

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 100-KR-2

Control Number: 2023-003

Waste Site Code(s)/Subsite Code(s):

100-K-47:3, 100-K-79:6, 100-K-5, and 120-KE-8

Reclassification Category: Interim Final

Reclassification Status: Closed Out No Action Rejected
 RCRA Postclosure Consolidated None

Approvals Needed: DOE Ecology EPA

Description of Current Site Waste Condition:

(what is the current physical state of the site? what activities have been performed?)

The selected remedy, (1) excavating the site to the extent required to meet specified soil cleanup levels, (2) disposing of contaminated excavation materials at the Environmental Restoration Disposal Facility (ERDF), (3) demonstrating through verification sampling that cleanup goals have been achieved, and (4) proposing the site for reclassification as Interim Closed Out.

100-K-47:3, 1904-K Process Sewer Laterals Near 105KE/KW
100-K-79:6, Treated Water and Sewer Pipelines Between 105KE Reactor and 165KE Building
100-K-5, 1705KE French Drain
120-K-8, 165KE Brine Mixing Tank

Remediation activities at the 100-K-47:3, 100-K-79:6, 100-K-5, and 120-KE-8 began in April 2021 and continued through June 2022. Overburden material was removed from the 100-K-47:3 and stockpiled for use as backfill material. The excavation to remove the waste site extended to an approximate maximum depth of 12.1 m (39.7 ft) below ground surface resulting in approximately 8,000 tons of soil and debris being disposed. All waste was loaded directly into waste containers and disposed at the ERDF. The concrete pipe tunnel (183.7KE) remains; however the 100-K-79:6 pipeline that was located within the pipe tunnel has been completely removed.

Basis for Reclassification:

(how does the site meet the reclassification status?)

The basis for reclassification is described in the attached "Remaining Sites Verification Package for the 100-K-47:3, 100-K-79:6, 100-K-5, and 120-KE-8 Waste Sites" DOE/RL-2023-26, 2023, DOE-RL, Richland, Washington. Remediation was performed in accordance with the "Remedial Design Report/Remedial Action Work Plan for the 100 Area" DOE/RL-96-17, 2009, DOE/RL, Richland, Washington, to meet the cleanup levels specified in the "Interim Remedial Action Record of Decision for the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6, and 200-CW-3 Operable Units, Hanford Site, Benton County, Washington (100 Area Remaining Sites)" EPA/ROD/RL10-99/039, 1999, EPA, Region 10, Washington State Department of Ecology, and U. S. Department of Energy, Olympia, Washington (100 Area Remaining Sites Interim ROD).

Verification sampling conducted in October 2022, determined that the site met the cleanup levels specified in the 100 Area Remaining Sites Interim ROD (EPA/ROD/10-99/039). The results of verification sampling data evaluation and fate and transport modeling indicate that residual soil concentrations do not preclude any future uses (as bounded by the rural residential land-use scenario) and allow for unrestricted use of shallow and deep zone soils. Contamination above direct exposure levels was not observed, therefore institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.

WASTE SITE RECLASSIFICATION FORM (Continued)

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Control Number: 2023-003

Waste Site Code(s)/Subsite Code(s):

100-K-47:3, 100-K-79:6, 100-K-5, and 120-KE-8

Project Manager Comments:

Waste Site Controls:

	Yes	No		Yes	No		Yes	No
Engineered Controls	<input type="radio"/>	<input checked="" type="radio"/>	Institutional Controls	<input type="radio"/>	<input checked="" type="radio"/>	O&M Requirements	<input type="radio"/>	<input checked="" type="radio"/>

If any of the Waste Site Controls are checked "Yes", specify control requirements including reference to the Record of Decision, TSD Closure Letter, or other relevant documents:

DOE Federal Project Director:

Print First and Last Name

MARK FRENCH Digitally signed by MARK FRENCH
Date: 2023.08.25 12:27:18 -07'00'

Signature / Date

Ecology Project Manager:

Print First and Last Name

Signature / Date

EPA Project Manager:

Roberto Armijo

Print First and Last Name

ROBERTO ARMIJO Digitally signed by ROBERTO ARMIJO
Date: 2023.08.30 09:13:28 -07'00'

Signature / Date