

RL-721
REV 3

NEPA REVIEW SCREENING FORM

Document ID Number:

DOE/CX-00043

I. Project Title:

331 Aquatic Research Laboratory Upgrade at the 331 Building, 300 Area, Benton County, Washington

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, etc.):

Pacific Northwest National Laboratory (PNNL) proposes to upgrade the existing Aquatics Research Laboratory in the 331 Building, in the 300 Area of the Hanford Site, Benton County, Washington. A new 5,200 square foot enclosed space will be constructed over the footprint of an existing open-air facility presently used for raising spring and fall Chinook salmon. The function of the facility will not change after the upgrade. The proposed upgrade is located on the south side of the 331 Building between two parking areas. To the east is a paved and landscaped parking lot and to the west is a paved parking area and loading dock. The proposed enclosed facility will be approximately 65 feet (19.8 meters) wide by 80 feet (24.4 meters) long and will be connected to the 331 Building.

In November 2011, the project proposes to confirm the depth of utility lines and tie in points for the project using a hydro vacuum excavator. This work will result in up to 32 potholes placed directly over buried utility lines within the area of disturbance created when the lines were originally installed. The location and number of the potholes will be determined using ground penetrating radar (GPR) and/or construction drawings. The potholes are not expected to exceed 12 feet in vertical depth or 4 feet in diameter. Most will be 4 to 6 feet deep and less than 2 feet in diameter.

In early spring 2012, upgrading the facility will be initiated by removing the existing fish tanks, and excavating/grading/preparing the area for building construction.

A Hanford Site Excavation Permit (DAN12-0010) has been developed and is routing for approval for the first activity.

III. Reviews (if applicable):

Biological Review Report #: ECR# 2011-300-031

Cultural Review Report #: HCRC # 2011-300-031

Additional Attachments:

IV. Existing NEPA Documentation (see Steps 3 and 4 of Contractor Screening Process)

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 VII and provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process).

V. Sitewide Categorical Exclusion (see Step 5 of Contractor Screening Process)

YES NO

Does the proposed action fit within the scope of actions identified in a DOE Hanford NCO-approved sitewide categorical exclusion?

If "NO," proceed to Section VI.

If "YES," list Sitewide Categorical Exclusion to be applied and complete Sitewide Categorical Exclusion Criteria:

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| Sitewide Categorical Exclusion Criteria | | | YES NO |
| Does the action fail to meet the eligibility requirements for Appendix B categorical exclusion ("integral elements") of 10 CFR 1021, Subpart D, Appendix B, B(1) through B(4)? | | | <input type="checkbox"/> <input type="checkbox"/> |
| Is the action connected to other actions with potentially significant impacts (see 40 CFR 1508.25(a)(1)) or result in cumulatively significant impacts (see 40 CFR 1508.25(a)(2))? | | | <input type="checkbox"/> <input type="checkbox"/> |
| Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? | | | <input type="checkbox"/> <input type="checkbox"/> |
| Does the action involve or disturb the Hanford Reach National Monument, Rattlesnake Mountain, Gable Mountain, Gable Butte or other Traditional Cultural Properties or properties of historic, archaeological or architectural significance, or occur within one-fourth mile of the Columbia River? | | | <input type="checkbox"/> <input type="checkbox"/> |
| Does the proposed action impact sensitive species or their habitats? | | | <input type="checkbox"/> <input type="checkbox"/> |
| If "NO" to all Sitewide Categorical Exclusion Criteria questions above, complete Section VII and provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process). | | | |
| If "YES" to any of the Sitewide Categorical Exclusion Criteria questions above, attach appropriate explanatory information and provide NRSF to DOE NCO; DOE initiates DOE NEPA Review Screening Process - Step 1 by completing Section VI and VIII, as appropriate. | | | |
| VI. 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? | | | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| List CX to be applied and complete Categorical Exclusion Criteria (based on Eligibility Criteria of the NEPA Determination Procedure): | | | |
| <i>B3.6 Small-scale research and development, laboratory operations, and pilot projects</i> | | | |
| Categorical Exclusion Criteria | | | 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? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 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? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Does the proposed action adversely affect environmentally sensitive resources? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 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)? | | | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| If "NO" to all Categorical Exclusion Criteria questions above, DOE NCO completes Section VIII, provides electronic copy of signed NRSF to contractor, and otherwise complies with Step 4 of the DOE NEPA Review Screening Process - Step 1. | | | |
| If "YES" to any of the Categorical Exclusion Criteria questions above, DOE NCO complies with Step 5 of the DOE NEPA Review Screening Process - Step 1, and initiates DOE NEPA Review Screening Process - Step 2. | | | |
| VII. Approvals/Determination | | | |
| | Name (Printed) | Signature | Date |
| Initiator | Drew Akker | <i>Drew Akker</i> | <i>11/1/11</i> |
| Cognizant Environmental Compliance Officer | Amanda Stegen | <i>Amanda Stegen</i> | <i>11/2/11</i> |
| VIII. Approval/Determination | | | |
| DOE NEPA Compliance Officer: <u>Woody Russell</u> | | | |
| 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 - <input checked="" type="checkbox"/> CX <input type="checkbox"/> EA <input type="checkbox"/> EIS | | | |
| Signature: <u><i>Woody Russell</i></u> | | Date: <u><i>11/15/2011</i></u> | |