



U.S. Department of Energy Categorical Exclusion Determination Form

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Proposed Action Title: Vibration Test Study at the Preferred Site for the Construction and Operation of the NNSA Albuquerque Complex Project, New Mexico (SFO16-0003)

Program or Field Office: Sandia Field Office

Location(s) (City/County/State): Albuquerque, New Mexico

Proposed Action Description:

The purpose for DOE/NNSA action is to measure the vibration generated at a site-specific location from typical construction processes used in excavation, compaction and backfill. This engineering data would inform the design for the siting, construction, and mitigations required to build and operate the proposed NNSA Albuquerque Complex Project, New Mexico.

The preferred location for the Albuquerque Complex is on DOE-owned property north of the entrance to Kirtland AFB on Eubank Boulevard. Directly to the south is the Center for Integrated Nanotechnologies (CINT), Sandia National Laboratory/New Mexico, which uses instruments that are highly sensitive to vibration.

A test trench would be excavated south of the CINT facility. Vibration monitors would be located on the project site and inside the CINT facility. Vibratory rollers would be operated in the trench at frequencies used during compaction operations. The results of the vibration monitoring would include the vibration range measured during test trench excavation, compaction and backfill activities.

Categorical Exclusion(s) Applied:

B3.1 - Site characterization and environmental monitoring

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 Part 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.
To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.
- 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. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

Based on my review of 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: **Karen L. Oden**

Digitally signed by Karen L. Oden
DN: cn=Karen L. Oden, o=U.S. Department of Energy, ou=Energy IT
Services, ou=DOE Common Operating Environment, ou=People, email=karen.l.oden@hq.doe.gov
Date: 2016.10.11 16:55:46 -0500

Date Determined: