

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Advanced Test Reactor (ATR) Complex Camera Tower Installation

SECTION B. Project Description:

Install new 30 foot tall camera tower with 6 foot square concrete mounting base in the northwest corner of the ATR perimeter in the perimeter isolation zone as part of the facility surveillance equipment. Use a combination of surface run conduits and buried duct banks to provide connections to existing power and communications. In the other three corners of the ATR perimeter perform similar work of providing buried duct banks to provide connections to existing communications (no new camera tower required). Includes approximately 270 feet of trench work, 2 feet deep, and excavation of a camera tower base 6 foot square and 4 foot deep. Excavation spoils would be placed back in the trench or evenly spread in the same area.

Projected start date: May of 2014

Projected end date: September of 2014

Estimated Cost: \$200,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions: Trenching and excavation activities associated with the project may generate fugitive dust emission. Reasonable precautions (water, dust suppressant chemicals, etc.) would be taken to prevent dust from becoming airborne during construction. This is in accordance with the methods specified in the Rules for the Control of Air Pollution in Idaho (Idaho Administrative Procedures Act [IDAPA] 58.01.01.650-651). The date, time, location, and amount/type of suppressant must be recorded to demonstrate compliance with the Idaho National Laboratory (INL) Title V Air Permit. Mobile/portable combustion engines not subject to air permitting for boring/pulling may be used during this activity.

Disturbing Cultural or Biological Resources: Trenching and excavating activities would be performed. Cultural and Biological resources are not expected to be encountered during this activity. If objects of potential archaeological or historical significance (e.g., arrowheads, flints, bones, etc.) are encountered, the project would discontinue disturbance in the area and contact Environmental Support and Services [Alicia Tavera (533-4341), Jenifer Nordstrom (526-8119)] and/or the Cultural Resources Office [Brenda Pace (526-0916), Hollie Gilbert (6-2189), Julie Williams (526-0926)].

Generating and Managing Waste: No hazardous, radioactive, or nanoparticle waste is expected to be generated during this activity. The proposed action could generate small amounts of industrial waste. All waste generated during would be transferred to Waste Generator Services (WGS) for proper disposition.

Releasing Contaminants: All chemicals would be managed in accordance with laboratory procedures. To minimize the potential impact of contaminant release, project personnel would use non-hazardous chemical substitutes in the place of hazardous chemicals as long as the non-hazardous substitutes meet the requirements/specifications of the requester. Project personnel would apply spill prevention/minimization measures during chemical use and storage and will reference Affirmative Procurement (Management Control Procedure [MCP]-592) as guidance to procure appropriate chemicals.

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, or are non-toxic or less-toxic alternatives.

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 projects checked above as "CX" (Categorical Exclusion) 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 which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

References: 10 CFR 1021, Appendix B to subpart D, item 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 surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water

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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 Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 5/22/2014