

**CATEGORICAL EXCLUSION FOR THE 2715-WA CARPENTERS' SHOP  
REFURBISHMENT, 200 WEST 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) propose to refurbish the 2715-WA Carpenters' shop, in FY 2010 to 2011.

**Location of Action**

The work will take place at the 2715-WA Carpenters' Shop, located within the 200 West Area, Hanford Site, Richland, Washington.

**Description of Proposed Action**

Three years ago the 2715-WA Warehouse was converted into a carpenters' shop. Further refurbishment work is needed to improve the shop's safety, health, and environmental attributes. To reduce the risk of dust exposure, installation of a dust collection system is necessary along with the associated electrical modifications. The outside lumber storage area will also have the structural awning extended and concrete paving installed under the entire covered storage area. This will provide a safer storage and handling area for lumber. In addition, the existing HVAC unit will be replaced due to age and reduced efficiency. Figure 1 (see page 3) shows the approximate location and dimensions of the dust collection system, the saw blade, the heat pump, and the new concrete pads and awning area.

Work steps include, but are not limited to:

- Install a dust collection system including all necessary equipment, concrete foundations, and duct supports. The system was manufactured by Murphy-Rodgers and is Model # MRSE-16 RAL (6,281 cfm).
  - Prepare and paint the exterior of the dust collection hopper in accordance with manufacturer's recommendations.
  - Modify existing or install new electrical equipment required for the dust collection system.
  - Modify existing building electrical supply and distribution equipment as needed to support the new dust collection system and other electrical work.
  - Construct a concrete foundation for the dust collection system exterior hopper/bag house in accordance with manufacturer's recommendations.
  - Construct and install any necessary concrete equipment supports, foundations, duct and riser supports, and building penetration.
  - Once the new dust collection system has been installed along with all supporting infrastructure, the system will be tested prior to regular use.
- Install new exterior area lights for the covered lumber storage area
- Design and install a new electrical circuit for an existing table saw.

- Erect an extension to the existing structural awning. This includes the concrete foundations, structural steel and sheet metal.
- Design and construct a concrete slab on grade under the entire awning area (existing awning and new extension).
- Remove and replace the existing 5 ton electric heat pump unit with a new energy efficient unit of similar size.

All electrical work will be done in accordance with manufacturer's requirements and governing electrical codes. All equipment used and installed as part of the project work scope will be listed or labeled by an organization currently recognized by OSHA as a nationally recognized testing laboratory.

A temporary construction laydown area will be set up immediately adjacent to the 2715-WA building. The laydown area is necessary to support the refurbishment work as it will serve as a storage location for the construction supplies, equipment, and debris (prior to disposal), and it will contain the associated construction support office trailer and connex storage box that are needed to supporting the project work scope. Figure 2 (see page 4) shows the approximate location of the 2715-WA building in relation to the locations of the connex box, the office trailer, the laydown/staging area, and the two new concrete pads that will be poured as part of this project.

The construction laydown includes the following:

- One (1) 10 feet by 20 feet connex box for storage.
- One (1) 10 feet by 20 feet temporary office trailer. The trailer will be "dry", i.e. no water or sewer connects are required. The trailers installation will include hook up to an existing electricity source, HLAN, and phone. Trailer will be leveled, tied down, skirting attached, and access steps will be installed.

All the above proposed actions will be performed either within the 2715-WA building or existing disturbed land areas nearby the facility. No adverse ecological or cultural/historic impacts will occur. The 2715-WA building is classified as a historical non-contributing/exempt property under DOE/RL-97-56, *Hanford Site Manhattan Project and Cold War Era Historic District Treatment Plan*, Revision 1, as listed within Table A.7, "Non-Contributing/Exempt Properties", page A.40. This work has also been declared as culturally exempt under Cultural Resource Review HCRC#2003-200-044, "*Cultural Resources Review of Retrieval, Treatment and Disposal of Tank Waste and Closure of Single Shell Tanks (Tank Closure) Environmental Impact Statement (EIS) (HCRC# 2003-200-044)*". All waste created during the refurbishment work will be properly recycled or disposed of, as needed, in an appropriately licensed treatment, storage, and disposal facility.



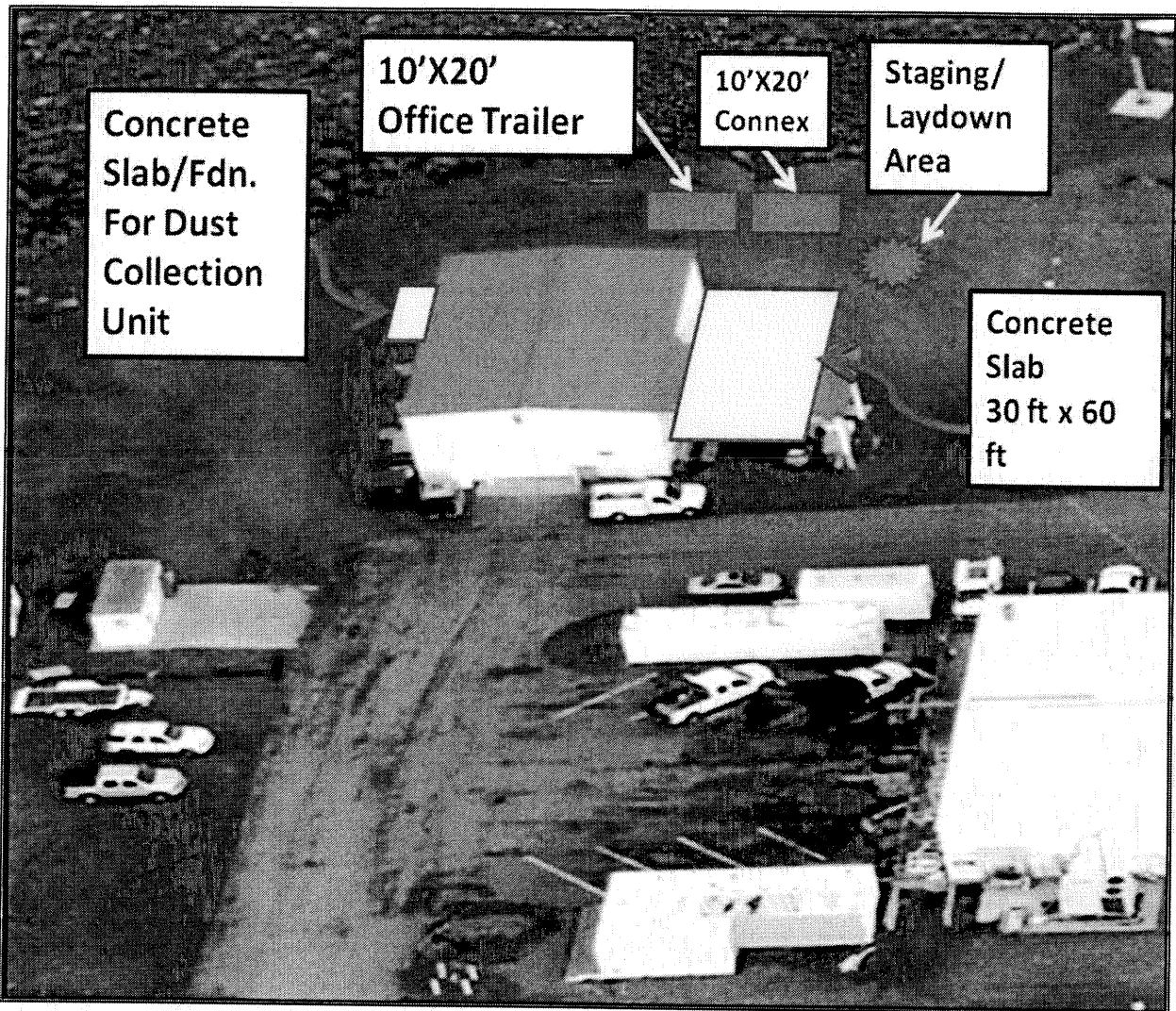


Figure 2. Aerial photograph showing the 2715-WA building and the relative locations of the office trailer, connex box, staging/laydown area, and the two new concrete slabs that will be poured as part of this project.

### 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:

- A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring. (Also see B3.1.)

- 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)...
- B1.15 Siting, construction (or modification), and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; employee health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (including security posts); fire protection; and similar support purposes, but excluding facilities for waste storage activities, except as provided in other parts of this appendix.
- 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**

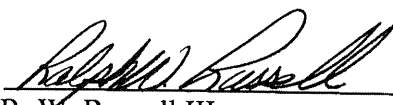
Since no extraordinary circumstances that may affect the significance of the environmental effects of the proposal have been identified, the proposed activity meets the eligibility criteria of 10 CFR 1021.410(b), as shown in the following table. The proposed activity is not “connected” to other actions 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.

<b>INTEGRAL ELEMENTS, 10 CFR 1021, SUBPART D, APPENDIX B</b>	
<b>Would the Proposed Action</b>	<b>Comment or Explanation</b>
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: (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:  7/3/10  
 R. W. Russell III  
 Hanford NEPA Compliance Officer