

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Project Title: Central Facilities Area (CF)-1611 Emergency Communication Center Electrical Reconfiguration

SECTION B. Project Description and Purpose:

The purpose of the proposed action is to improve power system reliability at Central Facilities Area (CFA) building 1611 (CF-1611) in order to meet code requirements. The proposed project would reconfigure the electrical setup in the CF-1611 Fire Station so that there is some redundancy with the system. This work would separate essential and non-essential loads. This reconfiguration would include installation of new transformers, panels, receptacles, transfer switches, cable, conduit and wire.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Generating and Managing Waste

Scrap conduit, wire, cable, packaging material, etc., will be generated during the project. Scrap metal will be diverted from landfill disposal and recycled where practical. Any circuit boards or electronics with solders will be sent out as Resource Conservation and Recovery Act (RCRA) scrap metal through Waste Generator Services (WGS). All waste will be characterized and disposed at the direction of WGS.

Releasing Contaminants

Typical construction chemicals such as wire pulling lubricant, fuels, adhesives, etc., will be used on the project. The subcontractor will submit a chemical inventory list via vendor data with associated Safety Data Sheets (SDS's). The Construction Chemical Coordinator will track these chemicals in the Idaho National Laboratory (INL) Comply Plus Chemical Management System.

Using, Reusing, and Conserving Natural Resources

Scrap metal such as conduit, wire, and cable will be diverted from landfill disposal and recycled where practical.

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, B2.5 "Facility safety and environmental improvements"

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, B2.5 "Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements include, but are not limited to, replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground and belowground tanks and related piping, provided that there is no evidence of leakage, based on testing in accordance with applicable requirements (such as 40 CFR part 265, "Interim Status Standards for Owners and Operators Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR part 280, "Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks"). These actions do not include rebuilding or modifying substantial portions of a facility (such as replacing a reactor vessel)."

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: 11/6/2015