

LLNL CATEGORICAL EXCLUSION DETERMINATION FORM

ESPM LOG NO: 16-13540	NNSA/LFO LOG NO: NA-16-01
1. PROJECT/ACTIVITY TITLE: Livermore Site HVAC Modernization	DATE: February 2016
2. PROJECT DESCRIPTION: <p>The purpose of the proposed action is to modernize existing antiquated HVAC system controls and associated equipment with a site-wide direct digital controls (DDC) system. DOE/NNSA and LLNL have a need for HVAC systems to work reliably and efficiently in facilities that contain precision equipment or require temperature sensitive areas for mission support and critical operations.</p> <p>The proposed project would involve replacing existing antiquated HVAC systems where the controls are difficult to troubleshoot and/or direct replacement parts are not available. HVAC systems are typically chilled water systems with air conditioning units, but cooling towers may also be associated with the control updates. Existing DDC panels would be demolished and replaced with new DDC panels that would be part of a LLNL site-wide DDC controls system. New ducting or other HVAC system modifications would not be required in facilities that have relatively new equipment. However, some HVAC systems may require upgrades in addition to the new controls including air conditioning units, fans, variable air volume and variable frequency drives, HEPA filters, air handling units and ducting associated with the equipment.</p> <p>All equipment removed at any facility as a result of the proposed project would be either recycled or taken for appropriate disposal in accordance with LLNL procedures.</p>	
3. Categorical Exclusion(s) Applied: B1.3 Routine maintenance B1.4 Air Conditioning systems for existing equipment B1.11 Fencing	

*-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:

KC King

2/29/16