

DOE-ID NEPA CX DETERMINATION
Environmental Checklist

SECTION A. Project Description: Remote Closure Switch for Test Reactor Area (TRA)-786 Output Breaker

SECTION B. Project Description: .

The TRA-786 diesel generator output breaker has a high arc flash calculation that requires the operator to use heavy, cumbersome personal protective equipment (PPE) when closing the breaker. This breaker is located in the doorway of a trailer that is approximately 5 feet off the ground. There is a risk of the operator tripping and falling out of the trailer, or of an arc flash "blowing" the operator out of the trailer. Eliminating this risk by installing a remote closure switch for the breaker, outside of the trailer, is necessary. A second emergency stop button for the generator will also be installed near the remote breaker closure switch.

Projected Start Date: August of 2014
Projected End Date: September of 2014
Estimated Cost: Approximately \$10,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Generating and Managing Waste - The proposed activity would generate scrap metal and industrial waste. Project personnel will contact Waste Generator Services (WGS) to identify waste streams, handling, storage, and disposal requirements. Pollution Prevention/Waste Minimization will be incorporated where economically practical. All waste generated will be transferred to the WGS organization for appropriate disposition.

Using, Reusing, and Conserving Natural Resources - All applicable waste would be diverted from disposal in the landfill when possible. Project personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project 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. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>).

SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the applicable categorical exclusion from 10 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 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 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 item B2.5, "Facility safety and environmental improvements."

Justification: The proposed action is consistent with 10 CFR 1021, Appendix B to Subpart D categorical exclusion 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 part 265, "Interim Status Standards for Owners and Operators of 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: 7/7/2014