

DOE-ID NEPA CX DETERMINATION Idaho National Laboratory

SECTION A. Project Title: TREAT Upgrade 721, 721A, and 724 EDS Power Feed

SECTION B. Project Description and Purpose:

The power feed to MFC-724/721 is provided from 3 50KVA pole mounted transformers by Harrison Blvd. Project plans on removing the pole mounted transformers and routing the power to a new pad mounted transformer and panels behind MFC-724. This work will involve removing three existing poles from the southwest side of Harrison Blvd and replacing them with three new poles on the northeast side of Harrison Blvd. A trench approximately 2 feet deep approximately 50 feet in length will be dug from the transformer pole to the road where it continues under the road. Trenching will meet up with new poles approximately 50 feet on the other side of Harrison Blvd. Power can then be run to the new pad behind MFC-724. All areas have been previously disturbed from recent construction activities (i.e., TREAT fire line project, TREAT lightning protection system, and TREAT road upgrade). Minor amounts of construction debris will be generated including four telephone poles.

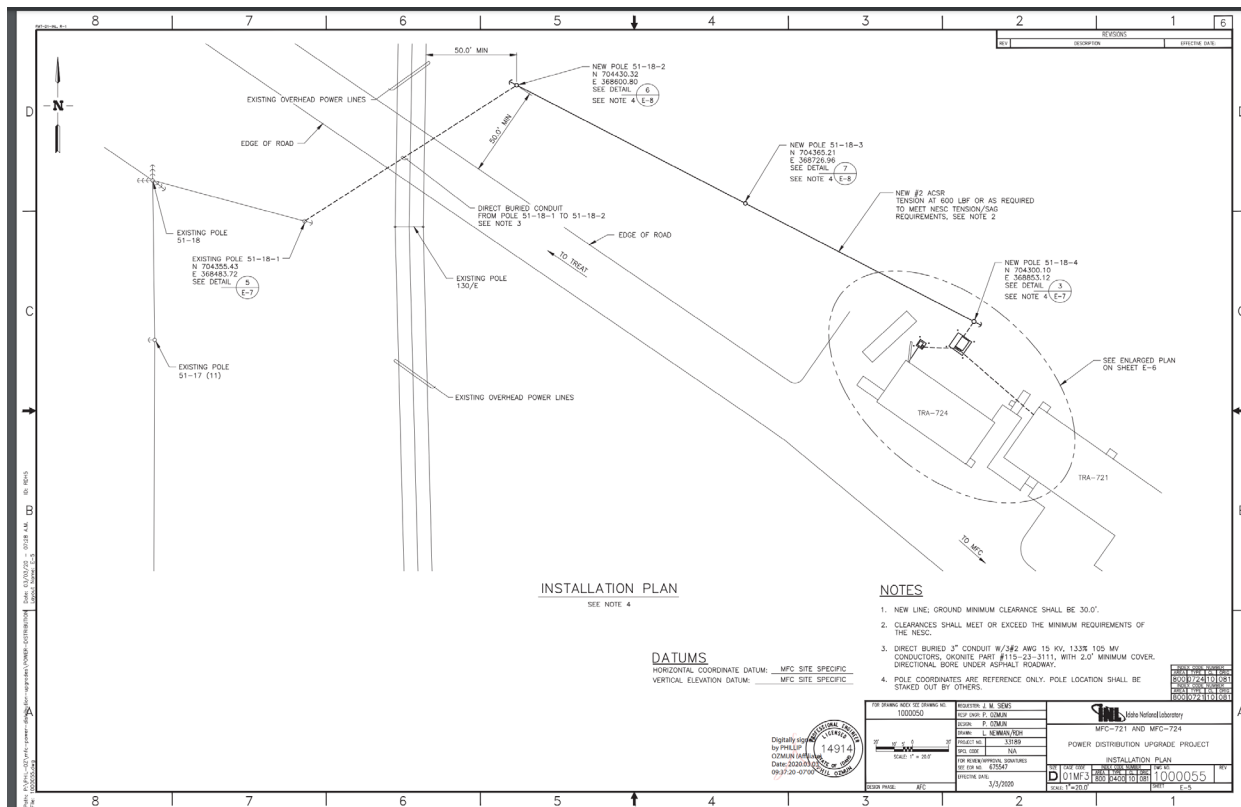


Figure 1. Installation plans for TREAT EDS Power Feed.

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SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Generating fugitive dust from trenching and boring activities

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

Trenching and boring activities as the potential to disturb cultural and biological resources. Please refer to BEA-22—57CRR.

There is the potential for this work to impact vegetation and for project personnel to interact with various wildlife species. A Biological Resource Review will be arranged within two weeks of the initiation of any activities that might disturb soil or vegetation as well as following project activities. A nesting bird survey is included with the Biological Resource Review for actions occurring between April 1 and October 1 per compliance with the Migratory Bird Treaty Act.

Generating and Managing Waste

Small amounts of construction debris will be generated including 4 used power poles

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil)." and in "Project-Specific Instructions

Using, Reusing, and Conserving Natural Resources

All opportunities to engage in sustainable acquisition practices will be taken.

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:

National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B2.5 "Facility safety and environmental improvements."

Justification:

The proposed activities are consistent with CX 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 or 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 265, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR 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 Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 09/21/2022