

ENVIRONMENTAL CHECKLIST IDAHO NATIONAL LABORATORY

SECTION A. Project Title: Replace 200,000 Gallon Water Storage Tank at MFC

SECTION B. Project Description:

The project is to replace the current 200,000 gallon potable water tank at the Idaho National Laboratory (INL) Materials and Fuels Complex (MFC) with a new 300,000 gallon water tank. The existing tank and foundation will be removed and the waste materials managed and disposed under the direction of Waste Generator Services (WGS). The installation area for the new tank will be excavated and the new tank put in place. The new tank will be connected to the existing water system and will be coated on both exterior and interior surfaces to prevent corrosion. All valves and lines will be closed off to the construction area until the new tank is in place and the valves reconnected.

The purpose of this project is to replace an older, outdated tank (installed in 1961) with a new tank with greater capacity and a more environmentally appropriate design (better corrosion resistance). The new tank will better ensure continued operation of a safe and dependable water system for a wide range of activities and services at the Materials and Fuels Complex.

SECTION C. Environmental Aspects / Potential Sources of Impact:

Air Emissions - Removal of the existing concrete pad and 200,000 gallon tank may create fugitive dust, some of which could contain PCBs and chromium particulate. If dust control measures, such as a water spray are used, a log showing date and control measures will be maintained.

Generating and Managing Waste - Industrial and potentially hazardous waste will be generated during this project. Painted surfaces on the existing tank contain low levels of PCBs and chromium and may also contain lead. WGS will determine the proper management/disposal of waste generated from project activities.

Releasing Contaminants - There is the potential for small amounts of contaminant (PCBs/chromium-containing particulate) that could be released to air or soil during tank removal operations. Project personnel will employ the appropriate control practices to minimize the potential for contaminant release.

Using, Reusing, and Conserving Natural Resources - Removed materials will be evaluated for reuse/recycling opportunities.

SECTION D. Determine the 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: National Environmental Policy Act Implementing Procedures, 10 CFR 1021, Appendix B to Subpart D, B1.15 "Siting, construction (or modification), and operation of ... support structures ...".

Justification: This water tank replacement project will provide improvements to the MFC water system including replacement of an aging tank, improved corrosion resistance, and increased storage capacity. The water system supports a wide variety of MFC services and activities including routine maintenance and fire protection. This work is appropriately covered under CX category B1.15.

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: 3/15/10