

**NEPA REVIEW SCREENING FORM (NRSF) 3A**  
**Categorically Excluded Actions**

Document ID #:

DOE/CX-00197

**I. Project Title:**

Activity-Specific Categorical Exclusion for Project Z-267 to Replace the Sewer System at Mobile Office MO-409 in 200 West Area of the Hanford Site

**II. Describe the proposed action, including location, time period over which proposed action will occur, project dimension (e.g., acres displaced/disturbed, excavation length/depth), and area/location/number of buildings. Attach narratives, maps and drawings of proposed action. Describe existing environmental conditions and potential for environmental impacts from the proposed action. If the proposed action is not a project, describe the action or plan.**

The U.S. Department of Energy (DOE), Richland Operations Office (RL), Infrastructure and Services Division (ISD) proposes to replace the undersized sewer holding tank, lift station, and associated pipeline servicing mobile office MO-409 in 200 West Area of the Hanford Site. The MO-409 lift station discharges by gravity flow through an existing pipeline into the MO-291 lift station prior to permitted discharge to the 2607-W6 Large Onsite Sewage System (LOSS) septic tank and drain field, which are located south of 10th Street. The MO-409 lift station pump has stopped working.

The proposed project would allow ISD to meet current regulatory requirements, increase system capacity, and resolve electrical issues at MO-409 involving the existing lift station pump, vault, and control panel. A new holding tank, lift station, pump, controls, electrical service, and level indicating system would be installed at MO-409. The electrical components, controls, and level indicating system would be installed inside MO-409. The MO-409 lift station, pump, and holding tank would require an excavation measuring 31-feet long by 12-feet wide and up to 8-feet deep. Approximately 656-feet of existing sewer pipeline between the MO-409 and MO-291 lift stations would be replaced with pipeline up to 8-inches in diameter. Trenching to replace the sewer pipeline would be up to 5-feet wide and up to 8-feet deep. If there is sufficient elevation change for gravity flow, the MO-291 lift station may be bypassed and the pipeline from MO-409 would be tied-in to discharge directly to the 2607-W6 LOSS septic tank and drain field.

Access for construction activities would be provided using existing roads and other previously disturbed areas. Material staging and stockpiling would be located in previously disturbed areas. Figure 1 depicts the project area.

Ecological Resources Review (KSR432556). DOE-RL Ecological Monitoring and Environmental Surveillance (EM&ES) determined that an ecological resources review was not required for the proposed project. The project area and all project-related activities would occur entirely within a non-vegetated and routinely maintained graveled industrial area, which is considered a Level 0 habitat in the Hanford Biological Resources Management Plan (BRMP; DOE/RL-96-32, Revision 2). Level 0 habitats are managed to best support the ongoing waste management, environmental restoration, and technology development missions of the Hanford Site and no compensatory mitigation measures are required.

The potential exists for birds to nest within the project area on the ground, buildings, or equipment and the nesting season is typically from mid-March to mid-July. EM&ES would instruct project management to watch for nesting birds. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed within the project area, then project management would contact EM&ES to address the situation. EM&ES anticipates that no adverse impacts to ecological resources would occur from the proposed project.

Cultural Resources Review (HCRC-2017-200-052). DOE-RL Cultural and Historic Resources Program (CHRP) conducted a cultural resources review of the proposed project area on July 2, 2019. CHRP determined that all "National Historic Preservation Act" (NHPA) Section 106 requirements for the proposed undertaking have been previously met as documented in the "Cultural Resources Review for the Characterization of Waste Sites near S-Plant in the 200-WA-1 Operable Unit, 200 West Area of the Hanford Site, Benton County, Washington (HCRC-2017-200-052)." Project scope reviewed under this cultural resources review is pertinent to the proposed project and includes the installation of utilities, and staging and stockpiling of construction materials within the project area. DOE-RL approved the cultural resources review on March 15, 2018.

After consultation with the Washington State Historic Preservation Officer (SHPO, Department of Archaeology and Historic Preservation) and local Tribal leadership, DOE-RL would require project management to adhere to work controls to avoid impacts to cultural resources. CHRP would provide periodic work status updates to the consulting parties. Project management would be instructed to notify CHRP at least seven days prior to the beginning of project activities. CHRP would instruct

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project management to watch for cultural materials (bones, stone tools, mussel shell, cans, and bottles) during construction activities. If cultural materials were encountered, then work near the discovery would stop until a CHRP archaeologist has been contacted, the significance of the find assessed, appropriate Tribes notified, and if necessary, arrangements made for mitigation of the find. CHRP anticipates no adverse impacts to cultural resources would occur from the proposed project.

Sewer System Installation. The installer of the sewer system would be certified in accordance with WAC-246-272B-05000, "Installer Qualifications and Responsibilities." Sewer system design and construction would be performed in accordance with applicable requirements of WAC 246-272A, "Onsite Sewage Systems," WAC 246-272B, "Large Onsite Sewage System Regulations," and other applicable requirements. The sewer system would be operated, monitored, maintained, and permitted in accordance with regulations in WAC 246-272B.

Conclusion. The proposed project is covered by 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.26, "Small Water Treatment Facilities." Any changes to the proposed project would require review by the DOE-RL NEPA Compliance Officer.

**III. Existing Evaluations (Provide with NRSF to DOE NCO):**

**Ecological Review Report No. and Title:**

Memo, Service Ticket KSR-432556, "No Ecological Review Required", K. Cranna to E. Pennala, July 2, 2019.

**Cultural Review Report No. and Title:**

MSA-1902640, "Cultural Resource Clearance for Installation of a Replacement Sewer System at MO-409 in the 200 West Area of the Hanford Site, Benton County, Washington", HCRC-2017-200-052, July 3, 2019.

**Maps:**

Figure 1 - Project Z-267 Area of Potential Effects and Project Area Layout

**Other Attachments:**

N/A

**IV. List applicable CX(s) from Appendix B to Subpart D of 10 CFR 1021:**

B1.26, "Small Water Treatment Facilities"

**V. Integral Elements and Extraordinary Circumstances (See 10 CFR 1021, Subpart D, B. Conditions that are Integral Elements of the Class of Actions in Appendix B; and 10 CFR 1021.410(b)(2) under Application of Categorical Exclusions)**

**Yes      No**

Are there extraordinary circumstances that may affect the significance of the environmental effects of the proposed action? If yes, describe them.  Yes       No

Is the proposed action connected to other actions with potentially significant impacts, or that could result in cumulatively significant impacts? If yes, describe them.  Yes       No

Would the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements related to the environment, safety, health, or similar requirements of DOE or Executive Orders?  Yes       No

Would the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?  Yes       No

Would the proposed action disturb hazardous substances, pollutants, contaminants, or natural gas products already in the environment such that there might be uncontrolled or unpermitted releases?  Yes       No

Would the proposed action have the potential to cause significant impacts on environmentally sensitive resources? See examples in Appendix B(4) to Subpart D of 10 CFR 1021.  Yes       No

Would 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 with applicable requirements to prevent unauthorized release into the environment?  Yes       No

If "No" to all questions above, complete Section VI, and provide NRSF and any attachments to DOE NCO for review.

If "Yes" to any of the questions above, contact DOE NCO for additional NEPA review.

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**VI. Responsible Organization's Signatures:**

**Initiator:**

Jerry W. Cammann, MSA/NEPA-SME  
*Print First and Last Name*

*Jerry W. Cammann*  
*Signature*

8/14/2019  
*Date*

**Cognizant Program/Project Representative:**

Douglas (Chris) Smith, DOE-RL/ISD  
*Print First and Last Name*

*D. Smith*  
*Signature*

8/14/2019  
*Date*

**VII. DOE NEPA Compliance Officer Approval/Determination:**

Based on my review of information conveyed to me concerning the proposed action, the proposed action fits within the specified

CX(s):  Yes  No

Diori L. Kreske, DOE-RL/NCO  
*Print First and Last Name*

*Diori Kreske*  
*Signature*

8/14/19  
*Date*

NCO Comments:

Figure 1. Project Z-267 Area of Potential Effects and Project Area Layout

