

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

Document ID #:
DOE/CX-00198

I. Project Title:

Activity-Specific Categorical Exclusion for Project Z-258 to Remove the 2607-E11 Lift Station and Install a Gravity Flow Sewer Pipeline

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 remove the 2607-E11 lift station at the Grout Dry Material Facility (GDMF) in 200 East Area of the Hanford Site and install a gravity flow sewer pipeline.

The 2607-E11 lift station receives wastewater from two trailers (MO-354 and MO-386) located at the GDMF. The 2607-E11 lift station functions improperly and exposes workers to electrical hazards. The proposed pipeline would discharge wastewater from MO-354 and MO-386 into the 2607-E1A Large Onsite Sewage System (LOSS), which is located on Baltimore Avenue, north of 4th Street, and operates under State of Washington Department of Health Permit HAN071.

The 2607-E11 lift station, vault, pump, and associated instrumentation would be removed by excavating an area measuring approximately 20-feet long by 20-feet wide and 15-feet deep. A second excavation measuring approximately 4-feet long by 4-feet wide and 15-feet deep would be required to cut and cap the existing sewer pipeline. Following cutting and capping both ends of this pipeline, it would be abandoned in-place in accordance with applicable regulations.

A trench measuring approximately 1,250-feet long by 4-feet wide and 9-feet deep would be excavated in a northwesterly direction from the GDMF and up to a 10-inch diameter pipeline would be installed and tied into the existing pipeline to discharge wastewater from MO-354 and MO-386 into the 2607-E1A LOSS. Figure 1 depicts the project area, which is approximately 4.8 acres.

All excavated areas would be backfilled with materials removed during excavation or available from local Hanford Site borrow pits. Areas disturbed during project activities would be revegetated, as discussed under Ecological Resources Review. Access to the project area would be through existing roads and other previously disturbed areas. Construction material staging and stockpiling would be located within previously disturbed areas.

ECOLOGICAL RESOURCES REVIEW (MSA-1902820-REISSUE, ECR-2019-222). DOE-RL Ecological Monitoring and Environmental Surveillance (EM&ES) surveyed the project area on July 17, 2019. Approximately 2.9 acres of the project area is comprised of highly disturbed non-vegetated areas including graveled parking areas and railroad tracks. These areas are classified as "Hanford Site Biological Resources Management Plan" (BRMP, DOE/RL-96-32, Revision 2) Level 0 habitats, which are managed to support Hanford Site missions and do not require compensatory mitigation.

A large portion (1.65 acres) of the remaining 1.9 acres of the project area is dominated by native and non-native shrubs, grasses, and forbs. These areas are classified as BRMP Level 2 habitats, which are managed for conservation and the avoidance/minimization of impacts. Compensatory mitigation for loss of BRMP Level 2 habitats exceeding 1.2 acres is at a replacement ratio of 1:1.

A small section (0.25 acres) of the project area overlaps an isolated stand of Big Sagebrush, which is a BRMP Level 3 habitat managed for conservation and avoidance/minimization of impacts. Compensatory mitigation for loss of BRMP Level 3 habitats exceeding 1.2 acres is at a replacement ratio of 3:1. While the total BRMP Level 3 habitat disturbed by the proposed project does not trigger compensatory mitigation, site rectification would be performed to restore disturbed areas. Project personnel would be directed by EM&ES to avoid impacts to Big Sagebrush and divert impacts to lower quality habitats to the extent possible.

BRMP Level 2 and 3 habitats disturbed by the proposed project would be replanted with locally derived, native plant species in accordance with the BRMP and "Hanford Site Revegetation Manual" (DOE/RL-2011-116, Revision 1), which provides species mix, planting rates, and planting methods.

Wildlife species observed during the ecological survey included several species of birds and small mammals. Birds can nest within the project area on the ground, buildings, or equipment and the

NEPA REVIEW SCREENING FORM 3A
Categorically Excluded Actions (Continued)

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DOE/CX-00198

nesting season is typically from mid-March to mid-July. EM&ES would instruct project personnel to watch for nesting birds. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed, project personnel would contact EM&ES to evaluate the situation. Project personnel would contact EM&ES to conduct a nesting bird survey before initiating any ground disturbing activities during the nesting season. EM&ES anticipates no adverse impacts of project activities on ecological resources.

CULTURAL RESOURCES REVIEW (MSA-1903121-R1, HCRC-2019-200-009). The proposed project has been reviewed under two Cultural Resource Reviews (CRR) by the DOE-RL Cultural and Historic Resources Program (CHRP). The majority of the project area was reviewed by CHRP under HCRC-2019-200-009, "CRR for the Installation of a New Gravity Wastewater Line in the 200 East Area of the Hanford Site, Benton County, Washington." Figure 2 depicts the areas covered by existing CRRs.

The CHRP sent an Area of Potential Effects (APE) notification to the Washington State Historic Preservation Office (SHPO) and Native American Tribes on April 15, 2019. The CHRP conducted a cultural resources survey on May 2, 2019. No cultural resources were identified during the survey. The CHRP transmitted a CRR, with a Finding of No Historic Properties Affected, to the SHPO and Native American Tribes for a 30-day comment period on June 26, 2019. The SHPO concurred with the findings of the CRR on July 1, 2019. The CHRP provided a notice of compliance with Section 106 of the "National Historic Preservation Act" (NHPA) for the proposed project on July 29, 2019.

NHPA Section 106 requirements for remaining portions of the project area were previously met as documented by CHRP in the "CRR for Project L-853 Sewage System Upgrades in the 200 East Area, Hanford Site, Benton County, Washington" (HCRC-2016-200-005). CHRP approved this assessment on September 16, 2016.

After CHRP consultation with the SHPO and Native American Tribes, it was agreed that work controls would be implemented to avoid impacts to cultural resources. Prior to backfilling the excavated trench for the new sewer pipeline, a Cultural Resource Monitor would inspect the trench for cultural material (mussel shell, bone, stone artifacts, burned rocks, charcoal, cans, and bottles). Project personnel would notify CHRP prior to the start of work to coordinate archaeological monitoring of the trench prior to backfilling. The Cultural Resource Monitor would meet, or work under the direct supervision of an archaeologist meeting, the Secretary of the Interior's Professional Qualification Standards in Archaeology. CHRP would prepare an archaeological monitoring report after completion of all project activities if any cultural materials were identified.

SEWER SYSTEM INSTALLATION. The installer of the sewer pipeline would be certified in accordance with WAC-246-272B-05000, "Installer Qualifications and Responsibilities." Sewer pipeline 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:

MSA-1902820-REISSUE, "Ecological Clearance Reissue for Project Z-258; Removal of the Existing 2607-E11 Lift Station and the Installation of a New Gravity Wastewater Pipeline in the 200 East Area, Hanford Site, (ECR-2019-222)," dated July 30, 2019.

Cultural Review Report No. and Title:

MSA-1903121-R1, "Cultural Resource Clearance for the Installation of a New Gravity Wastewater Line in the 200 East Area of the Hanford Site, Benton County, Washington, (HCRC-2019-200-009)," dated August 5, 2019.

Maps:

N/A

Other Attachments:

NEPA REVIEW SCREENING FORM 3A
Categorically Excluded Actions (Continued)

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Other Attachments:
 Figure 1 - Project Z-258 Pipeline Layout Diagram
 Figure 2 - Project Area and Area of Potential Effects

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.	<input type="radio"/>	<input checked="" type="radio"/>
Is the proposed action connected to other actions with potentially significant impacts, or that could result in cumulatively significant impacts? If yes, describe them.	<input type="radio"/>	<input checked="" type="radio"/>
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?	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<input type="radio"/>	<input checked="" type="radio"/>
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?	<input type="radio"/>	<input checked="" type="radio"/>
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.	<input type="radio"/>	<input checked="" type="radio"/>
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?	<input type="radio"/>	<input checked="" type="radio"/>

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.

VI. Responsible Organization's Signatures:

Initiator:

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


 Signature

8/14/2019
 Date

Cognizant Program/Project Representative:

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


 Signature

9/14/19
 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


 Signature

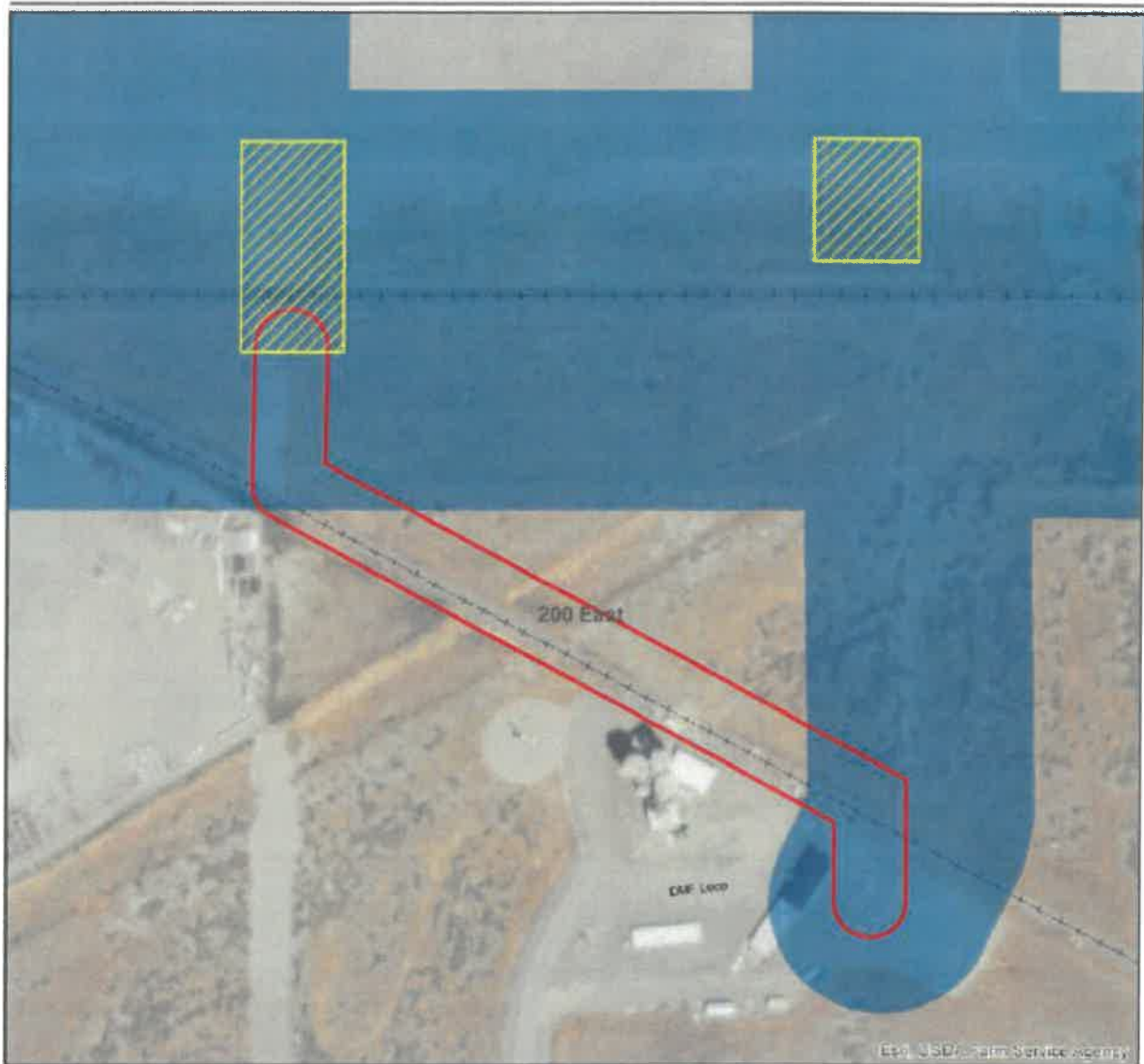
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NCO Comments:





Figure 1 – Project Z-258 Pipeline Layout Diagram



Figure 2 – Project Area and Area of Potential Effects



Legend

-  HCRC#2019-200-009 Additional Project Area
-  HCRC#2019-200-009 Area of Potential Effect (APE)
-  HCRC#2016-200-005 APE
-  Hanford Site Plant Railroad

Gable Butte, WA 7.5' USGS Quad
Township 12 N Range 26 E
Section 2



Aerial Imagery, 2017, NAIP



Project Areas
HCRC#2019-200-009
Hanford Site, Benton County, WA