LLNL CATEGORICAL EXCLUSION DETERMINATION FORM

ESPD LOG NO: ESH-EFA-NEPA-14-6526	**NNSA/LSO LOG NO:** 14-01
1. PROJECT/ACTIVITY TITLE: Vessel Burst Test, Site 300, Lawrence Livermore National Laboratory (LLNL)	**DATE:**

2. PROJECT DESCRIPTION:

LLNL proposes to test-to-failure 4'diameter by 10' length fiber-wound composite vessels using water. The vessel would contain 500 gallons of de-chlorinated water and be pressurized to approximately 7000 psi using compressed air. The vessel would be located in an outdoors disturbed dirt area that provides physical barriers on three-sides and personnel would be located inside B854A during the test to maximize safety. At failure, it is anticipated that the vessel would split, small pieces of fiber would be released as small shrapnel-type materials, and the water would be released and quickly absorbed into the dirt area

3. Categorical Exclusion(s) Applied:

B3.11 *Outdoor tests and experiments on materials and equipment components*

*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR10 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: Kevin King

Date Determined: 6/3/14