

**DOE-ID NEPA CX DETERMINATION
IDAHO NATIONAL LABORATORY**

SECTION A. Project Title: Modifications to Central Facilities Area (CFA)-Live Fire Range and Main Gate Drinking Water

SECTION B. Project Description:

Modification of the drinking water systems at the CFA Live Fire Range and Main Gate is needed to improve water quality. The drinking water chlorinator at the Live Fire Range does not function properly and cannot be modified or repaired. Personnel at the facility have been using bottled drinking water for several years. There is no disinfection at the Main Gate drinking water system and bacterial contamination events have occurred. The proposed action would be performed during three phases:

- Phase 1. Remove the existing chlorinator from the Live Fire Range drinking water system and install water filtering systems.
- Phase 2. Operate the two systems with filters to determine their maintenance requirements and effectiveness in reducing suspended particulate and turbidity
- Phase 3. Select, procure, install, and operate disinfection devices (e.g., UV or other methods) if needed to meet water quality standards.

The proposed action would be performed during 2011-2013 at an estimated cost of \$30,000.

SECTION C. Environmental Aspects / Potential Sources of Impact:

Generating and Managing Waste – The proposed action would generate industrial waste from removed chlorination equipment, plumbing fittings and electrical components. Waste items would be recycled (e.g., scrap metal) if possible. Items that cannot be recycled would be disposed of as industrial waste at the CFA Landfill by Waste Generator Services (WGS).

Using, Reusing and Conserving Natural Resources – The proposed action would consume plumbing and electrical supplies, commercial filtration supplies, disinfection equipment and a small volume of groundwater for equipment testing and calibration processes. Appropriate use and recycling will be practiced during project activities. Pollution Prevention and Waste Minimization concepts will be implemented when practical.

SECTION D. Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: 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, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) 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; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

References: 10 CFR 1021, Appendix B to Subpart D item B2.5 "Safety and environmental improvements of a facility, including replacement and upgrade of facility components, that do not result in a significant change in the expected life, design capacity, or function of the facility and during which operations may be suspended and then resumed."

Justification: The proposed action would improve drinking water quality at the Live Fire Range and Main Gate. Project activities described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D, items B2.5. The proposed project would replace equipment that no longer functions and install new equipment to meet drinking water standards.

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

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on 10/27/2011