

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: National Cybersecurity and Communications Integration Center (NCCIC)/Industrial Control Systems Cyber Emergency Response Team (ICS-CERT) Idaho High Frequency (HF) Shared Resources (SHARES) Station

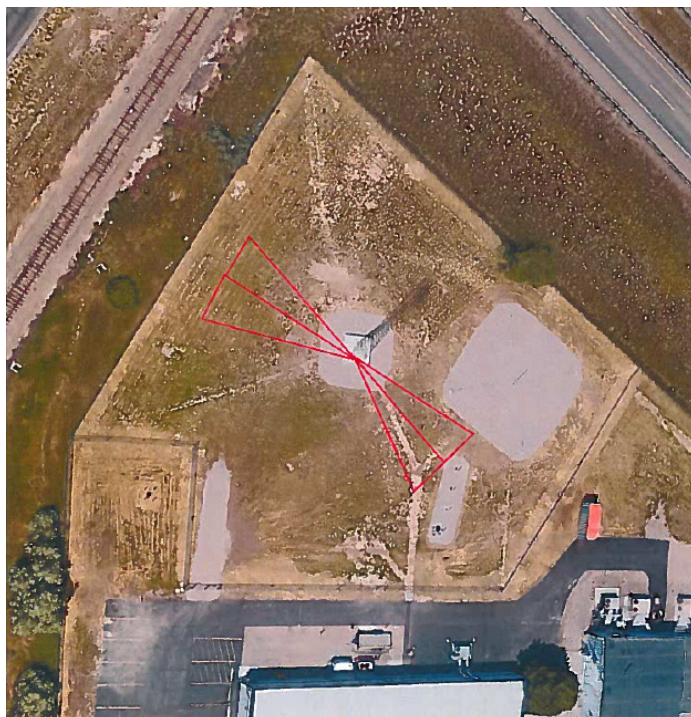
SECTION B. Project Description and Purpose:

The purpose of this Environmental Checklist (EC) is to install a new antenna on the 100' tower and antenna infrastructure at the National Cybersecurity and Communications Integration Center (NCCIC)/Industrial Control Systems Cyber Emergency Response Team (ICS-CERT) Idaho High Frequency (HF) Shared Resources (SHARES) Station at the Idaho National Laboratory (INL) that is located behind the Systems Analysis Facility (SAF; Idaho Falls [IF]-627). The SHARES HF Radio Program provides means for users with a national security and emergency preparedness mission to communicate when landline and cellular communications are unavailable. SHARES members use HF radio resources to coordinate and transmit messages needed to perform critical functions, including those areas related to leadership, safety, maintenance of law and order, finance, and public health.

The new antenna is a 150' L X 45' W wire antenna. This will be mounted approximately 70' H on the existing tower. Weight of the antenna is less than 40 lb. Antenna install will require six (6) grounding stakes (<12" penetration) to be installed in antenna field. Installation options are depicted in Figures 1 and 2.

Figures 1 and 2. Proposed Location/Orientation(s) of New Antenna Install onto 100' Tower at the SAF Bldg.





The new antenna installation is scheduled to be performed during May-June 2016.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Construction activities have the potential to generate fugitive dust as well as small quantities of welding fumes.

Disturbing Cultural or Biological Resources

The proposed action has the potential to disturb nesting birds during maintenance activities on the antenna. Additionally, the towers and associated equipment may pose a hazard to birds.

Generating and Managing Waste

Construction and maintenance activities are expected to generate a variety of Industrial waste streams, ranging from scrap metal to solvent wipes, and general construction waste. Routine operations are expected to generate small amounts of common trash.

Releasing Contaminants

Typical construction chemicals such as lubricants, fuels, adhesives, etc., would be used by the subcontractor.

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. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. 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 (see <https://sftool.gov/GreenProcurement>).

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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: 10 CFR 1021, Appendix B to Subpart D, B1.19 "Microwave, meteorological, and radio towers."

Justification: The proposed action is consistent with categorical exclusion B1.19 "Siting, construction, modification, operation, and removal of microwave, radio communication, and meteorological towers and associated facilities, provided that the towers and associated facilities would not be in a governmentally designated scenic area (see B(4)(iv) of Appendix B) unless otherwise authorized by the appropriate governmental entity."

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: 5/11/2016