**I. Project Title:**

Project Z-064, Waste Sampling and Characterization Facility Heating, Ventilation, and Air Conditioning System Upgrade

**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.):**

The Waste Sampling and Characterization Facility (WSCF) is an analytical laboratory located between the 200 East and 200 West Areas of the Hanford Site along Route 3. The WSCF North Laboratory utilizes a distributed system for controlling and monitoring equipment and building conditions, including the heating, ventilation, and air conditioning (HVAC) system. The HVAC system is based on an old and obsolete Robert Shaw DMS 350A control architecture. The HVAC system has exceeded its design life and requires upgrading to support the continuing mission of the laboratory.

The HVAC system control and monitoring instrumentation requires "in-kind" replacement with state-of-the-art components. This includes replacement of damper positioners, pressure transmitters, and damper limit switches. The HVAC system is unreliable and spare parts are no longer commercially available.

It is expected that this work will be conducted over the next 6 months. All work will be conducted on the interior of the laboratory in previously disturbed or developed areas. The existing HVAC system duct work and exhaust fans will be utilized and are not part of the proposed upgrades. The work focuses primarily on "in-kind" replacement of HVAC system monitoring equipment hardware and associated control software. No Ozone Depleting Substances (ODS) or other hazardous constituents will be encountered as a result of the proposed HVAC system upgrades.

The proposed action is addressed by 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion (CX) B2.1, "Workplace Enhancements." This CX covers "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction)."

This NEPA determination is for application of an Activity-Specific CX to a project-related action that is non-routine and non-recurring in nature.

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<tr>
<th>III. Reviews (if applicable):</th>
<th>YES</th>
<th>NO</th>
</tr>
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<tbody>
<tr>
<td>Biological Review Report #:</td>
<td>Not required if not &quot;List 1&quot; activity per CERR clearance criteria.*</td>
<td></td>
</tr>
<tr>
<td>Cultural Review Report #:</td>
<td>Not required if not &quot;List 1&quot; activity per CERR clearance criteria.*</td>
<td></td>
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<tr>
<td>Additional Attachments:</td>
<td>&quot;Exemption per MSA &quot;Criteria for Determining Need for Cultural and Ecological Resources Review (CERR) and Clearance - Guidance for Environmental Compliance Officers&quot;</td>
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<th>IV. Existing NEPA Documentation</th>
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<td>Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?</td>
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If "NO," proceed to Section V. If "YES," List EA, EIS, or CERCLA Document(s) Title and Number:

Not Applicable

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.
V. Categorical Exclusion

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?

☐ YES ☐ NO

Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?

☐ YES ☐ NO

Is the proposal connected to other actions with potentially significant impacts or result in cumulatively significant impacts (not precluded by 40 CFR 1508.1 or 10 CFR 1021.211)?

☐ YES ☐ NO

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):

B2.1, "Workplace Enhancements"

Categorical Exclusion Integral Elements

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?

☐ YES ☐ NO

Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?

☐ YES ☐ NO

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?

☐ YES ☐ NO

Does the proposed action adversely affect environmentally sensitive resources?

☐ YES ☐ NO

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?

☐ YES ☐ NO

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

<table>
<thead>
<tr>
<th>Name (Printed)</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>Initiator</td>
<td>Jerry W. Cammann - NEPA SME</td>
<td>JW Cammann</td>
</tr>
<tr>
<td>Cognizant Environmental Compliance Officer</td>
<td>Mathison Mills</td>
<td>JW Cammann for</td>
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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: 9/5/12