

RL-721
REV 4

NEPA REVIEW SCREENING FORM

Document ID Number:

DOE/EA-1369 Addendum 1

I. Project Title:

Storage of K Basin Sludge in T-Plant Canyon Complex

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 proposed action would allow for cost-effective and safe storage of K Basin sludge in the 221-T Building canyon of the "T-Plant Complex". Sludge Transport and Storage Container's (STSC's) would be loaded, transferred and offloaded via truck and trailer into the 221-T Building canyon. The proposed action would be expected to store up to 70 m3 of K Basin sludge, depending upon the final storage configuration. The project is currently scheduled to be executed from 2013 to 2023. The physical modifications for the storage of the K Basin sludge do not alter the physical appearance of the 221-T-Building.

The following is a summary of DOE-EA-1369, (EA for K Basin Sludge Storage) coverage of the actions to upgrade 221-T Building based upon the current scope of work.

The FONSI indicated that several determinations on specific activities addressed in the EA would be made during the final design. The FONSI identifies the anticipated upgrade activities that would occur to T-Plant before receipt and storage of the sludge.

The following briefly describes the currently anticipated upgrade activities that would occur before sludge receipt and storage as described in the FONSI:

1. Install a new sludge storage containment system, sump pumps, leak detectors, instrumentation and controls in the 221-T Building canyon, as necessary. New floors, constructed of self-leveling frames might be added to the existing dry cells for storage of the STSC's (the EA originally evaluated using Type 1 and 2 sludge containers. STSC's will be used in lieu of these containers). The use of STSC's does not modify or require additional upgrades to those described in the FONSI for the Type 1 and 2 containers.

2. Currently activities to prepare existing dry cells to receive and store STSC's include:

>Remove and dispose of the north Load Out Pit (NLOP) sludge grouting equipment currently installed in sections 8 and 9 on the canyon deck.

>Clean out at least 3 additional cells at T-Plant which tentatively include 8R, 9L and 14R. NLOP equipment and cell debris are anticipated to be disposed of at ERDF.

>The upgrade applies to 3 additional cells for safe storage of the STSC's and will utilize existing cells (10L, 13L, and 15L) previously modified for sludge storage.

3. Develop a new remote operated (by crane) water addition system for occasional water additions

III. Reviews (if applicable):

Biological Review Report #: No Applicable

Cultural Review Report #: MSA-1104602

Additional Attachments:

IV. Existing NEPA Documentation

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:

DOE/EA-1369. K Basin Sludge Storage at 221-T Building. Hanford Site. Richland, Washington.

June 2001. FONSI issued June 20, 2001. K Basin Interim RARDR/RAWP Sup.#2. DOE/RL-99 Rev1

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.

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NEPA REVIEW SCREENING FORM (continued)

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V. Categorical Exclusion

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?

YES NO

Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?

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)?

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):

Categorical Exclusion Integral Elements

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?

YES NO

Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?

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?

Does the proposed action adversely affect environmentally sensitive resources?

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?

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 Seeley		6-18-2012
Cognizant Environmental Compliance Officer	P. T. Karschnia <i>LAE Trott for</i>		6-26-12

VII. Approval/Determination

DOE NEPA Compliance Officer: Woody Russell

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 - CX EA EIS

Signature:

Date: 6/28/12