

**DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory**

SECTION A. Project Title: FASB Uranium Fire Training

SECTION B. Project Description and Purpose:

The Fuels and Applied Sciences Building (FASB) is primarily used to conduct fuel cycle research. Research-scale experimental fuel is produced by cleaning, alloying, forming, encapsulation, etc. FASB is also used to perform characterization and houses sample preparation equipment, microscopes, and other analytical equipment. Research personnel need to be trained for proper responses to unexpected uranium fires. The proposed action meets this need by reacting DOE-owned depleted uranium (DU) in a controlled environment--FASB East Hood B. This dynamic learning activity also aids fire protection by determining suitable Class D extinguishing media and methods of application. This activity is scheduled for August of 2018. New equipment will not be installed.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

The proposed action has the potential to generate radiological and chemical emissions. An Air Permit Applicability Determination (APAD) will be completed to document potential and actual emissions.

Generating and Managing Waste

Industrial, hazardous, and low-level radioactive waste may be generated. Industrial waste includes common lab waste such as PPE and wash water. Hazardous waste may include corrosives, solvents, and metals-containing waste. Project activities will not generate TRU waste.

Releasing Contaminants

Project activities have the potential to release contaminants from a chemical use. All chemicals will be managed in accordance with laboratory procedures. Although not anticipated, there is a potential for spills when using chemicals. In the event of a spill, notify facility PEL. If the PEL cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

Using, Reusing, and Conserving Natural Resources

All material will be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill when possible.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References: 10 CFR 1021, Appendix B, B1.2, "Training exercises and simulations."

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, B1.2, "Training exercises and simulations (including, but not limited to, firing-range training, small-scale and short-duration force-on-force exercises, emergency response training, fire fighter and rescue training, and decontamination and spill cleanup training) conducted under appropriately controlled conditions and in accordance with applicable requirements."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 7/26/2018