

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

Document ID #:
DOE/CX-00201

I. Project Title:

Activity-Specific Categorical Exclusion for Projects L-907, L-908, and L-909 to Construct a Fleet Maintenance Complex, 200-East Area, 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 construct a Fleet Maintenance Complex (FMC) in the southwest corner of 200-East Area of the Hanford Site (see Figure 1). Existing fleet maintenance facilities are near the end of their design life. Frequent repair and replacement of major building system components significantly increases annual maintenance and operating costs. A modern FMC is needed for safe, efficient, cost effective, and regulatory-compliant maintenance of vehicles and equipment required for DOE's cleanup mission at the Hanford Site.

The FMC would be constructed using pre-engineered metal buildings with concrete foundations. The FMC would be located on 11-acres, approximately 1.2-acres of which would be dedicated to fleet maintenance shop structures. The remaining 9.8-acres would provide paved parking areas, storage units, access driveways, vegetative windbreaks, and storm water management (see Figure 2). An area within the FMC would be reserved for the possible future relocation of spray paint shops currently located in 200-East Area (Property Services in Building 2715EC) and 400 Area (Fleet Services in Building 4722C) of the Hanford Site.

The FMC would include the following projects:

Project L-907, FMC Site Development Design and Construction. This project would design and construct the utility infrastructure for:

- a 21,600 square-foot Auto/Truck Shop (Project L-908),
- a 30,900 square-foot Heavy Equipment Shop (Project L-909), and
- two associated 3,380 square-foot storage structures.

The FMC would replace existing facilities at 2711EA/EB, 211ED, 212ED, and partial use of mobile office MO414. Excavations to support construction activities and utility infrastructure tie-ins would reach a maximum depth of approximately 6-feet and would be up to 20-feet wide and 1,100-feet long.

Project L-908, Auto/Truck Shop and Storage Design and Construction. This project would design and construct a 21,600 square-foot Auto/Truck Shop and a 3,380 square-foot storage structure to replace the 2711EA/EB Building. The Auto/Truck Shop would include:

- 15 angled pull-in service bays, each measuring 20-feet wide by 30-feet long with a 30-feet wide central drive aisle,
- two oil change bays, each measuring 20-feet wide by 40-feet long with full-length basement pits and oil/lubricant delivery systems,
- one truck hoist bay, measuring 30-feet wide by 80-feet long, and
- several administrative areas.

Project L-909, Heavy Equipment Shop and Storage Design and Construction. This project would design and construct a 30,900 square-foot Heavy Equipment Shop and a 3,380 square-foot storage structure to replace 211ED and 212ED. The Heavy Equipment Shop would include:

- three heavy equipment bays, each measuring 30-feet wide by 80-feet long,
- one equipment wash bay, measuring 30-feet long by 80-feet wide,
- one truck hoist bay, measuring 30-feet wide by 80-feet long, which would be equipped with 10-ton and 25-ton bridge cranes, and
- a fabrication and welding bay, measuring 40-feet wide by 80-feet long to accommodate repair shops and welding/overhaul activities.

Access to the project area would be through existing roads and other previously disturbed areas. Staging and stockpiling areas would be located within the project area and would utilize

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

Document ID #:
DOE/CX-00201

previously disturbed areas to the extent practical.

ECOLOGICAL RESOURCES REVIEW (ECR-2019-238). DOE-RL Ecological Monitoring & Environmental Surveillance (EM&ES) surveyed the project area and issued an ecological clearance letter on September 11, 2019. The Hanford Site Biological Resource Management Plan (BRMP), which is the primary document for managing and protecting natural resources on the Hanford Site, ranks wildlife species and habitats based on levels of concern (Levels 0 through 5). The project area is previously disturbed and contains 10.97-acres of mid-successional native habitat, which is classified as a BRMP Level 2 habitat (see Figure 3). The overstory is dominated by native shrubs and the understory is dominated by native and invasive grasses. Wildlife observed in the project area include several species of birds, reptiles, and mammals. The management goal for BRMP Level 2 habitats is conservation and the preferred action is avoidance and/or minimization of impacts. Compensatory mitigation for the permanent loss of more than 1.2-acres of BRMP Level 2 habitat requires replacement at a 1:1 ratio. EM&ES would assist project personnel with the preparation of a project-specific mitigation plan, which would describe the type, amount, and location of mitigation measures.

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. Project personnel would contact EM&ES for a bird survey if ground-clearing activities occur during the nesting season. 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 within the project area, then project personnel would contact EM&ES to address the situation.

Disturbed land that is not needed for continued project use, access, or safety considerations would be replanted with locally derived native plant species. EM&ES anticipates no adverse impacts to ecological resources would occur from the proposed project.

CULTURAL RESOURCES REVIEW (HCRC-2019-200-015). The DOE-RL Cultural and Historic Resources Program (CHRP) conducted a cultural resources review (CRR) of the project area and issued a cultural resources clearance letter on September 12, 2019. CHRP sent an Area of Potential Effects (APE) notification to the Washington State Historic Preservation Office (SHPO) and regional Native American Tribes on June 3, 2019. CHRP conducted a cultural resources survey of the APE on June 25, 2019 (see Figure 4). No cultural resources were identified during the survey. CHRP transmitted a CRR, with a finding of No Historic Properties Affected, to the SHPO and regional Native American Tribes for a 30-day comment period on August 1, 2019. The SHPO concurred with the CRR findings on August 1, 2019. CHRP provided a notice of compliance with Section 106 of the National Historic Preservation Act (NHPA) for this project on September 11, 2019.

Although no impacts to cultural resources are anticipated, project personnel would watch for cultural materials (bones, stone artifacts, mussel shell, burned rocks, charcoal, cans, and bottles) in the project area. If cultural materials were encountered, then work near the discovery would stop until a CHRP archaeologist has been notified, the significance of the find assessed, appropriate regional Native American Tribes notified, and if necessary, arrangements made for mitigation of the find.

OTHER ENVIRONMENTAL CONSIDERATIONS. The FMC would be constructed in an area designated for "industrial-exclusive" land use in the Final Hanford Site Comprehensive Land Use Plan Environmental Impact Statement and Record of Decision (HCP-EIS/ROD, DOE/EIS-0222-F). FMC construction in this area would be consistent with the land use map, designations, policies, and procedures established in the HCP-EIS and ROD.

The FMC would be subject to WAC 173-303, "Dangerous Waste Regulations," which pertains to the management of universal waste; dangerous waste; spent refrigerants; used oil; transmission, steering, and brake fluids; lead acid batteries; antifreeze; and any other hazardous waste generated as a result of vehicle and equipment maintenance. The FMC would use aboveground storage tanks for used oil and other hazardous liquids to facilitate leak detection, containment, and recycling. The aboveground storage tanks would be designed, constructed, and operated in accordance with WAC 173-180-320, "Secondary Containment Requirements for Aboveground Storage Tanks." In addition, the aboveground storage tanks would have an operations and maintenance manual; spill prevention, control, and countermeasure plan; contingency plan; and be inspected as required by WAC 173-180, "Facility Oil Handling Standards," 40 CFR 279, "Standards for the Management of Used Oil," 40 CFR 112, "Oil Pollution Prevention" and other applicable regulations.

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

Document ID #:
 DOE/CX-00201

The FMC would be subject to the general standards for maximum emissions as required by WAC 173-400, "General Regulations for Air Pollution Sources." In addition, the requirements of WAC 173-491, "Emission Standards and Controls for Sources Emitting Gasoline Vapors," would apply to diffuse and fugitive emissions. Construction of the FMC would require an evaluation for new source review in accordance with WAC 173-400-110, "New Source Review for Sources and Portable Sources," and the possible need to submit a Notice of Construction (NOC) to the Washington State Department of Ecology to ensure state and federal air quality requirements are met.

The FMC sewer systems would be connected to existing pipelines that discharge to the 200 West Area Evaporative Sewage Lagoon or other permitted large onsite sewage system. The Washington State Department of Health (WDOH) would be contacted for approval of new septic systems, as required. If a new septic system were approved, then WAC 246-272B, "Large Onsite Sewage System Regulations," would apply and include a geotechnical engineering study, an engineering predesign submittal to the WDOH, and annual permit renewal.

State and local fire codes, building codes, and other safety codes would impose additional requirements on the FMC. Onsite excavation permits, hot work permits, and other applicable Hanford Site permits would be obtained in support of construction activities.

Project management, working in conjunction with DOE-RL/ISD, would obtain all required licenses, permits, and other approvals required for the siting, construction, and operation of the FMC.

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

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

Ecological Review Report No. and Title:

MSA-1903837, A.L. Johnson to D.C. Shaw, "Ecological Clearance for L-907, L-908, and L-909 Fleet Services Complex, Hanford Site, (ECR-2019-238)," dated September 11, 2019.

Cultural Review Report No. and Title:

MSA-1903886, A.P. Fergusson to D.C. Shaw, "Cultural Resource Clearance for Projects L-907, L-908, and L-909 Development of a Fleet Services Complex in the 200 East Area of the Hanford Site, Benton County, Washington (HCRC#2019-200-015)," dated September 12, 2019.

Maps:

N/A

Other Attachments:

- Figure 1. Location for Proposed Fleet Maintenance Complex in Southwest Corner of 200-East Area
- Figure 2. Conceptual Site Plan for Proposed Fleet Maintenance Complex
- Figure 3. Ecological Resources in the Project Area (ECR-2019-238)
- Figure 4. Cultural Resources Area of Potential Effects (HCRC-2019-200-015)

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

Document ID #:
 DOE/CX-00201

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

B1.15, "Support Buildings"

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

Jerry W Cammann
 Signature

9/26/2019
 Date

Cognizant Program/Project Representative:

Douglas H. Chapin, DOE-RL/ISD
 Print First and Last Name

Doug Chapin
 Signature

09/30/2019
 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

9/26/19
 Date

NCO Comments:

Figure 1. Location for Proposed Fleet Maintenance Complex in Southwest Corner of 200-East Area



Figure 2. Conceptual Site Plan for Proposed Fleet Maintenance Complex

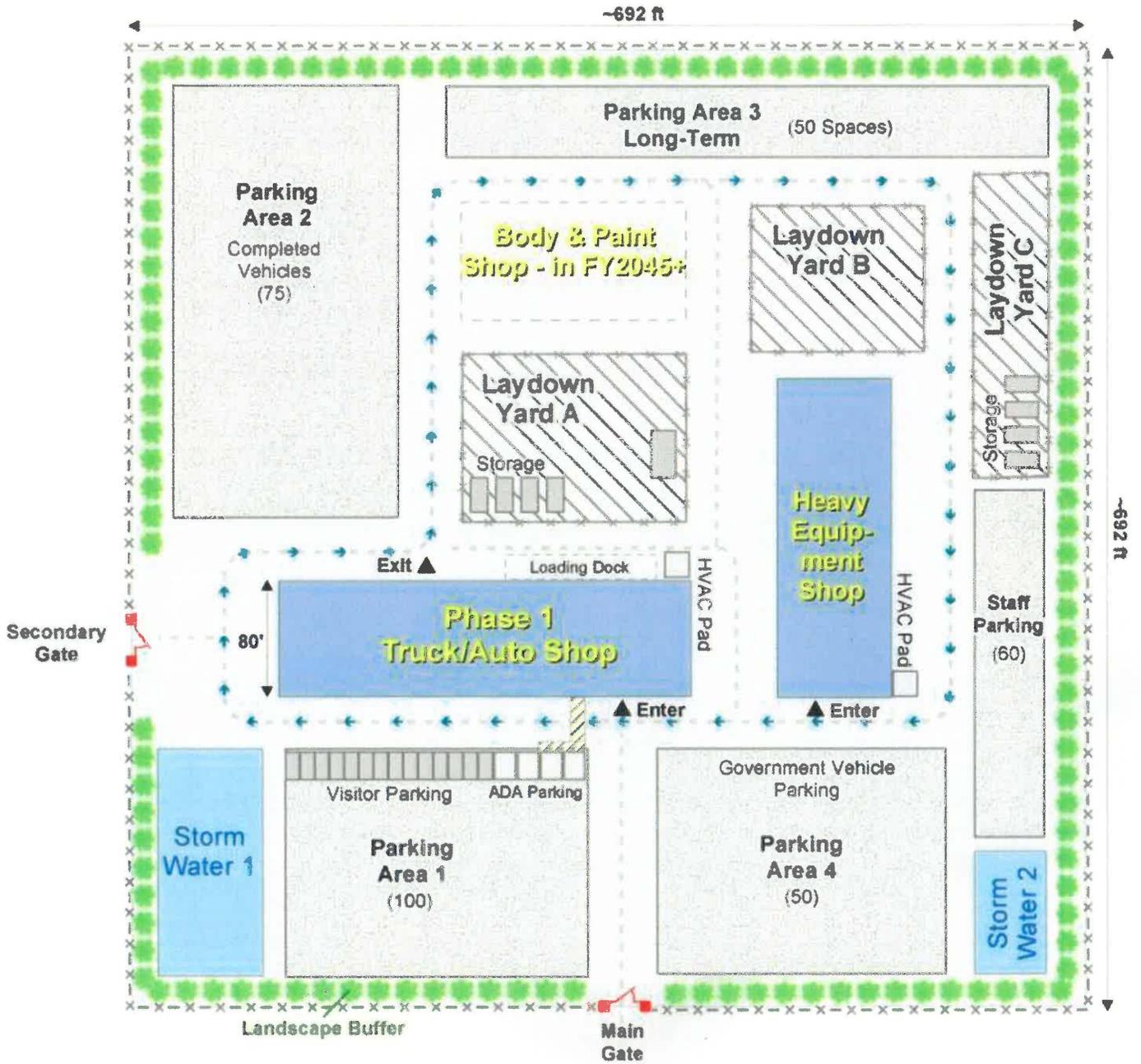


Figure 3. Ecological Resources in the Project Area (ECR-2019-238)



Figure 4. Cultural Resources Area of Potential Effects (HCRC-2019-200-015)



LEGEND

- Area of Potential Effect (APE)
- Fleet Shop Location
- Utilities Tie-in & Support Areas
- Hanford Site Areas

Gridle Butte, WA T 5' USGS Quad
Township 12 N Range 26 E
Sections 2 & 10

NOTE: Aerial Imagery, 2017, NAD



Detail of Area of Potential Effect (APE)
HCRC2019-200-015
Hanford Site, Benton County, Washington

