NEPA REVIEW SCREENING FORM for Actions Included in CXs	Document ID #: DOE/CX-00170

I. Project Title:

ACTIVITY-SPECIFIC CATEGORICAL EXCLUSION FOR PROJECT S-245 LIVE FIRE SHOOT HOUSE

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 PROPOSED ACTION

The DOE Richland Operations Office (DOE-RL) proposes to construct a new Live Fire Shoot House (LFSH) at the Hanford Patrol Training Academy (PTA) under Project S-245. The project would include a covered 80-feet by 120-feet reinforced concrete foundation, 60-feet by 80-feet ballistic rated enclosure walls, elevated observation and control platform (EOCP), and supporting infrastructure (see Figure 1). The LFSH would be constructed of prefabricated or modular buildings and support structures within or contiguous to an already developed area where active utilities and currently used roads and parking lots are readily accessible.

The project would provide a facility suitable to support Hanford Patrol training and qualification requirements in DOE Orders, Code of Federal Regulations, and the Hanford Site Mission Support Contract.

2.0 NEED FOR ACTION

The Hanford Site Mission Support Contractor (MSC), Mission Support Alliance (MSA), provides integrated Safeguards and Security (SAS) services to DOE-RL and other Hanford Site contractors to protect special nuclear material (SNM), classified matter, government sensitive information, and government property.

DOE Order 473.3A, Protection Program Operations, requires semi-annual LFSH qualifications to maintain Security Police Officer-III certification. The Contractor Requirements Document (CRD) for DOE Order 473.3A mandates (1) suitable facilities to support protective force activities be provided and maintained based on mission-specific needs and (2) training facilities must support realistic, high-intensity protective force training and qualification programs. This training is part of the Hanford Site asset protection strategy.

The existing LFSH is 25-years old and is inadequate when compared to current protective force standards and state of the art training practices that address active shooter scenarios. The DOE Order requires training and qualification of Hanford Patrol protective force personnel twice a year in a LFSH.

3.0 FACILITY DESCRIPTION AND OTHER CONSIDERATIONS

3.1 Hanford Patrol Training Academy Live Fire Shoot House

The LFSH facility would be partially enclosed by an overhead steel roof structure and a 12-feet high steel plate wall along the perimeter of the reinforced concrete foundation. Nylon netting would be attached from the top of the 12-feet high steel plate wall to the eaves of the overhead steel roof structure to keep birds out of the facility. Figure 2 shows a typical LFSH to illustrate the type of construction.

The LFSH would be constructed adjacent to and south of PTA Firing Range 5, and west of the existing LFSH (633 Building) in a previously disturbed gravel area (see Figure 3).

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The 633 Building would remain in service to meet other Hanford Patrol training needs. The exact location would be refined during the design process upon completion of soils analysis, review of existing site utilities and infrastructure, and following Site Evaluation approval. Electrical power for the LFSH would be provided from an existing 12.4-kV line that runs along ILA Lane. There would be no requirements for water or sewer utilities at the LFSH.

Additional project activities would include surveying and ground scanning for buried utilities; placement of asphalt pavement to repair road crossings; excavation to install buried utilities; backfilling open excavation areas; and stabilization of gravel and asphalt removed during utility installation. A gravel corridor approximately 70-feet wide would also be constructed. This corridor would provide additional access to the building during maintenance activities.

Concrete ecology blocks would be installed within this corridor to prevent sand from blowing into the area. The corridor would be contoured to match the surrounding existing slope and then covered with gravel fill. The corridor would measure approximately 369-feet by 69-feet by 375-feet by 75-feet, and is roughly 0.64 acres in size.

Excavations for the LFSH reinforced concrete foundation would measure approximately 80-feet by 120-feet, and be no more than 3-feet in depth. Electrical utilities trenches would run up to 200-feet in length, and would measure 3-feet in depth and 2-feet wide. Within the corridor, ground disturbance from contouring would be no more than 9-feet in depth.

3.2 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.

3.3 Ecological Resources (ECR-2017-628)

The majority of the project area is highly disturbed with a ground cover of imported gravel that is devoid of vegetation. The vegetated berm on the west end of the project area is dominated by Sandberg's bluegrass and cheatgrass with several scattered non-native invasive species.

The Washington State listed noxious weed Rush Skeletonweed was noted within the project area. Seeds from these highly competitive and aggressive plants can easily be transported between work sites. The undercarriages of any vehicles or equipment that travel off-road in the project area would be washed to remove noxious weed seeds prior to working at other areas on site.

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 were observed in the vicinity of the proposed project site.

Birds can nest within the project area from mid-March to mid-July requiring a survey by MSA Ecological Monitoring and Environmental Surveillance prior to initiating work. If any nesting birds (if not a nest, a pair of birds of the same species or a single bird

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that will not leave the area when disturbed) are encountered or suspected, or bird defensive behaviors (flying at workers, refusal to leave area, strident vocalizations) are observed, then MSA Ecological Monitoring and Environmental Surveillance would be contacted to evaluate and take action.

No adverse ecological resource impacts are anticipated from the proposed action. If the scope of the proposed action changes and results in disturbances outside the project area, then MSA Ecological Monitoring and Environmental Surveillance would be contacted to determine if additional ecological resources review would be required. Due to the seasonal and migratory nature of ecological resources, this review is valid for one year and expires on September 20, 2018.

3.4 Cultural Resources (HCRC-2017-600-012)

An Area of Potential Effect (APE) was determined (see Figure 4) and a notification was sent to the Washington State Historic Preservation Office (SHPO) and regional Tribes on May 19, 2017. A revised APE notification including additional scope was transmitted to SHPO and Tribes on June 15, 2017. No cultural resources were identified during archaeological surveys. A Cultural Resources Review (CRR), with a No Historic Properties Affected finding, was prepared and submitted to the SHPO and regional Tribes for a 30-day comment period on July 11, 2017. The SHPO concurred with the findings of the CRR on July 12, 2017.DOE-RL provided a notice of compliance with Section 106 of the National Historic Preservation Act for the project on September 13, 2017.

Although no impacts to cultural resources are anticipated, all workers would be directed by the MSA Cultural and Historic Resources Program 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, then work in the vicinity of the discovery would stop until a MSA Cultural and Historic Resources Program Archaeologist has been notified, the significance of the find assessed, appropriate Tribes notified, and arrangements made for mitigation of the find. If the scope of the proposed action changes and results in disturbances outside the APE, then MSA Cultural and Historic Resources Program would be contacted to determine if additional cultural resources review would be required.

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 action described herein. Any changes to the proposed action or future requests for support buildings and support structures at the PTA would be evaluated on a case-by-case basis.

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III. Applicable Reviews (attach to NRSF):

Biological Review Report #: ECR-2017-628

Cultural Review Report #: HCRC-2017-600-012

Additional Attachments:

Figure 1. General LFSH Floor Plan
Figure 2. Typical Live Fire Shoot House for Illustration Only
Figure 3. Proposed Location of New LFSH Facility
Figure 4. Detail of Area of Potential Effect (APE) for Cultural Resources

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

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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.

VI. Responsible Contractor Signatures:

Initiator:

Jerry W. Cammann, MSA NEPA-SME (Name / Print) — Jerry W. Cammann (Signature) — 11/30/2017 (Date)

DOE-RL Security, Emergency Services & Information:

Chris P. Yaroch, Physical Security Specialist (Name / Print) — (Signature) — 11/30/2017 (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) — 12/5/17 (Date)

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

Figure 1. General LFSH Floor Plan

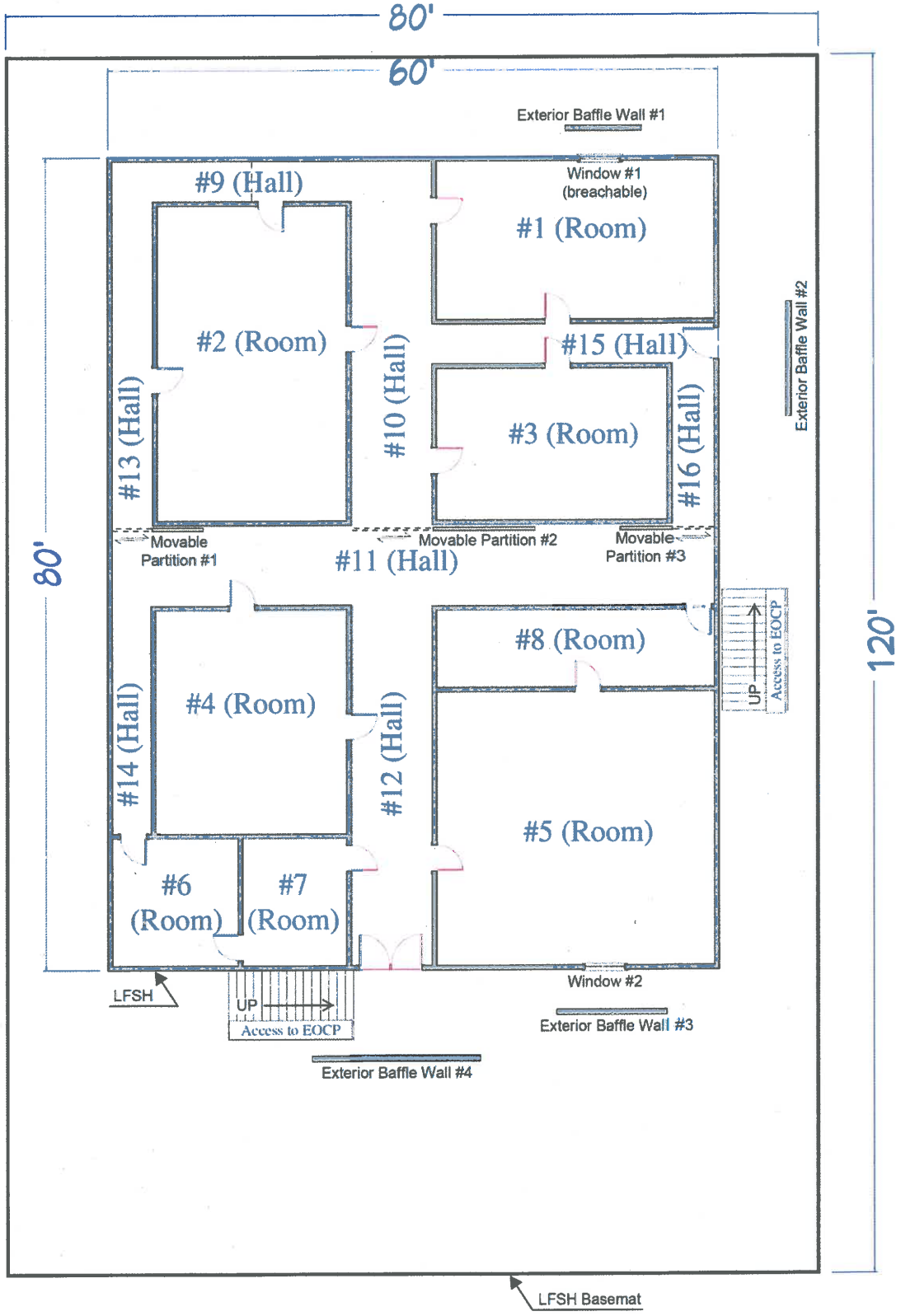


Figure 2. Typical Live Fire Shoot House for Illustration Only

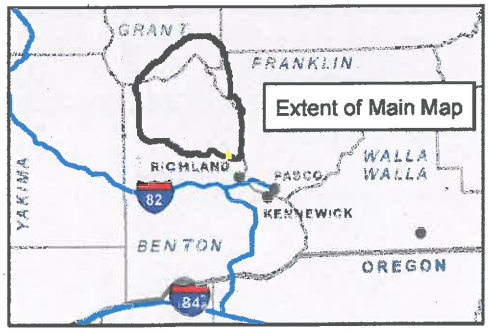
Figure 3. Proposed Location of New LFSH Facility

Figure 4. Detail of Area of Potential Effect (APE) for Cultural Resources

LEGEND

- Utilities Trench
- 60' x 80' Shoot House
- Added Area of Potential Effect (APE)
- Area of Potential Effect (APE)

Richland, WA 7.5' USGS Quad
Township 10 N Range 28 E
Section 8



NOTES: Aerial Image, 2015, NAIP

0 12.5 25 50 75 100 125
Meters

N

Detail of Area of Potential Effect (APE)
HCRC#2017-600-012 | ECR-2017-628
Hanford Site, Benton County, Washington

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