

**NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)**  
**RECORD OF CATEGORICAL EXCLUSION DETERMINATION**

**A. Brief Description of Proposed Action:**

The proposed action would permit small-scale research that supports the Brookhaven National Laboratory mission through funding sources both within the Department of Energy and “work for others” type operations. Small-scale experimentation would include, but not be limited to, cancer treatment research, polymer and catalyst development, environmental remediation techniques, environmental and climate sciences studies, micromachining, structural biology, radiation chemistry, optics and detector development, cell culture, biofuels research, DNA sequencing and gene expression, protein crystallization, energy storage/battery research, and nanoscale materials research. Research activities may also include the irradiation of these materials by ionizing and/or non-ionizing radiation. They may also include the production of radioisotopes for medical imaging and chemical synthesis.

**Number and Title of the Categorical Exclusion Being Applied:**

B3.6 Small-scale research and development, laboratory operations, and pilot projects

B3.15 Small-scale indoor research and development projects using nanoscale materials

**B. Regulatory Requirements in 10 CFR 1021.410 (b): (See full text in regulation.)**

A. The proposed action fits within a class of actions that is listed in Appendix A or B to Subpart D.

For classes of actions listed in Appendix B, the following conditions are integral elements; i.e., to fit within a class, the proposal must not:

- A. Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety and health, including DOE and/or Executive Orders;
- B. Require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities;
- C. 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

D. Adversely affect environmentally sensitive resources (including but not limited to those listed in paragraph B.(4)).

B. There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal; and

C. The proposal is not “connected” to other actions with potentially significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

**C. Determination:**

Based on my review of information conveyed to me and in my possession concerning the proposed action, as NEPA Compliance Officer, I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

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**Signature**  
**NEPA Compliance Officer, Brookhaven Site Office**

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**Date**