety Data Sheets (MSDS's) in the vendor data system for approval. The Construction Chemical Coordinator would track these chemicals in the INL Comply Plus Chemical Management System. Chemical use has a potential for small amounts of air emission and spills. Any spills that occur from these chemicals will be reported to the Spill Notification Team and will be cleaned up by the subcontractor.

PCB contamination is not anticipated, however, contamination control methods may be required if disturbing surfaces painted prior to 1980.

Using, Reusing, and Conserving Natural Resources: All materials would be reused and 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 (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>). In addition, the project will 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.

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SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXx) 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 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 Code of Federal Regulation (CFR) 1021, Appendix B to Subpart D item B1.7 "Electronic equipment"

Justification: Project activities in this Environmental Checklist (EC) are consistent with 10 CFR 1021 Appendix B to Subpart D, Categorical Exclusion B1.7 "Acquisition, installation, operation, modification, and removal of electricity transmission control and monitoring devices for grid demand and response, communication systems, data processing equipment, and similar electronic equipment."

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: 7/10/2014