

**CATEGORICAL EXCLUSION FOR THE ASSESSMENT OF HISTORIC
PIPELINE LEAKS ASSOCIATED WITH UPR-200-E-116 AND UPR-200-E77,
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 conduct time domain electromagnetic, galvanic resistivity and ground penetrating radar surveys of pipeline associated with UPR-200-E-116 and UPR-200-E-77, in FY 2010.

Location of Action

The work will take place just off the corner of Baltimore Ave. and 7th Street near diversion box 241-B-154, located within the 200 East Area, Hanford Site, Richland, Washington.

Description of Proposed Action

The proposed action would occur just off the corner of Baltimore Ave. and 7th Street near diversion box 241-B-154.

Will conduct time domain electromagnetic, galvanic resistivity, and ground penetrating radar surveys of pipeline associated with UPR-200-E-116 and UPR-200-E-77. The galvanic resistivity survey requires that electrodes be installed. These electrodes will penetrate the ground surface at depths ranging from 11 inches to approximately 36 inches (depth depends upon the thickness of protective gravel and associated Biobarrier). Electrodes will be driven into the ground by hand in an orthogonal array; electrodes in any given line of the array will typically be placed about 1 meter apart. Electrodes placed through the gravel and Biobarrier will be left in place, others will be removed upon completion of the survey. A total of about 860 electrodes will be placed. A GPR survey will be conducted over the entire region to identify any pipelines that may not be on drawings of the area; this survey will be supplemented with a 'Biddle' meter survey to assure that there are no live electrical lines where electrodes are to be placed. The TDEM survey will be run along lines parallel to the pipeline

Work 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:

- B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operations of a small-scale laboratory building or renovation of a room in an existing

building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

- (a) Geological, geophysical (such as gravity, magnetic, electrical, seismic, and radar), geochemical, and engineering surveys and mapping, including the establishment of survey marks;
- (b) Installation and operation of field instruments, such as stream-gauging stations or flow-measuring devices, telemetry systems, geochemical monitoring tools, and geophysical exploration tools;
- (c) Drilling of wells for sampling or monitoring of groundwater or the vadose (unsaturated) zone, well logging, and installation of water-level recording devices in wells;
- (d) Aquifer response testing;
- (e) Installation and operation of ambient air monitoring equipment;
- (f) Sampling and characterization of water, soil, rock, or contaminants;
- (g) Sampling and characterization of water effluents, air emissions, or solid waste streams;
- (h) Installation and operation of meteorological towers and associated activities, including assessment of potential wind energy resources;
- (i) Sampling of flora or fauna; and
- (j) Archeological, historic, and cultural resource identification in compliance with 36 CFR part 800 and 43 CFR part 7.

Eligibility Criteria


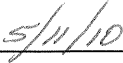
Since no extraordinary circumstances that may affect the significance of the environmental effects of the proposal have been identified, the proposed activity meets the eligibility criteria of 10 CFR 1021.410(b), as shown in the following table. The proposed activity is not “connected” to other actions 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.
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: <ul style="list-style-type: none"> (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. <ul style="list-style-type: none"> (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