

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

Document ID #:
DOE/CX-00202

I. Project Title:

Project Z-238, "Security Sensor Test Yard"

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), Security, Emergency Services & Information Division, proposes to construct a security sensor test yard in 200 East Area of the Hanford Site, directly west of the 212-H Building, in an area that is currently gravel and asphalt, and is routinely maintained (see Figure 1).

The proposed test yard would allow comparison and compatibility testing of wireless security sensor technologies, camera systems, robotics, and support personnel training. The proposed test yard would replicate environmental conditions (wind, precipitation, temperature) and equipment configurations typically found in perimeter intrusion detection assessment systems.

A 7-foot tall chain-link fence with 1-foot top guard of barbed wire measuring approximately 450-feet by 50-feet would be constructed with three detection zones, a simulated truck lock zone, sensor posts, and data gathering panels. Underground electrical conduit would be installed at a depth of approximately 6 to 12-inches to supply power. The ground surface within the test yard would be covered with 4 to 12-inches of gravel, excluding asphalt and concrete pad areas. An 8-foot wide asphalt pad would be installed under the sensor posts and a steel reinforced concrete pad measuring 50-feet by 29-feet would be constructed to simulate a truck lock.

Chemical and mechanical treatments would be applied to maintain working areas free of vegetation. A 30-foot wide non-vegetated buffer area would surround the perimeter fence for security and fire protection.

ECOLOGICAL RESOURCES REVIEW. DOE-RL Ecological Monitoring and Environmental Surveillance (EM&ES) surveyed the project area on June 27, 2019. The project area and all project-related activities would occur entirely within a non-vegetated, 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). BRMP Level 0 habitat is managed to best support ongoing Hanford Site missions and no compensatory mitigation would be required.

Birds can 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 personnel to watch for nesting birds. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed, then project personnel would contact EM&ES to evaluate the situation. No adverse ecological impacts are anticipated.

CULTURAL RESOURCES REVIEW. DOE-RL Cultural and Historic Resources Program (CHRP) conducted a Cultural Resources Review (CRR) of the proposed project. CHRP sent an Area of Potential Effects (APE) notification to the Washington State Historic Preservation Office (SHPO) and regional Tribes on April 15, 2019. CHRP Staff conducted a cultural resources survey on April 25, 2019 and no new cultural resources were identified. DOE-RL transmitted a CRR, with a finding of No Historic Properties Affected, to the SHPO and regional Tribes for a 30-day comment period on June 26, 2019. The SHPO concurred with the findings of the CRR on June 27, 2019. DOE-RL provided a notice of compliance with Section 106 of the National Historic Preservation Act for this project on August 5, 2019.

Project management would instruct workers to watch for cultural materials (bones, stone tools, artifacts, mussel shell, burned rocks, charcoal, stone flakes, arrowheads, cans, and bottles) during construction activities. If any 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 regional Tribes notified, and if necessary, arrangements made for mitigation of the find. CHRP anticipates no adverse cultural resource impacts.

Any changes to the proposed project would require review and approval by the DOE-RL NEPA Compliance Officer.

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

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

Ecological Review Report No. and Title:

Memo, Ecological Clearance Review, K. J. Cranna (MSA Ecological Monitoring & Environmental Surveillance) to D. C. Shaw (MSA Environmental Compliance & Sustainability), "One New Service Ticket - KSR000000427121 (Z-238)," dated June 27, 2019.

Cultural Review Report No. and Title:

Memo, MSA-1903266, A. P. Fergusson (MSA Cultural & Historic Resources Protection) to D. C. Shaw (MSA Environmental Compliance & Sustainability), "Cultural Resource Clearance for Cultural Resources Review Z-238 Installation of a Security Test Yard in the 200 Area of the Hanford Site, Benton County, Washington (HCRC#2019-200-012), dated August 8, 2019.

Maps:

N/A

Other Attachments:

Figure 1. Project Z-238 Construction Area and Area of Potential Effects

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

B3.11, Outdoor Tests and Experiments on Materials and Equipment Components

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
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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"/>
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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"/>
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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"/>
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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"/>
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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"/>
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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"/>
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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"/>
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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		10/10/2019
<small>Print First and Last Name</small>	<small>Signature</small>	<small>Date</small>

Cognizant Program/Project Representative:

Christopher P. Yaroch, DOE-RL/SESI		10/10/2019
<small>Print First and Last Name</small>	<small>Signature</small>	<small>Date</small>

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		10/10/19
<small>Print First and Last Name</small>	<small>Signature</small>	<small>Date</small>

NCO Comments:

Figure 1. Project Z-238 Construction Area and Area of Potential Effects



Legend

 Area of Potential Effect (APE) (14.77 acres)

Gable Butte, WA 7.5' USGS Quad
Township 12 N Range 26 E
Section 3

Aerial Imagery, 2017, NAIP.



Detail of Area of Potential Effect (APE)
HCRC#2019-200-012
Hanford Site, Benton County, WA

