



U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: CATEGORICAL EXCLUSION (CX) DETERMINATION FOR REPLACEMENT, REMOVAL, AND CLOSURE OF UNDERGROUND STORAGE TANKS (USTs) (CX-GEN-003)

Program or Field Office: Oak Ridge Office, Oak Ridge, Tennessee

Location(s) (City/County/State): Oak Ridge, TN; Berkeley, CA; Menlo Park, CA; Newport News, VA; and other DOE-operated facilities and ancillary areas associated with these sites, programs, and projects

Proposed Action Description:

The proposed actions would involve the following closure-related actions: (1) either excavating and removing the UST, associated piping, and underlying containment systems or closure in place by filling the UST with a solid, inert material (e.g., sand); (2) segmenting and cleaning the tank; (3) sampling and analyzing the soil and/or groundwater in the tank pit and vicinity; (4) remediating the site, if required; and (5) backfilling and seeding the excavated areas. The exhumed tank might be replaced with another double-walled and self-contained aboveground or belowground tank. These replacement actions would involve (1) excavating/grading to level the site and placing gravel on the site, (2) installing the new tank and any associated piping, and (3) landscaping to minimize any visual impacts.

Any remaining residual product would be pumped from the tank prior to closure and stored for later reuse or disposal. The exhumed tank would be taken to an appropriate area to be segmented (if required), cleaned, and (as appropriate) disposed of as scrap metal. Rinse water from cleaning the tanks would be drummed and transported to existing wastewater treatment facilities. Any soil taken from the vicinity of the tank that is contaminated with Resource Conservation and Recovery Act (RCRA)-hazardous materials (e.g., lead or other heavy metals) would be drummed, labeled, and transferred for storage at existing permitted/approved facilities; otherwise, excavated soil contaminated with petroleum-based hydrocarbons would be transported to an approved area, where the hydrocarbons would be allowed to volatilize. Radioactively contaminated soil, if encountered, would be properly contained and disposed of in solid waste storage areas at existing permitted/approved disposal facilities. Any soils contaminated with both radioactive and RCRA-hazardous materials would be properly handled, packaged, labeled, and stored at existing permitted/approved facilities. Should contaminated soils be encountered, over-excavation of soils up to 10 ft in any direction of the tank would be considered an acceptable method of remediation.

No individual removal action would exceed the Comprehensive Environmental Response, Compensation, and Liability Act regulatory cost and time limits (up to \$5 million over as many as five years).

Any wastes generated would be appropriately characterized and then disposed of in existing facilities permitted/approved for the types of waste created by each removal action. Excavated soils, concrete, and/or asphalt materials suspected of being contaminated would be temporarily stored in diked areas and encapsulated in plastic pending results of analytical laboratory testing to establish the appropriate action regarding storage or disposal in existing facilities. The proposed action would be evaluated before implementation to identify options to reduce or eliminate generation of waste materials.

The proposed UST 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 ratified Programmatic Agreement document 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.

For sites other than the ORR, DOE would follow the Section 106 process and would consult with the respective SHPO, as appropriate.

Should the proposed UST actions involve ground disturbances at locations where an archeological survey has not been conducted or take place at previously disturbed locations where the potential exists to exceed the depth of previous ground disturbances, DOE would consult with the SHPO to determine whether an archeological survey would be warranted prior to initiating the proposed actions.

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.

No known extraordinary circumstances would be associated with these actions that might affect the significance of the environmental effects of the proposed action based on past similar actions. These actions would not be connected to other actions with potentially significant impacts or related to other proposed actions with cumulatively significant impacts; they would meet the conditions that are integral elements of the classes of actions which may be categorically excluded from further National

