



# National Nuclear Security Administration Categorical Exclusion Determination Form



NEPA ID#: HEDLP 15-001-001

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Proposed Action Title: Livermore Operations Site

Program or Field Office: Nevada Field Office

Location(s) (City/County/State): Livermore, CA

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Proposed Action Description:

Livermore Operations (LO) is under the applicable Maintenance and Operations Contractor (M&O) for the Nevada National Security Site (NNSS). LO is an applied-science and engineering organization engaged in research, diagnostic and instrumentation conceptualization, development, engineering, testing, calibration/ characterization, fielding, and data review/analysis that support Test and Experimentation for Mission Execution.

LO occupies a one-story leased building located at 161 South Vasco Road in Livermore, California. There is no basement/underground. The LO facility consists of administrative and technical personnel who perform work in this facility.

Site and Administration

This department provides business support services to the technical staff of LO. These include administrative, clerical, facilities preventative and corrective maintenance, shipping/receiving, property, information technology (IT), telecommunications, human resources, procurement, and security. Maintenance staff are exposed to dust when working with sheetrock materials, vinyl coated floor tiles, and drilling into concrete foundation for anchoring equipment. Minor brazing of copper tubing, welding, grinding, cutting, and soldering all occur.

Technical Laboratories

Circuit board component level soldering is performed. Solvents are used to clean optics. Liquid nitrogen is used to cool detectors in the High Energy X-ray Lab and Advanced Sensor Development Lab. Some detector development that is associated with phosphor deposition uses Cadmium as a main constituent. Sealed radioactive sources are used in the calibration of diagnostics. Beryllium is used as a filter/fluorescer on the X-ray sources.

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Categorical Exclusion(s) Applied:

10 CFR 1021: B.3-6 Small scale research and development, laboratory operations, and pilot projects

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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: 12/14/2017