



U.S. Department of Energy
Categorical Exclusion Determination

Proposed Action Title: Test House Residential Lease LB-CX-13-05

Program or Field Office: Berkeley Site Office

Location(s) (City/County/State): House Leased by Lawrence Berkeley National Laboratory Berkeley, California

Proposed Action Description:

The Department of Energy (DOE) proposes that Lawrence Berkeley National Laboratory (LBNL) shall-research low-energy mechanical ventilation and filtration systems aimed at reducing interior occupant exposures to indoor and outdoor generated pollutants. This project would lease a single family detached house and install, operate, and test various above-named systems. The project location would have elevated levels of outdoor air pollutants, including fine particulate matter, ozone and roadway-related air pollutants. The project is anticipated to begin in 2013 and continue through 2015.

Description of Affected Environment:

Single-family, detached house.

Purpose and Need:

LBNL has a research contract with the California Air Resources Board to investigate the use of low-energy mechanical ventilation and filtration systems to reduce indoor exposures to incoming outdoor pollutants and indoor generated pollutants.

Categorical Exclusion(s) Applied:

- B1.24 - Property transfers
- B1.4 - Air conditioning systems for existing equipment
- B3.6 - Small-scale research and development, laboratory operations, and pilot projects

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.

I concur that the above description accurately describes the proposed action

LBNL Environmental Planner: Jeff Philliber /s/ Date Determined: 4-18-13

I concur that the above description accurately describes the proposed action.

BSO Project Manager: Rick Chapman /s/ Date Determined: 4/18/13

The above description accurately describes the proposed action, which reflects the requirements of the CX cited above. Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

BSO NEPA Program Manager: Kim Abbott /s/ Date Determined: 4/18/13

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1 B), 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: /s/ Date Determined: 4/19/2013