



U.S. Department of Energy Categorical Exclusion Determination

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Proposed Action Title: Y12-NEPA-008-Training, Rev 0, Routine Administrative Actions and Emergency Preparedness Training Exercises, Drills, and Simulations, CY2022 to CY2024

Program or Field Office: NNSA Production Office - Y-12 National Security Complex (Y-12) and other NNSA-owned and contractor operated facilities and ancillary areas associated with Y-12, but does not apply to the Pantex Plant

Location(s) (City/County/State): Oak Ridge / Anderson / Tennessee.

Proposed Action Description:

National Nuclear Security Administration's (NNSA) proposed action is to perform the necessary and routine administrative activities and emergency preparedness training, drills, and simulation exercises for the protection of personnel, facilities, and the environment at the Y-12 National Security Complex (Y-12) in support of NNSA's missions. This Umbrella Categorical Exclusion Determination (UCXD) comprises the **recurring, routine, and necessary** routine business practices/actions and emergency preparedness operations conducted by the Management and Operating Contractor, including the Y-12 Emergency Response Organization (ERO). Additional details are documented in NEPA Review Form "Y12-NEPA-0322-008, Rev 0". Routine administrative actions include, but not limited to: planning and policy making, procedure writing, personnel training, contracts and procurement, auditing and technical decision-making. Emergency preparedness actions consist of developing, maintaining, and testing (1) responsibilities of fire protection, emergency medical technicians, security, and emergency preparedness personnel; (2) adequacy of facilities and equipment; (3) accuracy and adequacy of procedures; and (4) effectiveness of training.

The proposed action covers activities performed at Y-12, 113-C Union Valley Rd, 103 Palladium Way, 350 Centrifuge Drive, and other NNSA properties for calendar year (CY) 2022 thru CY 2024. **Proposed actions NOT covered under this UCXD include**, capital asset projects conducted under DOE O 413.3b, *Programs and Project Management for the Acquisition of Capital Assets* and actions enacted during an actual emergency event. This single categorical exclusion determination (i.e. UCXD) has considered the aggregate impacts of the proposed action, as authorized by §1021.410(f), and documented in the associated NEPA Review Form.

The scope of this UCXD would include the following:

- 1) Routine administrative actions and general office work.
- 2) Site-wide emergency preparedness response training for plant personnel includes: emergency response training, drills, exercises; accountability drills; shelter-in-place exercises; building evacuation drills; and all follow-on activities.
 - a) Typical site-wide drill actions would include general emergencies, hazardous materials detection and monitoring, evacuation, spill cleanup, and emergency categorization.
 - b) At least one drill a year would include notification and emergency communications with regional federal, state, and local authorities and NNSA Headquarters staff.
- 3) Fire-fighting training exercises and simulations such as: emergency response training, drills, exercises; fire-fighting training, exercise, or drill; live fire training; accountability drills; shelter-in-place exercises; building evacuation drills; and all follow-on activities.
 - a) Field training exercises for emergency medical technicians would consist of medical emergency response, personnel rescue operations, triage and medical intervention, staging area management, resource accountability, basic emergency tool identification, and facility evacuation drills.
 - b) Field training exercises for fire fighter protection would consist of fire hose handling, correct use of hydrants, personnel rescue operations, mitigation of hazardous materials spills, staging area management, resource accountability, basic emergency tool identification, and facility evacuation drills.
 - c) Fire protection training exercises in the presence of an actual fire would consist of forcible entry; use of protective breathing apparatus; familiarity with fire hoses, nozzles, appliances, ladders, ventilation, and fire behavior; and practice of rescue and safety measures. Live fire training would take place at the Fire Training and Test Facility or other approved, designated location at each site.
- 4) Security training exercises for the protection of personnel. Training would include classroom instruction, drills, force on force drills (small scale and short duration), and other hands-on practice sessions.
 - a) Firearms training requiring live weapons (whether for practice, familiarization, testing, or qualification) would be conducted on DOE-approved ranges, with DOE-certified firearms instructors overseeing these actions.



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Various training exercises, drills, and simulations would utilize existing facilities and equipment, would be small scale and of short duration, and would produce minimal amounts of waste. Any wastes generated would be disposed of in existing permitted/approved waste storage, treatment, or disposal facilities. Some waste may be considered Resource Conservation and Recovery Act (i.e. regulated Lead waste), which would be managed in accordance with regulatory requirements. Waste generated from such activities would be handled in accordance with applicable laws, regulations, permits, and stipulations and controls as stated in Y12-NEPA-0621-006, Rev 0, *Waste Management, Waste Minimization, Energy Conservation, Sustainability, and Pollution Prevention Activities*. Documentation of NEPA reviews for individual projects/programs/activities will provide greater detail, state the applied control/stipulation, and will be tiered from the appropriate Categorical Exclusion Determination.

The proposed actions that would take place on the Oak Ridge Reservation (ORR) have been reviewed in accordance with the Cultural Resource Management Plan (CRMP) or applicable sections in a Programmatic Agreement and would not result in an adverse effect to historic properties included or eligible for inclusion in the National Register of Historic Places (National Register). If the proposed ORR actions would have an adverse effect on properties included or eligible for inclusion in the National Register, DOE would consult with the State Historic Preservation Officer (SHPO) and initiate actions specified in procedures set forth in the Advisory Council's regulations in 36 CFR Part 800.

To ensure that sensitive resources are protected, existing maps and surveys/studies on threatened and endangered species, wetlands and floodplains, and historically sensitive areas would be used to locate these areas. In addition, personnel responsible for identifying these resources would be consulted and, if warranted, additional surveys and walkovers would be conducted to confirm or update available information.

Although an action might fall under the category of "**Routine Administrative Actions and Emergency Preparedness Training Exercises, Drills, and Simulations**" a separate NEPA review would be performed and documented should the action, or aggregate impacts of the action, have the potential to result in an unusual or significant impact to the environment.

Categorical Exclusion(s) Applied:

B1.2, Training exercises and simulations

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of [10 CFR Part 1021](#).

Regulatory Requirements in 10 CFR 1021.410(b):

- The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. See paragraph above for specific categorical exclusion(s) applied.
- The classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B include conditions that are integral elements of the class of actions which must be satisfied in order to determine that a proposal is categorically excluded under Appendix B. Specifically, a proposal must be one that would not:
 - (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders;
 - (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities;
 - (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases;
 - (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to:
 - (i) Property (such as sites, buildings, structures, and objects) of historic, archeological, or architectural significance designated by a Federal, state, or local government, Federally recognized Indian tribe, or Native Hawaiian organization, or property determined to be eligible for listing on the National Register of Historic Places;



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- (ii) Federally-listed threatened or endangered species or their habitat (including critical habitat) or Federally-proposed or candidate species or their habitat (Endangered Species Act); state-listed or state-proposed endangered or threatened species or their habitat; Federally-protected marine mammals and Essential Fish Habitat (Marine Mammal Protection Act; Magnuson-Stevens Fishery Conservation and Management Act); and otherwise Federally-protected species (such as the Bald and Golden Eagle Protection Act or the Migratory Bird Treaty Act);
- (iii) Floodplains and wetlands (as defined in 10 CFR 1022.4, "Compliance with Floodplain and Wetland Environmental Review Requirements: Definitions," or its successor);
- (iv) Areas having a special designation such as Federally- and state-designated wilderness areas, national parks, national monuments, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, scenic areas (such as National Scenic and Historic Trails or National Scenic Areas), and marine sanctuaries;
- (v) Prime or unique farmland, or other farmland of statewide or local importance, as defined at 7 CFR 658.2(a), "Farmland Protection Policy Act: Definitions," or its successor;
- (vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region); and
- (vii) Tundra, coral reefs, or rain forests; or
- (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as the Department of Agriculture, the Environmental Protection Agency, and the National Institute of Health

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal. Extraordinary circumstances are unique situations presented by specific proposals, including, but not limited to, scientific controversy about the environmental effects of the proposal; uncertain effects or effects involving unique or unknown risks; and unresolved conflicts concerning alternative uses of available resources.

The proposal has not been segmented to meet the definition of a categorical exclusion. Segmentation can occur when a proposal is broken down into small parts in order to avoid the appearance of significance of the total action. The scope of a proposal must include the consideration of connected and cumulative actions, that is, the proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or § 1021.211 of this part concerning limitations on actions during EIS preparation.

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Policy 451.1, National Environmental Policy Act Compliance Program), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer:

Date Determined:

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