

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: <u>2012-018</u>
	Operable Unit(s): <u>100-KR-2</u> Waste Site Code: <u>100-K-19</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:

The 100-K-19 Waste Site, also known as the 183-KW Caustic Soda Storage Tank Site, was originally an above-ground, cylindrical, vertical steel storage tank on a concrete base. The above-ground tank was 7.8 m (25.5 ft) in diameter with a 287,660 L (76,000 gal) capacity. Sodium hydroxide was injected into the softened water stream in the 183.1-KW Headhouse. It was proportioned and metered in a single step operation. The softened water was used as a dilutant and as a vehicle to transport the sodium hydroxide to the injection point at the 183.4-KW Clearwells. The sodium hydroxide was also used to regenerate the ion exchange columns in the water softener system and for maintaining a neutral pH of the reactor cooling water. It was also most likely the neutralizing agent for excess or spilled sulfuric acid that was used in the 183-KW Water Treatment System.

The 100-K-19 Waste Site was located 12.2 m (40 ft) northeast of the southeast corner of the 183.1-KW Headhouse and 4.6 m (15 ft) northwest of the railroad tracks in front of 183-KW Chlorine Vault.

Between May 2010 and June 2011, the 100-K-19 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).

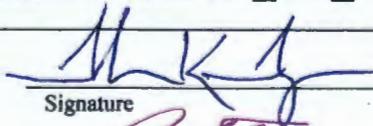
The 100-K-19 Waste Site was removed as part of the remediation. Approximately 70,557 tons of debris and contaminated soil combined from remediation of the 100-K-18, 100-K-19, 100-K-79 Subsite 1 and Subsite 2, 100-K-97, 120-KW-5 and 120-KW-7 Waste Sites were disposed of in the ERDF as part of this remedial 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-19 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		6-22-2012
DOE Federal Project Director (printed)	Signature	Date
R. A. Lobos		6-27-2012
EPA Project Manager (printed)	Signature	Date

DOE/RL-2012-27 Rev 0  
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