

# LLNL CATEGORICAL EXCLUSION DETERMINATION FORM

<b>ESPM LOG NO:</b> ESH-EFA-NEPA-17-14477	<b>NNSA/LFO LOG NO:</b> NA-17-01
<b>1. PROJECT/ACTIVITY TITLE:</b> Building 231 Applied Materials and Engineering (AME) Capabilities Consolidation Portfolio	<b>DATE:</b> April 2017
<p><b>2. PROJECT DESCRIPTION:</b>            Building 231 (B231) is a substandard 60-year-old facility which has a large maintenance backlog. The beryllium contaminated facility, per a study done in 2009, does not meet seismic safety standards. In the event of an earthquake, the facility is expected to have very poor to extremely poor seismic performance. DOE/NNSA need is to gradually relocate existing laboratory support operations from B231 to other similar suitable locations at LLNL. This project would enact a series of partial moves to migrate operations out of B231, either into existing buildings, or into portions of one replacement office building and three (3) small replacement light-science and industry (LSI) laboratories in the 2200 block of LLNL Livermore Site, an area previously occupied by the old chemistry building, Building 222, which was demolished in 2004. The existing buildings receiving operations from B231 may require remodeling activities (such as upgrades to electrical, lighting, HVAC, surveillance, fire detection, etc.). Seismic evaluations of receiving facilities may also be conducted, as needed. In order to resolve any concerns pertaining to cumulative impact, NNSA has elected to analyze the potential environmental impacts of all these small relocation projects as one action. This action does not present individual or cumulative significant effect on the environment; and there are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the action.</p> <p>The new buildings would be constructed over a five to seven year period as funding allows. These buildings would be pre-engineered and would meet all applicable LSI construction, safety, energy efficiency, and environmental regulatory requirements. The size of the three new laboratories would be approximately 8,000 ft<sup>2</sup> to 12,000 ft<sup>2</sup> each. The new office building would be approximately 20,000 ft<sup>2</sup>. The hazards and environmental impacts of operating the activities now conducted in Building 231 within the three new laboratory buildings would be no greater than those existing currently, and would continue to be consistent with those described in the 2005 LLNL Sitewide Environmental Impact Statement (SWEIS). Exterior portions of the new facilities would include utility yards containing mechanical and electrical equipment. Construction of all new buildings would include grading, excavating, and installing underground utilities for electrical power, potable water, sewer, drainage, telephone, data, fire sprinkler, and associated alarms. Construction would include installation of driveways, parking spaces, and sidewalks for access, as needed. Any waste generated from construction and relocation activities would be handled according to existing LLNL procedures and waste management practices.</p> <p>After migration of operations, B231 would be managed in a safe mode so that the building environmental systems, such as ventilation and HEPA filters, would continue to be maintained and operated as necessary to avoid any significant environmental consequences. Any future modification, demolition, or removal of building components and structures, as well as any eventual site cleanup actions, would be considered under separate NEPA analysis.</p>	
<p><b>3. Categorical Exclusion(s) Applied:</b>            B1.15 Siting, construction or modification of support buildings and support structures within or contiguous to an already developed area.</p>	

\*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR 10.21

This action would not: threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive Orders; require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities; 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 adversely affect environmentally sensitive resources (including but not limited to those listed in paragraph B.(4)) of Appendix B to Subpart D of 10 CFR 1021). Furthermore, there are no extraordinary circumstances related to this action that may affect the significance of the environmental effects of the action; this action is not "connected" to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

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(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer:

Date Determined:


