

Date Submitted: <u>06-25-2012</u> Originator: <u>L. J. Cusack</u> Phone: <u>509-376-1595</u>	<b>WASTE SITE RECLASSIFICATION FORM</b>	Control Number: 2012-017
	Operable Unit(s): <u>100-KR-2</u> Waste Site Code: <u>100-K-18</u> Type of Reclassification Action: Closed Out <input type="checkbox"/> Interim Closed Out <input checked="" type="checkbox"/> No Action <input type="checkbox"/> RCRA Postclosure <input type="checkbox"/> Rejected <input type="checkbox"/> Consolidated <input type="checkbox"/>	

This form documents agreement among parties listed authorizing classification of the subject unit as Closed Out, Interim Closed Out, No Action, RCRA Postclosure, Rejected, or Consolidated. This form also authorizes backfill of the waste management unit, if appropriate, for Closed Out and Interim Closed Out units. Final removal from the NPL of No Action and Closed Out waste management units will occur at a future date.

Description of current waste site condition:

100-K-18 Waste Site, also known as the 183-KW Caustic Neutralization Pit, was located northeast of the 183.1-KW Headhouse, northwest of the railroad tracks running in front of 183.1-KW, and southeast of the grade level concrete base of the old 183-KW Caustic Soda Storage Tank (100-K-19 Waste Site). The 100-K-18 pit was a 2.54 m (8.3 ft) long, 1.93 m (6.3 ft) wide and 0.9 m (3 ft) deep brick-lined concrete box which was originally equipped with a wooden cover. The pit received neutralized acid and sodium hydroxide waste from overflow and transfers associated with the 100-K-19 Waste Site. After neutralization, waste was flushed to a larger compartment within the neutralization pit, which then drained to the process sewer.

Between May 2010 and June 2011, the 100-K-18 Waste Site was remediated to remove the structure and associated contaminated soil. Field verification sampling began on July 8, 2011 and was completed on April 15, 2012, following the *100 Area Remedial Action Sampling and Analysis Plan*, DOE/RL-96-22, Rev. 5 (SAP), and the RA-00368, *Verification Sampling Instruction for the 100-K Area AA, Zone 2, Waste Sites 100-K-18, 100-K-19, 100-K-79 Subsites 1a and 2a, 100-K-97, 120-KW-5 and 120-KW-7* (SI).

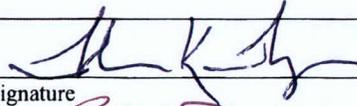
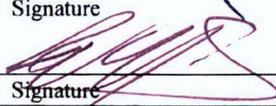
The 100-K-18 Waste Site was removed as part of the remediation. Approximately 70,557 tons of debris and contaminated soil combined from remediation of the 100-K-18, 100-K-19, 100-K-79 Subsite 1 and Subsite 2, 100-K-97, 120-KW-5 and 120-KW-7 Waste Sites were disposed of in the ERDF as part of this remedial action.

Basis for reclassification:

The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Interim 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, EPA/ROD/R10-99/039 (100 Area Remaining Sites ROD) U.S. Environmental Protection Agency, Region 10, Seattle, Washington following the requirements of the Remedial Design Report/Remedial Action Work Plan for the 100 Area, DOE/RL-96-17, Rev. 6, U.S. Department of Energy, Richland, Washington, the SAP (DOE/RL-96-22) and the SI (RA-00368). Therefore, the current status of the waste site meets the remediation requirements of the 100 Area Remaining Sites ROD (EPA/ROD/R10-99/039) and supports reclassification of this site to Interim Closed Out. In accordance with DOE/RL-96-17, the removal and disposal of waste site 100-K-18 supports future land uses that can be represented (or bounded) by a rural-residential exposure scenario. The basis for reclassification is described in detail in the *Remaining Sites Verification Package for the 100-KR-2 Operable Unit Waste Sites: 100-K-18, 100-K-19, 100-K-79 Subsite 1 and Subsite 2, 100-K-97, 120-KW-5 and 120-KW-7*, DOE/RL-2012-27 (attached).

Waste Site Controls:

Engineered Controls: Yes  No  Institutional Controls: Yes  No  O&M requirements: Yes  No

T. K. Teynor		6-27-2012
DOE Federal Project Director (printed)	Signature	Date
R. A. Lobos		6-27-2012
EPA Project Manager (printed)	Signature	Date

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