

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Relocate Tent Structure from Idaho Nuclear Technology and Engineering Center (INTEC) to Materials and Fuels Complex (MFC)

SECTION B. Project Description and Purpose:

In 2014, CH2M-WG Idaho, LLC (CWI) erected a temporary tension fabric structure at INTEC on the south side of building Chemical Processing Plant (CPP)-666. The structure was used by CWI as a temporary containment to facilitate replacement of the CPP-666 IX Column Resin (Davis Bacon Case Record No. Idaho Cleanup Project [ICP]-14-26). The Radiological Control organization from CWI has surveyed the tent and free released the equipment inside. The structure is no longer necessary for CWI and needs to be demolished or transferred to another entity. Battelle Energy Alliance, LLC (BEA) has identified a need for the structure at the Materials and Fuels Complex (MFC). Under the proposed action, CWI would transfer ownership to BEA, and BEA will disassemble the structure at INTEC, transfer the components to MFC, and re-erect the tension fabric structure. A 5-ton gantry crane, chain hoists, and other miscellaneous equipment would also be transferred from CWI and used within the tent. The tent is equipped with ceiling lights, floor stand heaters, and a manual chain drive roll-up door. Power would need to be supplied to the tent after erection, and this EC will be revised to capture the scope, aspects, and work activities associated with supplying power to the facility. Balance of plant equipment and supplies (including sanding trucks, supplies, and sweeper attachments) would be stored in the facility at MFC. Empty casks could be parked in the structure when they are not in use. Changes to this scope will require revision of this EC.

The tension fabric structure is 50' x 60'. The tent frame is a steel frame that is bolted together. The structure is covered with tension fabric. No foundation would be required. The tent would be anchored with concrete blocks supplied with the tent (similar to its current configuration). The tent would be relocated to MFC and placed in the former location of MFC-799. Building MFC-799 was demolished by CWI with the exception of the concrete floor, and it had a different footprint than the rectangular tent. Therefore, part of the tent would sit over the concrete slab while the remaining on gravel or dirt.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

This project has the potential to generate air emissions from fugitive dust. Steps must be taken to control fugitive dust in accordance with Idaho Administrative Procedures Act (IDAPA) 58.01.01.650, "Rules for Control of Fugitive Dust." These include, when appropriate, use of dust control measures such as water application and logging the date, time, type of dust suppressant and amount applied, in facility records.

If mobile equipment is used inside the structure or radionuclides or hazardous air pollutants are stored or consumed in the facility, an APAD would be required to determine if the facility needs a permit or can be exempted from permit requirements. If a permit is required, it would need to be obtained prior to commencement of construction.

Generating and Managing Waste

Waste from construction activities may include wooden forms and general construction debris. This non-hazardous waste will be recycled to the extent practicable. Waste generated during routine operations may include scrap wood, metal, lubricants, and cleaning materials. Hazardous and industrial waste will be managed by Waste Generator Services (WGS) in accordance with BEA procedures.

Releasing Contaminants

Although not anticipated, small spills of substances (e.g., petroleum and/or other fluids) may occur. Any releases would be cleaned up, containerized and provided to WGS (881-3068) for management/disposition. The spill notification team (241-6400) and environmental support (680-5844) would also be notified.

Using, Reusing, and Conserving Natural Resources

Scrap material, such as wood and metal, will be recycled to the extent practical. All applicable waste will be diverted from disposal in the landfill when possible. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For projects checked above as "CX," the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted

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releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References: 10 CFR 1021, Appendix B to subpart D, items B1.15 "Support buildings" and B1.24 "Property transfers."

Justification: Project activities described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D, items B1.15 "Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular 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, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.5, B6.6, and B6.10 of this appendix;" and B1.24 "Transfer, lease, disposition, or acquisition of interests in personal property (including, but not limited not, equipment and materials) or real property (including, but not limited to, permanent structures and land), provided that under reasonably foreseeable uses (1) there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment and (2) the covered actions would not have the potential to cause a significant change in impacts from before the transfer, lease, disposition, or acquisition of interest."

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: 11/2/2015