

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### SECTION A. Project Title: Installation of Emergency Generator for TAN-1617

### SECTION B. Project Description and Purpose:

The purpose of the project is to upgrade the power distribution system in TAN-1617 to include optional emergency power. A new emergency diesel generator will be installed on the north side of the facility (see image) to provide backup power to panel LP-1617-01 (re-labeled SLP-1617-01). This panel serves all 208V and 120V loads in the facility. The project will also change the restroom and fire rise room heaters to 208V units that will be powered from SLP-1617-1 to reduce freezing risks. The project will also add a restroom fan.

In addition, the work scope also involves the following:

- Excavation for a duct bank and concrete equipment pad placement
- Asphalt installation once duct bank is placed

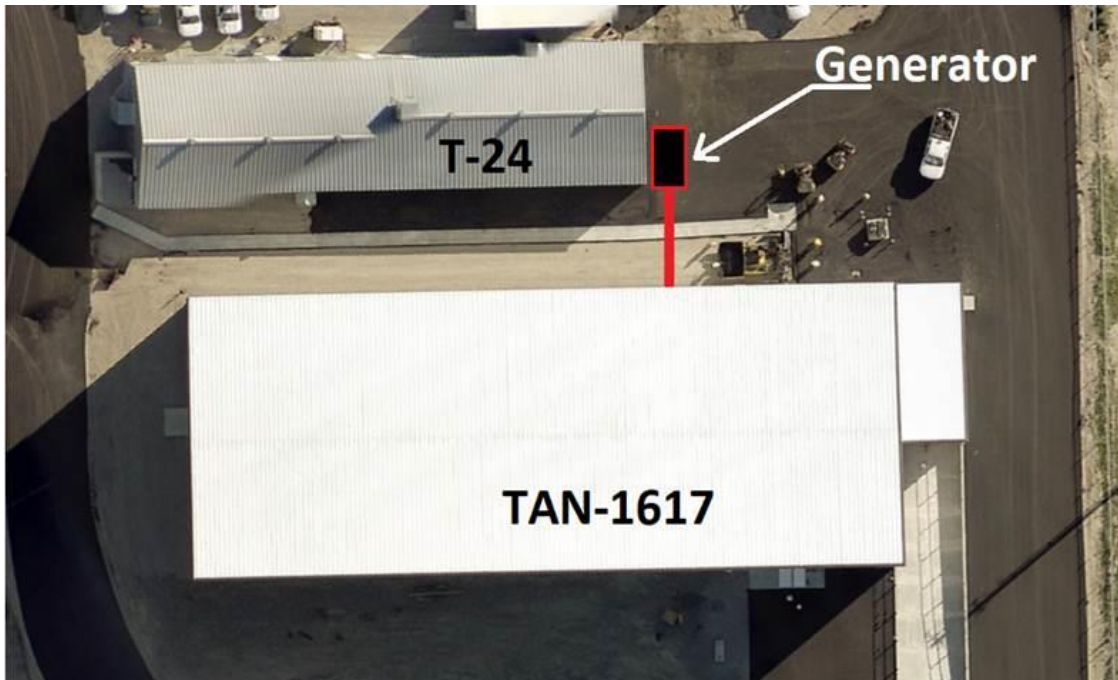


Figure 1: Location of generator for TAN-1617

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

#### Air Emissions

Fugitive dust and emissions from mobile equipment may be generated during excavation activities.

The non-road diesel generator is based on a Generac SD040 (40 KW) diesel generator with a 24 hour subbase tank for emergency power.

#### Discharging to Surface-, Storm-, or Ground Water

N/A

#### Disturbing Cultural or Biological Resources

Soil disturbance will be on previously disturbed facility fenced areas and improved grounds and has low potential to disturb Cultural or Biological resources.

In order to satisfy the Section 106 requirements under the National Historic Preservation Act (NHPA), the completion of a CRR is in-progress and will be provided to project management and retained in the CRMO under project number BEA-20-111.

#### Generating and Managing Waste

The proposed action will generate industrial waste such as concrete, scrap metal/wire, packaging material, etc. Hazardous waste from typical construction activities could also be generated.

#### Releasing Contaminants

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Typical construction chemicals such as fuels, lubricants, adhesives, etc. will be used. Although not anticipated, there is a potential for spills when using chemicals or fueling equipment. In the event of a spill, notify facility Environmental Staff. If the Environmental Staff cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

**Using, Reusing, and Conserving Natural Resources**

All applicable waste would be diverted from disposal in the landfill when possible. Program personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The program 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, and are non-toxic or less-toxic alternatives.

**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, B1.31 "Installation or Relocation of Machinery and Equipment".

**Justification:** B1.31 "Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)       Yes     No

Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 5/19/2020