

I. Project Title:
 CH2MHill Plateau Remediation Company - Small-scale research and development, laboratory operations, and pilot projects, November 2013 to November 2014

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.):
 CH2MHill Plateau Remediation Company (PRC) will be conducting indoor bench-scale research projects and conventional laboratory operations at the Maintenance and Storage Facility (MASF), Building 437 in accordance with the categorical exclusion (CX) referenced in 10 CFR 1021, Appendix B, CX B3.6, "Small-scale research and development, laboratory operations, and pilot projects".

MASF activities would include, but not be limited to:

- Research and development of technology, processes, procedures, maintenance, etc., in support of design readiness of systems and components for sludge removal, packaging, treatment. Appropriately scaled tests will be conducted using non-radioactive simulants bounding expected K Basin sludge physical properties. Scale test can include laboratory scale, bench scale or full size;
- Conventional laboratory operations (such as preparation of chemical standards and sample analysis); and
- Small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area of MASF.

Not included are demonstration actions undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Concerning ecological resource reviews, MASF work activities are conducted within an existing structure in an industrialized area, i.e., MASF is a large building inside the 400 Area fence and therefore biological reviews are not applicable.

Concerning cultural resource reviews, the MASF 437 Building is identified in Table 1.6, "Contributing Properties with No Individual Documentation Requirement" of the "Hanford Site Manhattan Project and Cold War Era Historic District Treatment Plan" (DOE/RL-97-56, Revision 1). Work activities do not involve any alteration of the building structure and activities are conducted per the design of the building. As such no cultural or historical impacts will occur.

III. Reviews (if applicable):

Biological Review Report #: Biological reviews are not applicable.

Cultural Review Report #: Cultural reviews are not applicable.

Additional Attachments:
 N/A

IV. Existing NEPA Documentation	YES	NO
Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

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):		
B3.6 Small-scale research and development, laboratory operations, and pilot projects		

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	Paul W. Martin	<i>Paul W. Martin</i>	11/5/13
Cognizant Environmental Compliance Officer	Brett M. Barnes	<i>Brett M. Barnes</i>	11/5/13

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>11/7/13</u>