

**NEPA SCREENING FORM****Document Number:**

DOE/CX-00029

**I. Project Title:**

Project L-691, 200 West Area Sanitary Sewage Lagoon

**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, etc.):**

Project L-691 will construct a sanitary sewage lagoon system near the 200 West Area of the Hanford Site. This sanitary sewage lagoon system will include a septage dump station, a multi-cell sewage lagoon plant, a septage stabilization facility, and an intermittent filter system with an evaporative lagoon. Current plans are to locate the new facility directly north of the 200 West Area perimeter fence line; near the northeast corner. The sanitary sewage lagoon system will be partially above grade and will be double-lined with flexible membranes. The sanitary sewage lagoon system will be designed for a flow of approximately 50,000 gpd and will be constructed with a leak detection and monitoring system. The sanitary sewage lagoon system will be capable of receiving wastewater and septage from the service areas within the Hanford Site, treating the wastewater, disposing the biosolids, and discharging the effluent to the evaporative lagoon, while achieving zero-discharge to the soil column. The sanitary sewage lagoon system will disturb an area approximately 31 acres in size.

Ecological resources review #2010-200-054 was completed on September 3, 2010. The ecological resources review found no plant or animal species protected under the Endangered Species Act, candidates for such protection, or species listed by Washington State as threatened or endangered. The ecological resources review was conducted outside the migratory bird nesting season. The proposed construction site for the sanitary sewage lagoon system may support ground-nesting or shrub-nesting migratory bird species (i.e., horned lark or lark sparrow, respectively). If construction is conducted during the period from March 1, 2011 to April 15, 2011 (the expiration date for the ecological resource review); and if any nesting birds (if not a nest, then a pair of birds of the same species or a single bird that will not leave the construction area when disturbed) are encountered or bird defensive behaviors (flying at workers, refusal to leave the area, or strident vocalizations) are observed, then a biological resource specialist will be contacted for further consultation. The ecological resource review is valid until April 15, 2011.

Hanford cultural resources review HCRC#2010-200-054 was completed on January 4, 2011. Based on archaeological survey and subsurface testing performed in the Area of Potential Effect, no cultural resources are anticipated. However, during construction activities all workers will be directed to watch for pre-contact and historic cultural resources (e.g., bones, stone tools, rock features, hearths, historic footings, foundations, ceramics, bottles, cans). If any cultural materials are encountered, then work in the vicinity of the discovery will stop until a cultural resource specialist has been notified, the significance of the find assessed, Tribes notified, and if necessary, arrangements made for mitigation of the find.

**III. Reviews (if applicable):**Biological Review Report #: 2010-200-054Cultural Review Report #: HCRC-2010-200-054No Potential to Cause Effect (NPCE) Determination:  YES     NO**IV. Existing NEPA Documentation (Steps 3 and 4 of Contractor Screening Process)**

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

**YES NO** 

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

And then complete Section VII and provide electronic copy of signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process).

<b>V. Sitewide Categorical Exclusion (see Step 5 of Contractor Screening Process)</b>	
Does the proposed action fall within the scope of a Hanford Sitewide Categorical Exclusion?	<b>YES NO</b> [ ] [X]
If "YES," list Sitewide Categorical Exclusion to be applied and complete Sitewide Categorical Exclusion Criteria: _____	
<b>Sitewide Categorical Exclusion Criteria</b>	
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	<b>YES NO</b> [ ] [ ]
Is the action connected to other actions with potentially significant impacts [see 40 CFR 1508.25(a)(1)] or result in cumulatively significant impacts [see 40 CFR 1508.25(a)(2)]?	<b>YES NO</b> [ ] [ ]
Does the proposed action impact sensitive species or their habitats?	<b>YES NO</b> [ ] [ ]
Does the action involve or disturb the Hanford Reach National Monument, Rattlesnake Mountain, Gable Mountain, Gable Butte or other Traditional Cultural Properties or properties of historic, archaeological or architectural significance, or occur within one-fourth mile of the Columbia River?	<b>YES NO</b> [ ] [ ]
If "NO" to all Sitewide Categorical Exclusion Criteria questions above, complete Section VII and provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process).	
If "YES" to any of the Sitewide Categorical Exclusion Criteria questions above, attach appropriate explanatory information and provide NRSF to DOE NCO; DOE initiates DOE NEPA Review Screening Process - Step 1 by completing Section VI and VIII, as appropriate.	
<b>VI. Categorical Exclusion</b>	
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?	<b>YES NO</b> [X] [ ]
List CX to be applied and complete Categorical Exclusion Criteria (based on Eligibility Criteria of the NEPA Determination Procedure):	
B1.26 - Siting, construction (or expansion, modification, or replacement), operation, and decommissioning of small (total capacity less than approximately 250,000 gallons per day) wastewater and surface water treatment facilities whose liquid discharges are externally regulated, and small potable water and sewage treatment facilities.	
<b>Categorical Exclusion Criteria</b>	
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?	<b>YES NO</b> [ ] [X]
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<b>YES NO</b> [ ] [X]
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?	<b>YES NO</b> [ ] [X]
Does the proposed action adversely affect environmentally sensitive resources?	<b>YES NO</b> [ ] [X]
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	<b>YES NO</b> [ ] [X]
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)?	<b>YES NO</b> [ ] [X]
If "NO" to all Categorical Exclusion Criteria questions above, DOE NCO completes Section VIII, provides electronic copy of signed NRSF to contractor, and otherwise complies with Step 4 of the DOE	

