

**NEPA REVIEW SCREENING FORM**  
**for Actions Included in CXs**

Document ID #:  
DOE/CX-00173

**I. Project Title:**

Activity-Specific Categorical Exclusion for Patrol Training Academy Firearms Cleaning Trailer (Project S-244)

**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), area/location/number of buildings. Attach maps and drawings, as applicable. 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.**

1.0 NEED FOR ACTION

U. S. Department of Energy Manual DOE M 470.4-3A, Contractor Protective Force, mandates that firearms must be cleaned and maintained in a manner that meets or exceeds the manufacturer's recommendations. In order to meet the maintenance requirements, a safe and effective firearms cleaning capability is needed to ensure the proper care and operability of Hanford Patrol weapons.

Current firearms cleaning activities are performed daily at the Hanford Patrol Training Academy (PTA) in an over 30-year old single-wide trailer (MO-222). The trailer (see Figure 1) does not meet Hanford Site fire code standards and has the potential for HVAC system malfunctions or fire thereby compromising proper care and operability of Hanford Patrol weapons.

A modern firearms cleaning trailer would have stainless steel counters with sinks, which are easy to clean, fire-resistant, and have space for many students at a time with ample firearm cleaning stations. Proper solvent tanks, waste management capabilities, up-to-date ventilation system(s), adequate air hoses, locations for cleaning parts with eye wash stations, and storage areas would also be provided (see Figure 2).

2.0 PROPOSED ACTION

The U. S. Department of Energy Richland Operations Office (DOE-RL) Security, Emergency Services and Information Division proposes to install a new firearms cleaning trailer at the PTA. The scope of this project would include removal, demolition, and disposal of the existing trailer. Limited site work would be performed to construct a concrete slab. A trench would be excavated for a power feed conduit measuring 20-feet long by 2-feet wide by 2-feet deep. Portable generators would be used to supply temporary power to construction equipment. A new portable, prefabricated, modular firearms cleaning trailer would be installed. The new firearms cleaning trailer would measure approximately 44-feet by 11-feet by 10-feet and would be constructed of 1/4" thick steel shell, supported internally by square tubing.

The new firearms cleaning trailer would be installed at the same location as the existing firearms cleaning trailer to take advantage of existing utility connections and minimize disturbance of the land (see Figure 3).

3.0 CULTURAL AND ECOLOGICAL REVIEWS AND OTHER ENVIRONMENTAL CONSIDERATIONS

3.1 Ecological Resources Review

The project area is highly disturbed consisting of buildings, mobile offices, support structures, parking lots, staging areas, and training facilities. The ground cover is primarily graveled and paved surfaces that lack vegetation. No plant or animal species protected under the Endangered Species Act, candidates for such protection, or species listed by the Washington State government as threatened or endangered are anticipated in

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the vicinity of the project area.

Birds can nest in the project area on the ground, on buildings, or on equipment. The nesting season is typically from mid-March to mid-July. The active nests of migratory birds are protected by the Migratory Bird Treaty Act of 1918. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed within the project area, Project Management personnel would contact the DOE-RL Ecological Compliance Program to evaluate the situation and initiate appropriate actions.

No adverse impacts are anticipated from the proposed action. Any changes in the scope of activities that could result in disturbances outside the project area would be reviewed with the DOE-RL Ecological Compliance Program to determine if additional ecological review would be required. The ecological resources review is valid for two years (i.e., until June 13, 2019).

### 3.2 Cultural Resources Review

The cultural resources review determined that all National Historic Preservation Act Section 106 requirements for the undertaking have been previously met as documented in the Cultural Resources Review for Routine Maintenance and Minor Facility Upgrades at the Patrol Training Academy in the 600 Area of the Hanford Site, Benton County, Washington (HCRC-2013-600-013). This review was approved by DOE-RL on June 1, 2017.

No impacts to cultural resources are anticipated. Any changes in the scope of activities that could result in disturbances outside of the project area would be reviewed with the DOE-RL Cultural and Historic Resources Program to determine if additional cultural resources review would be required.

Although no impacts to cultural resources are anticipated, all workers would be directed by Project Management to watch for cultural materials (e.g., bones, stone tools, mussel shell, cans, and bottles) during all work activities. If any cultural materials are encountered, work in the vicinity of the discovery would stop until a DOE-RL Cultural and Historic Resources Program Archaeologist has been notified, the significance of the find assessed, appropriate Tribes notified, and if necessary, arrangements made for mitigation of the find.

### 3.3 Land Use

The PTA is located in the southeast corner of the Hanford Site. This area is designated for industrial land uses in accordance with the Hanford Site Comprehensive Land Use Plan Environmental Impact Statement (HCP-EIS, DOE/EIS-0222). The proposed action would be consistent with the HCP-EIS land use designations, maps, policies, and procedures.

### 3.4 Other Environmental Considerations

The existing MO-222 firearms cleaning trailer would be removed from the site for demolition. The area to the northeast of the construction site has been designated for demolition of the existing MO-222 firearms cleaning trailer due to safety considerations (see Figure 4). The demolished trailer would be disposed offsite in a local solid waste landfill (e.g., Basin Disposal Incorporated). The two areas to the west of the construction site have been identified as contingent trailer demolition sites, but are not planned for use.

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Given the age of the existing MO-222 firearms cleaning trailer, it is expected that asbestos containing materials would be encountered in the compressor room during demolition work activities. Project Management would ensure all asbestos containing materials are handled and disposed in accordance with applicable Best Management Practices, Standard Operating Procedures, and regulatory requirements (e.g., 40 CFR Part 61, Subpart M, Asbestos National Emission Standards for Hazardous Air Pollutants).

Project Management would ensure that inert waste (e.g., broken asphalt; broken concrete; overburden material such as rock, earth, brick, and glass) is disposed at the Hanford Site Pit 9 Landfill. The small amount of wastewater (estimated to be less than 100 gallons) resulting from washing concrete trucks, pumps, forms, and associated equipment would be discharged in a single specified area determined by Project Management. After the concrete in the wastewater has hardened, Project Management would ensure it is collected and disposed as inert waste at the Hanford Site Pit 9 Landfill. Disposal of inert waste would be in accordance with the Plan of Operations for the Pit 9 Landfill and applicable regulatory requirements (e.g., WAC 173-350-410, Inert Waste Landfills).

Internal combustion engines (e.g., generators) would be used to temporarily power hand tools, cement mixers, and other construction equipment. Project Management would maintain an inventory of internal combustion engines, including the brake horsepower, prior to bringing the engines onto the Hanford Site to ensure timely notification of the State of Washington Department of Ecology of intent to operate and proper recordkeeping in accordance with WAC 173-400-035, Non-Road Engines.

**4.0 CONCLUSION**

This is an Activity-Specific Categorical Exclusion based on the provisions of 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.15, Support Buildings, and only applies to the proposed actions described herein. Any changes to the proposed actions or future requests for support buildings and support structures at the PTA would be evaluated on a case-by-case basis.

**III. Applicable Reviews (attach to NRSF):**

Biological Review Report #: ECR-2017-630

Cultural Review Report #: HCRC-2013-600-013

**Additional Attachments:**

Figure 1. Existing MO-222 Firearms Cleaning Trailer

Figure 2. New Firearms Cleaning Trailer (Typical)

Figure 3. Location of Existing MO-222 Firearms Cleaning Trailer

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Figure 4. Designated Areas to Remove and Demolish Existing MO-222 Firearms Cleaning Trailer

**IV: Existing Documentation:**

Are the impacts of the proposed action evaluated in a previous EA, EIS, or CERCLA document?  Yes  No

If "YES", use Site Form [A-6006-948](#), *Actions Adequately Evaluated in NEPA or CERCLA Document*

**V. Categorical Exclusion:**

Does the proposed action fall within a category of actions that is listed in Appendixes A or B to Subpart D of 10 CFR 1021? If extraordinary circumstances or integral elements would preclude the use of a CX, check "No".  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 1506.1 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):

10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.15, Support Buildings

**Categorical Exclusion Integral Elements:**

Would 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

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 CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases?  Yes  No

Would the proposed action adversely affect environmentally sensitive resources?  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 Integral Elements questions above, complete Section VI, and provide NRSF to DOE NCO for review.  
If "YES" to any of the Categorical Exclusion Integral Elements questions above, contact DOE NCO for additional NEPA Review.

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**VI. Responsible Contractor Signatures:**

**Initiator:**

Jerry W. Cammann, MSA NEPA-SME

*Jerry W. Cammann*

12/7/2017

Name *Print*

Signature

Date

**DOE-RL Security, Emergency Services & Information:**

Chris P. Yaroch

*Chris P. Yaroch*

12/8/2017

Name *Print*

Signature

Date

**VII. DOE Approval/Determination**

DOE NEPA Compliance Officer: Diori L. Kreske, NEPA Compliance Officer (NCO)

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), the proposed action fits within the specified class of action:

NCO Determination:  CX

\*NCO Recommendation:  EA  EIS

*Diori Kreske*

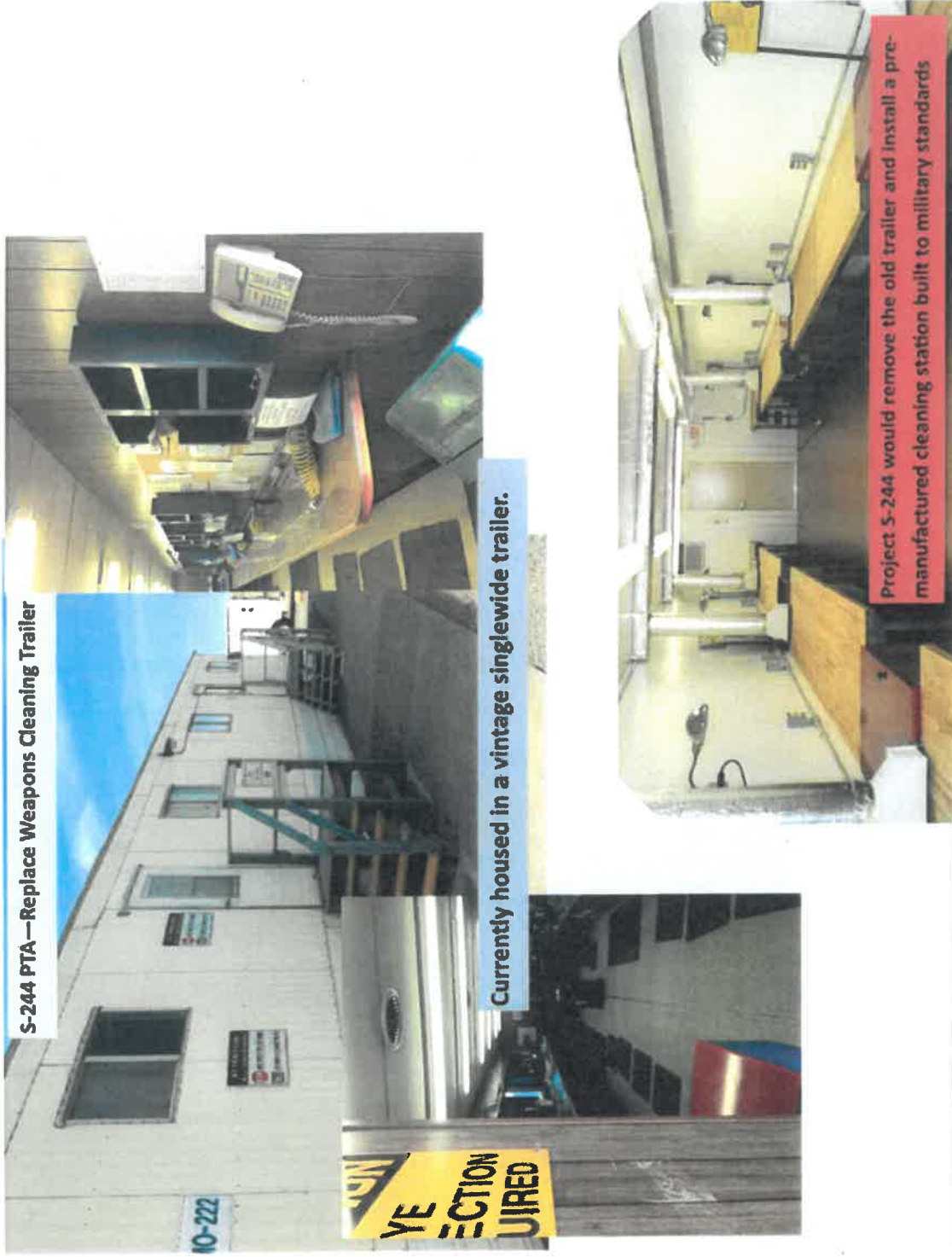
Signature

12/7/17

Date

\*NRSF A-6006-950 would be completed by responsible contractor

Figure 1. Existing MO-222 Firearms Cleaning Trailer



**Figure 2. New Firearms Cleaning Trailer (Typical)**



**Figure 3. Location of Existing MO-222 Firearms Cleaning Trailer**



**LEGEND**

 Project Area

Richland, WA 7 5' USGS Quad  
Township 10 N Range 28 E  
Section 8

NOTES: Aerial Image, 2015. NAIP.



**Project Area**  
HCRC#2013-600-013 | ECR-2017-630  
Hanford Site, Benton County, Washington



Figure 4. Designated Areas to Remove and Demolish Existing MO-222 Firearms Cleaning Trailer (Blue Areas)

