

# LLNL CATEGORICAL EXCLUSION DETERMINATION FORM

<b>ESPM LOG NO:</b> ESH-EFA-NEPA-21-20814	<b>NNSA/LFO LOG NO:</b> NA-3-21
<b>1. PROJECT/ACTIVITY TITLE:</b> LLNL Offsite Training Activities	<b>DATE:</b> May 20, 2021
<p><b>2. PROJECT DESCRIPTION:</b></p> <p>Lawrence Livermore National Laboratory (LLNL) radiological support operations may include, when requested by the Department of Energy (DOE), other US government agencies, or state and local government, support of onsite and offsite activities or events. LLNL also provides support and guidance nationally and internationally for emergency assessments in response to chemical, nuclear, and biological incidents, joining with other similar teams across the DOE complex. This support may include participating in training, challenging existing installations, collaborating, practice exercises, and responding as necessary with federal, state, and local agencies to assist in emergency preparedness and emergency response.</p> <p>Offsite training activities could include detection/identification of hidden radiation sources in realistic scenarios and settings under continuous observation and control of knowledgeable LLNL personnel. These activities would be conducted in a controlled manner at various locations, including governmental, private, and public locations. Potential impacts resulting from offsite training activities could include worker exposure to electrical, low-level radiological, and transportation hazards. However, work activities would be performed in accordance with federal and state regulations, and the personnel safety exposures to radiological sources would be maintained as low as reasonably achievable. Additionally, offsite transport of sealed sources would be performed in accordance with Department of Transportation regulations, as well as LLNL procedures, including the Transportation Safety Manual.</p> <p>Title 10, Code of Federal Regulations (CFR), Part 835 (10 CFR 835) establishes radiation protection standards, limits, and program requirements for protecting workers from ionizing radiation resulting from the conduct of DOE activities, and it requires DOE contractors to develop and maintain a DOE-approved Radiation Protection Program (RPP). DOE Order 458.1 establishes requirements to protect the public and the environment against undue risk from radiation associated with DOE conducted radiological activities. Radiological doses at the Livermore Site and Site 300, as well as for offsite DOE/NNSA directed activities, are reported in the LLNL Site Annual Environmental Report Annual (SAER). Radiological doses generated by these operations are consistently found to be well below the applicable standards for radiation protection of the public.</p> <p><b>3. Categorical Exclusion(s) Applied:</b></p> <p>B1.2 Training exercises and simulations: Training exercises and simulations (including, but not limited to, firing-range training, small-scale and short-duration force-on-force exercises, emergency response training, fire fighter and rescue training, and decontamination and spill cleanup training) conducted under appropriately controlled conditions and in accordance with applicable requirements.</p> <p>B3.11 Outdoor tests and experiments on materials and equipment components: Outdoor tests and experiments for the development, quality assurance, or reliability of materials and equipment (including, but not limited to, weapon system components) under controlled conditions. Covered actions include, but are not limited to, burn tests (such as tests of electric cable fire resistance or the combustion characteristics of fuels), impact tests (such as pneumatic ejector tests using earthen embankments or concrete slabs designated and routinely used for that purpose), or drop, puncture, water-immersion, or thermal tests. Covered actions would not involve source, special nuclear, or byproduct materials, except encapsulated sources manufactured to applicable standards that contain source, special nuclear, or byproduct materials may be used for nondestructive actions such as detector/sensor development and testing and first responder field training.</p>	

\*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR 1021

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: