



National Nuclear Security Administration Categorical Exclusion Determination Form



NEPA ID#: HEDLP 15-001-001

Proposed Action Title: BREN Tower Demolition (NV-2012-024)

Program or Field Office: Nevada Field Office

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

Proposed Action Description:

The purpose of this project is to complete demolition of BREN Tower in Area 25 of the Nevada National Security Site (NNSS). Demolition and subsequent size reduction and salvaging of debris will be performed by DEMCO, Inc. under NSTec Contract 99969. The scope of work includes providing all technical services, supervision, labor, materials, and equipment necessary to plan and execute a controlled explosive demolition of the BREN Tower.

Pre-demolition work will include grading of a temporary access road near the tower, establishing a command post to manage the explosive activities, and isolating incoming power. A fall zone and safety zone will be established that will protect the existing control bunker, substation and other structures that will remain and are near the tower.

Demolition work will consist of collapsing the tower by controlled explosive charges set on one leg of the tower and one of the guy wire lanes. These charges should cause the tower to fall in a northeast direction near the new access road. Less than 100 pounds of explosives will be used. Details of the controlled drop and information on the explosives used will be addressed in the explosives plan.

Post-demolition work will include radiologic surveys of tower debris, some size reduction of clean debris, and removal of the clean debris for recycling. Any debris above radiologic release limits will be identified and separated for onsite disposal. Utilities and other structures will be returned to pre-demolition status.

Bren tower was designated as a historic site so coordination with and approval by SHPO was necessary before demolition. Tortoise surveys will also be conducted for the site as required.

Categorical Exclusion(s) Applied:

8 1 .23 - Demolition and disposal of buildings/structures

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: Linda Cohn

Date Determined: 5/7/2012