

National Environmental Policy Act (NEPA) Categorical Exclusion (CX) Determination

A. **SSO NEPA Control #: SS-SC-12-01**

B. **Brief Description of Proposed Action:**

SLAC is proposing to upgrade existing Building 040 (Central Lab) to meet current seismic requirements. The single-story Building 040A was originally added to Building 040 without consideration of the irregularity created by the building addition and a seismic separation is now required to turn them into two separate buildings. This proposed action would include installing two steel plates at the Building 040A roof, cutting a 4-inch separation near Building 040, adding shear walls down below and reconfiguring office space in the one-story area. The cutting will only include the roof slab and the end walls. The corridor will be reconfigured to be seismically isolated from Building 040. All utilities will also have a seismic joint installed that extends between Building 040 and Building 040A. Building 040 is 45 years old and is not identified as historic based on the *Draft SLAC Historic Resource Study* submitted by DOE to the State Historic Preservation Office in October 2011 and consistent with the requirements of Section 106 of the National Historic Preservation Act.

C. **Categorical Exclusion Applied (Number and Title):**

B2.5 Safety and environmental improvements of a facility, including 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 may 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 if there is no evidence of leakage, based on testing that meets performance requirements in 40 CFR Part 280, Subpart D (40 CFR Part 280.40). This includes activities taken under RCRA, Subtitle I; 40 CFR Part 265, Subpart J; 40 CFR Part 280, Subparts B, C, and D; and other applicable state, Federal and local requirements for underground storage tanks. These actions do not include rebuilding or modifying substantial portions of a facility, such as replacing a reactor vessel.

D. Regulatory Requirements in 10 CFR 1021.410 (b)

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

For classes of actions listed in Appendix B, the following conditions are integral elements; i.e., to fit within a class, a proposal must not:

- a. Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health or similar requirements of DOE or Executive Orders;
 - b. Require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities;
 - c. 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; or
 - d. Have the potential to cause significant impacts on environmentally sensitive resources including, but not limited to, those listed in paragraph B.(4)) of 10CFR 1021, Subpart D, Appendix B;
 - e. Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.
2. There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal; and
 3. The proposal is not “connected” to other actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

E. Determination:

Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

SIGNATURE ON FILE

1-27-12

Dave Osugi

Date

NEPA Coordinator
SLAC Site Office

Based on my review of information conveyed to me and in my possession (or attached) 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 of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

SIGNATURE ON FILE

1-27-12

Gary S. Hartman
SC NEPA Compliance Officer
Integrated Support Center, Oak Ridge Office

Date

SSO File: DOE O 451.1B