



National Nuclear Security Administration Categorical Exclusion Determination Form



NEPA ID#: HEDLP 15-001-001

Proposed Action Title: Reactivation of Building 23-119, LOTO Training Facility (NV-2017-046)

Program or Field Office: Nevada Field Office

Location(s) (City/County/State): Nevada National Security Site (NNSS), Nye County NV

Proposed Action Description:

Building 23-119 is located in Area 23 (Mercury) at the Nevada National Security Site (NNSS). This building was originally used in the 1950's as a warehouse and then as a cable test facility which was deactivated in the early '90s. It is currently not being used and is unoccupied.

Plans are under way to reactivate Building 23-119 by Operations and Infrastructure, to be used as a training facility. This would include developing a hazardous energy control training and evaluation facility to provide practical hands-on demonstration of Lockout/Tagout (LOTO), Switching Orders and Clearance use in a simulated, low hazard environment. Users would demonstrate the ability to identify potential hazardous energy, conduct and/or verify absence of energy testing and follow LOTO procedures appropriate for the level of work they perform. Training would emphasize the importance of field walk-downs, attention to detail, and stopping when the field situation does not match drawings or expectations. Use of equipment and conditions commonly found in the field is critical for this to be effective. Training props would be installed both inside and around the facility for use for LOTO training. One of the props would include a non-operational diesel generator that would be stationed outside of the building. Additional props inside the building, both free standing and attached, could include wall mounted electrical panels and disconnects providing less than 50 volts to non-functional equipment. Other electrical equipment props include pumps, shop tools such as a band saw and drill press, and battery or other simulated electrical systems. Operation and LOTO effectiveness would be demonstrated using low voltage indicator lights mounted on the props, not by equipment running. Limited piping systems would be installed to interior surfaces and in a new half wall. All piping would be provided with less than 15 psi compressed air to simulate process piping for lockout/tagout such as water, steam or compressed gases. External props may be configured to give the appearance of extending underground, but no trenching or actual connections would be used.

Upgrades to the facility would include installation 208V three phase electrical power to the facility, upgrade to LED lighting and replacement of the old heat pump unit. Hantavirus clean-up would be conducted, rodent contaminated insulation would be replaced and holes would be sealed to prevent rodent entry. The floor would be painted to help control odors. A portable 120 volt air compressor would supply air to the piping system props. Penetration of the facility wall would be needed to supply power.

All activities would take place in Mercury, in previously disturbed areas.

Categorical Exclusion(s) Applied:

10 CFR 1021: B1.15 Support Facilities

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions including the full text of each categorical exclusion, see Subpart D of 10 CFR 1021. Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion.

Based on my review of information conveyed to me and in my possession concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action and that other-regulatory requirements set forth above are met. Therefore, the application of a categorical exclusion is appropriate.

NEPA Compliance Officer: Carrie Stewart

Date Determined: June 27, 2017