

NEPA REVIEW SCREENING FORM

Document ID Number:

DOE/CX-00139

I. Project Title:

Mission Support Alliance (MSA) Shutdown of Waste Sampling and Characterization Facility under 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.28

II. Project Description and Location (including Time Period over which proposed action will occur and Project Dimensions - e.g., acres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.):

The Waste Sampling and Characterization Facility (WSCF Laboratory) is located between 200 East Area and 200 West Area, along Hanford Route 3. It was built in the 1990s to analyze samples with trace amounts of chemicals and radioactive materials from environmental surveillance and monitoring activities, as well as cleanup operations at Hanford. The WSCF Laboratory does not analyze samples of spent nuclear fuel, high-level waste, or special nuclear material. Samples containing more than trace amounts of chemicals and radioactive materials are analyzed at the 222-S Laboratory in 200 West Area.

On March 19, 2014, the U.S. Department of Energy, Richland Operations Office (DOE-RL), notified the Mission Support Contractor (MSC) of its decision to close the WSCF Laboratory and remove the sample analysis work scope from the MSC contract. DOE-RL anticipates ceasing operations at the WSCF Laboratory within a year and transitioning the facility to a surveillance and maintenance mode of operation. There is currently no proposed use for the facility. The attached photograph provides an aerial view of the WSCF Laboratory.

The WSCF Laboratory will be placed in an environmentally safe and regulatory compliant configuration. The planned end-state for the WSCF Laboratory includes, but is not limited to, the isolation, stabilization, and/or disposition of:

- Facilities including fixed and mobile buildings, structures, and infrastructures;
- Equipment including mechanical, electrical, pneumatic, hydraulic, and fire protection;
- Utilities including potable and laboratory water, sewer/septic, electricity, and telecommunications;
- Analytical instrumentation including systems deactivation (purge gases, lubricate parts, disconnect supply, drain fluids, and de-energize) and instrumentation inventory;
- Material, test equipment, and radiological calibration sources in accordance with Hanford protocols, policies, and procedures;
- Chemical and radiological laboratory wastes, chemical standards/reagents, and excess sample inventories (to be treated as waste for onsite/offsite disposition at approved facilities);
- Facility records including inventory, indexing, and hard/soft copy media and software systems not limited to OMN LIMS, Horizon data management licenses, and other laboratory information management systems;
- Facility Issue Identification Forms (IIF), assessments, and other items in the Corrective Action Management System (CAMS), as appropriate;
- Facility environmental permits and licenses (Washington State Department of Health Hanford Radioactive Air Emissions License [FF-01], Hanford Air Operating Permit [AOP], and Hanford RCRA Permit requirements for Satellite Accumulation Areas, 90-Day Accumulation Areas, Universal Waste Management Areas, and other approved treatment, storage, or disposal areas, as appropriate).

The planned end-state will include placing the WSCF Laboratory in a low-cost surveillance and maintenance mode of operation in which the facility will retain minimal power to the buildings and associated structures. Water service to the buildings will be shutoff at the water main with downstream lines drained and secured. Facility equipment will be stabilized in place. Analytical instrumentation will be secured in place and disconnected in accordance with manufactures recommendations. There are adequate existing onsite and offsite facilities for the treatment, storage, and disposal of materials, equipment, and waste associated with the WSCF Laboratory shutdown, as required.

The proposed actions associated with WSCF Laboratory shutdown are addressed by 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.28, "Placing a Facility in an Environmentally Safe Condition." This categorical exclusion makes provisions for:

"Minor activities that are required to place a facility in an environmentally safe condition where there is no proposed use for the facility. These activities would include, but are not limited to, reducing surface contamination, and removing materials, equipment or waste (such as final defueling of a reactor, where there are adequate existing facilities for the treatment, storage, or disposal of the materials, equipment or waste). These activities would not include conditioning, treatment, or processing of spent nuclear

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fuel, high-level waste, or special nuclear materials."

Portions of the proposed actions associated with WSCF Laboratory shutdown are addressed by 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.27, "Disconnection of Utilities." This categorical exclusion makes provisions for:

"Activities that are required for the disconnection of utility services (including, but not limited to, water, steam, telecommunications, and electrical power) after it has been determined that the continued operation of these systems is not needed for safety."

In addition, the requirements for application of categorical exclusions to proposed actions found at 10 CFR 1021.410 and the conditions that are integral elements found at 10 CFR 1021, Subpart D, Appendix B, will be met. Actions performed under this Activity-Specific Categorical Exclusion shall not individually or cumulatively have a significant effect on the human environment. There shall be no extraordinary circumstances where normally excluded actions may have significant effects on the human environment.

A cultural and ecological resources review was conducted by resource specialists. In accordance with DOE/RL-97-56, Rev 1, "Hanford Site Manhattan Project and Cold War Era Historic District Treatment Plan," Table A.7, the WSCF Laboratory (6266 Building) is a non-contributing property that is exempt from further cultural resource reviews. An ecological resources review was also conducted. The majority of the proposed actions will be conducted on the interior of the WSCF Laboratory where there are no ecological resources concerns. The WSCF Laboratory site is highly disturbed as a result of prior construction activities. However, for proposed actions performed on the exterior of the WSCF Laboratory caution shall be exercised during the bird nesting season (March to July). If nesting birds, a pair of birds of the same species, or bird defensive behaviors are observed (vocalizations or flying at workers), then work shall stop and a qualified Ecological Resources Specialist shall be contacted to determine appropriate mitigation actions to avoid, minimize, eliminate, rectify, or compensate for potential adverse impacts prior to proceeding.

This is an activity-specific application of NEPA categorical exclusions pursuant to 10 CFR 1021, Subpart D, Appendix B, for the limited purpose of shutting down the WSCF Laboratory as directed by DOE-RL. Similar proposed future actions shall require separate NEPA review and approval by the DOE-RL NEPA Compliance Officer.

III. Reviews (if applicable):

Biological Review Report #: Verbal clearance granted based on provisions in work description.

Cultural Review Report #: Non-contributing property exempt from further review per DOE/RL-97-56.

Additional Attachments:

Aerial photograph of the WSCF Laboratory.

IV. Existing NEPA Documentation

YES NO

Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?

If "NO," proceed to Section V. If "YES," List EA, EIS, or CERCLA Document(s) Title and Number:

Not Applicable

And then complete Section VI. Provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information only. DOE NCO signature is not required.

V. Categorical Exclusion		YES	NO
Does the proposed action fall within a class of actions that is listed in Appendixes A or B to Subpart D of 10 CFR Part 1021?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the proposal connected to other actions with potentially significant impacts or result in cumulatively significant impacts (not precluded by 40 CFR 1506.1 or 10 CFR 1021.211)?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
List CX to be applied and complete Categorical Exclusion Integral Elements (where an action might fit within multiple CXs, use the CX that best fits the proposed action):			
B1.28, "Placing a Facility in an Environmentally Safe Condition"			

Categorical Exclusion Integral Elements		YES	NO
Does the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, or health, including DOE and/or Executive Orders?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the proposed action 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?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the proposed action adversely affect environmentally sensitive resources?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species such that the action is NOT contained or confined in a manner designed, operated, and conducted in accordance to applicable requirements to prevent unauthorized release into the environment?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
If "NO" to all Categorical Exclusion Integral Elements questions above, complete Section VI, and provide to DOE NCO for final Approval/ Determination and signature in Section VII.			
If "YES" to any of the Categorical Exclusion Integral Elements questions above, contact DOE NCO for additional NEPA Review.			

VI. Responsible Contractor Signatures			
	Name (Printed)	Signature	Date
Initiator	Jerry W. Cammann, NEPA-SME	<i>Jerry W. Cammann</i>	4/10/14
Cognizant Environmental Compliance Officer			

VII. Approval/Determination	
DOE NEPA Compliance Officer: <u>Diori L. Kreske, NEPA Compliance Officer (NCO)</u>	
Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class of action:	
NCO Determination - <input checked="" type="checkbox"/> CX <input type="checkbox"/> EA <input type="checkbox"/> EIS	
Signature: <u><i>Diori Kreske</i></u>	Date: <u>4/10/14</u>