RL-721
REV 4

NEPA REVIEW SCREENING FORM

Document ID Number: DOE/CX-00067

I. Project Title:

PNNL Microbiological and Biomedical Research Projects in the 300 Area -- April 2012-April 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 microbiological and biomedical research projects at the 318, 325, 331, and 350 Facilities to support general research areas such as:
-molecular level understanding of physical, chemical and biological processes that underlie environmental remediation, biomolecular systems, waste management, and human health effects
-diagnostic and therapeutic products that focus on early detection and targeted deliveries
-novel instrumentation, computational modeling, and simulation
-technology, bioinformatics, and systems management, for example, to improve health care delivery
-beneficial use of bioelectromagnetics, biotoxicology, radiopharmaceuticals, and medical isotopes
-basic and applied research involving proteins, cells, and proteomics.
The proposed action would also include:
-modifying existing facilities as necessary (where active utilities and currently used roads are readily accessible), if in direct support of microbiological or biomedical research operations
-buying, installing, using, and eventually removing equipment and instrumentation, if in direct support of microbiological or biomedical research operations
-moving equipment and instrumentation from one laboratory or facility to another, if in direct support of microbiological or biomedical research operations.
The proposed activities would be limited to activities that can be conducted under Biosafety Levels 1 and 2; activities that involve Biosafety Levels 3 or 4 would require additional NEPA review. In addition, research must be conducted in facilities with environmental and safety systems appropriate to the work. If animal subjects are involved, the Institutional Animal Care and Use Committee must approve the research proposal. If human subjects (or human blood, plasma, DNA, etc.) are involved, the Institutional Review Board must approve the research proposal.

III. Reviews (if applicable):

Biological Review Report #:

Cultural Review Report #:

Additional Attachments:

Biological and cultural resource reviews would be obtained as necessary to support facility modification activities.

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.

RL-721
REV 4

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):

B3.12, Microbiological and Biomedical Research Operations

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		7/13/2012
Cognizant Environmental Compliance Officer			

VII. Approval/Determination

DOE NEPA Compliance Officer: Woody Russell

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: Woody Russell Date: 8/1/12