RL-721
REV 5

NEPA REVIEW SCREENING FORM

Document ID Number:
DOE/CX-00068 Rev 1

I. Project Title:

Categorical Exclusion for PNNL Projects involving small-scale research and development, laboratory operations, and pilot projects in the 300 Area - 2013

II. Project Description and Location (including Time Period over which proposed action will occur and Project Dimensions - e.g., acres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.):

PNNL proposes to conduct 1)bench-scale research projects, 2) conventional laboratory operations, 3) small-scale R&D projects, and 4) pilot projects to verify proof of concepts before demonstration actions (generally for less than 2 years) in the 300 Area. The facilities associated with these projects must provide appropriate safety systems, exhaust ventilation, air filtration, and other confinement or control appropriate to the nature of the materials and equipment used in the operation. Activities include, but are not limited to, the following: sample and standards prep, routine management of laboratory reagents and materials; chemical, physical, and/or biological analysis of samples of environmental media, wastes, products, or other materials; treatability studies; radiation-monitoring equipment calibration, maintenance, characterization, or verification; radiological separations studies, neutron activation, and other radiological research; shielded facilities operation and use of sealed sources in research and testing; simulant development and testing; waste-form modeling and life-cycle testing; use of specialized sampling and analytical equipment and instrumentation such as mass and infrared spectrometers, lasers, transmission and scanning electron microscopes, and nuclear magnetic resonance spectrometers; thermoanalytical research and testing techniques; carbon management research and development; robotics and automation research and development; transportation technology research and development; industrial process efficiencies and energy utilization research; fuels/bio-fuels development and testing; bio-based product research, testing and development; imaging technology research and development; catalysis research and development; laboratory fisheries and other aquatic research; energy research and technology development, diagnostics and controls; purchase/use of analytical/research instruments and equipment for bench-scale use; minor modifications to rooms, equipment, and instruments if in direct support of bench-scale, small-scale R&D, or pilot project laboratory operations.

Associated activities may include noise, air emission, liquid effluent, and waste generation. These will be managed accordance to and in compliance with DOE orders, and Federal, and state regulations and guidelines. In all instances, the demand for resources and environmental impacts resulting from implementation of these proposed activities would be small and temporary in nature.

III. Reviews (if applicable):

Biological Review Report #: Biological Reports will be prepared for projects, as necessary.

Cultural Review Report #: Cultural Reports will be prepared for projects, as necessary.

Additional Attachments:

IV. Existing NEPA Documentation	YES	NO
Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?	☐	☒

If "NO," proceed to Section V. If "YES," List EA, EIS, or CERCLA Document(s) Title and Number:

And then complete Section VI. Provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information only. DOE NCO signature is not required.

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NEPA REVIEW SCREENING FORM (continued)

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V. Categorical Exclusion	YES	NO
Does the proposed action fall within a class of actions that is listed in Appendixes A or B to Subpart D of 10 CFR Part 1021?	☒	☐
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	☐	☒
Is the proposal connected to other actions with potentially significant impacts or result in cumulatively significant impacts (not precluded by 40 CFR 1506.1 or 10 CFR 1021.211)?	☐	☒

List CX to be applied and complete Categorical Exclusion Integral Elements (where an action might fit within multiple CXs, use the CX that best fits the proposed action):

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

Categorical Exclusion Integral Elements	YES	NO
Does the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, or health, including DOE and/or Executive Orders?	☐	☒
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	☐	☒
Does the proposed action 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?	☐	☒
Does the proposed action adversely affect environmentally sensitive resources?	☐	☒
Does the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species such that the action is NOT contained or confined in a manner designed, operated, and conducted in accordance to applicable requirements to prevent unauthorized release into the environment?	☐	☒

If "NO" to all Categorical Exclusion Integral Elements questions above, complete Section VI, and provide to DOE NCO for final Approval/ Determination and signature in Section VII.

If "YES" to any of the Categorical Exclusion Integral Elements questions above, contact DOE NCO for additional NEPA Review.

VI. Responsible Contractor Signatures

	Name (Printed)	Signature	Date
Initiator	J. Amanda Stegen		5/1/13
Cognizant Environmental Compliance Officer			

VII. Approval/Determination

DOE NEPA Compliance Officer: Cliff Clark

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 of action:

NCO Determination - ☒ CX ☒ EA ☐ EIS

Signature: Clifford C. Clark Date: 6/13/2013