

CATEGORICAL EXCLUSION FOR
C-FARM ELECTRICAL, LIGHTING, AND WALKWAY UPGRADES,
200 EAST AREA, HANFORD SITE, RICHLAND, WASHINGTON

Proposed Action

The U.S. Department of Energy, (DOE) Office of River Protection (ORP) and the Richland Operations Office (RL) proposes to upgrade and add various electrical components and wiring within C and AN tank farms, and will install lighting and a walkway in and between AN and C tank farms in FY 2010.

Location of Action

The work will take place in and between the C and AN tank farms located within the 200 East Area, Hanford Site, Richland, Washington.

Description of Proposed Action

The proposed action would occur at and between the C and AN tank farms.

The upgrades include the installation of 5 ft wide concrete walkways and steel grated stairways between the AN and C tank farms and along existing hose-in-hose above ground transfer lines that are used for existing C Farm waste tank retrieval efforts. Six pole mounted lights will be installed along the path of the hose-in-hose transfer line and in the AN farm with power supply provided by new underground conduit wiring. Two of these light poles will be installed in-between C and AN tank farms near the hose-in-hose transfer lines. The other four light poles will be installed inside the fence at the north end of the AN farm. The walkway/stairway and light upgrades will provide a safe walking path, night or day, for personnel performing periodic inspections of the hose-in-hose transfer lines during waste retrievals.

Also included in the upgrades is the installation of GFCI rated 120V outlets at each of the C Farm tanks for the purpose of providing a convenient power supply to working personnel during C Farm retrieval activities. Power supply to these outlets will be provided by a new 25kVA mini power zone and via new underground wiring in conduits.

Installation of the upgrades is scheduled to start in FY 2010 and all work will be completed in FY 2010.

Categorical Exclusions to be Applied

The following categorical exclusions (CXs) are listed in 10 CFR 1021, "National Environmental Policy Act Implementing Procedure," Subpart D, Appendix B, published in the Tuesday, July 9, 1996, 61 Federal Register 36222:

- B1.3 Routine maintenance activities and custodial services for buildings, structures, rights-of-way, infrastructures (e.g., pathways, roads, and railroads), vehicles and equipment, and

localized vegetation and pest control, during which operations may be suspended and resumed. Custodial services are activities to preserve facility appearance, working conditions, and sanitation, such as cleaning, window washing, lawn mowing, trash collection, painting, and snow removal. Routine maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be used for its designated purpose. Routine maintenance may result in replacement to the extent that replacement is in kind and is not a substantial upgrade or improvement. In kind replacement includes installation of new components to replace outmoded components if the replacement does not result in a significant change in the expected useful life, design capacity, or function of the facility. Routine maintenance does not include replacement of a major component that significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life).

- B1.13 Construction, acquisition and relocation of onsite pathways and short onsite access roads and railroads.
- B2.1 Modifications of an existing structure to enhance workplace habitability (including, but not limited to: improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation; and noise reduction).

Eligibility Criteria

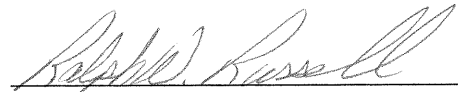
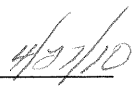
Since no extraordinary circumstances that may affect the significance of the environmental effects of the proposal have been identified, the proposed activity meets the eligibility criteria of 10 CFR 1021.410(b), as shown in the following table. The proposed activity is not “connected” to other actions with potentially significant impacts (40 CFR 1508.25[a][1]), or with cumulatively significant impacts (40 CFR 1508.25[a][2]), and is not precluded by 10 CFR 1021.211.

The “Integral Elements” of 10 CFR 1021 are satisfied as discussed below.

INTEGRAL ELEMENTS, 10 CFR 1021, SUBPART D, APPENDIX B	
Would the Proposed Action	Comment or Explanation
Threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, including requirements of DOE and/or Executive Orders?	No applicable laws, regulations, or orders would be violated by the proposed actions.
Require siting and construction or major expansion of waste storage, disposal, recovery or treatment facilities (including incinerators)? The proposal may include categorically excluded waste storage, disposal, recovery or treatment actions.	Action does not require siting and construction of waste storage, disposal, recovery or treatment facilities. Construction debris can be disposed of in existing facilities.
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?	There will be no uncontrolled or unpermitted releases associated with the proposed actions.
Adversely affect environmentally sensitive resources including but not limited to: (i) Property (e.g., sites, buildings, structures, objects) of historic, archeological, or architectural significance designated by Federal, state, or local governments or property eligible for listing on the National Register of Historic Places. (ii) Federally-listed threatened or endangered species or their habitat (including critical habitat), Federally proposed or candidate species or their habitat or state-listed endangered or threatened species or their habitat. (iii) Wetlands regulated under the Clean Water Act (33 USC 1344) and floodplains. (iv) Federally- and state-designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, and marine sanctuaries. (v) Prime agricultural lands. (vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region. (vii) Tundra, coral reefs, or rainforests?	None of the environmentally sensitive resources listed (i through vii) will be adversely affected by the proposed actions. (i) Proposed action does not adversely affect historical/cultural resources (ii) Proposed action does not adversely affect ecological resources (iii) N/A (iv) N/A (v) N/A (vi) N/A (vii) N/A

Documentation for each use of the categorical exclusions would be maintained according to contractor procedures and DOE requirements.

Compliance Action: I have determined that the proposed action meets the requirements for the referenced Categorical Exclusions. Therefore, using the authority delegated to me by DOE Order 451.1B, Change 1, I have determined that the proposed activities may be categorically excluded from further NEPA review and documentation.

Signature/Date:  
R. W. Russell III
Hanford NEPA Compliance Officer