

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### SECTION A. Project Title: MFC-711 Substation Removal and Power Redistribution

### SECTION B. Project Description and Purpose:

The MFC-711 substation was installed primarily as a source of power for the Sodium Process Facility, which has been decommissioned. This project will remove the substation and re-feed the operational facilities that are currently fed from that power source, including buildings TR-51, MFC-770B, MFC-771, MFC-793, MFC-798, and MFC-1740.

Removal of the MFC-711 substation and redistribution of power will address voltage drop concerns, improve arc-flash safety concerns, avoid the expense of upgrading obsolescent, inefficient old equipment, restore footprint for future growth options, and reduce north-west facility outages during system maintenance and modifications.

MFC-711 substation work includes removal of a 13.8kV to 480/277V transformer (installed in 1996) and power panel PP110. Power will be re-fed through two sectionalizer switches and four 138V to 480/277V transformers to supply power to buildings TR-51, MFC-770B, MFC-771, MFC-793, MFC-798, and MFC-1740.

Estimated Start Date: March, 2019

Estimated End Date: July, 2019

Approximate Cost: \$500,000

### SECTION C. Environmental Aspects or Potential Sources of Impact:

#### Air Emissions

Fugitive dust may be generated while removing the existing concrete pad and blading the surrounding area to match contours. All reasonable precautions would be used to control fugitive particulate matter from becoming airborne. If dust control measures are required, the subcontractor would document the method used and frequency of application in their daily logbooks. Copies of these logbooks would be used to document compliance.

#### Generating and Managing Waste

Typical construction waste such as concrete, rock, soil, empty marking paint cans, plastic, etc. would be generated during the project. All waste would be characterized and disposed at the direction of Waste Generator Services (WGS).

#### Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, marking paint, etc. may be used during the project. All chemicals would be included on the subcontractors chemical inventory list and be tracked in the Comply Plus Chemical Management System by the Construction Chemical Coordinator.

Transformer dielectric fluid may need to be transferred to drums for transportation purposes or recycled as used oil if the transformer is destined for scrap metal. The transformer oil has never contained PCB's as it was manufactured post 1979.

### 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, B4.10, "Removal of electric transmission facilities"

**Justification:** Project activities are consistent with 10 CFR 1021, Appendix B to Subpart D item B4.10, "Deactivation, dismantling, and removal of electric transmission facilities (including, but not limited to, electric powerlines, substations, and switching stations) and abandonment and restoration of rights-of-way (including, but not limited to, associated access roads).

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)

Yes  No

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Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 10/31/2018