

Date Submitted: <u>07-03-2012</u> Originator: <u>L. J. Cusack</u> Phone: <u>509-376-1595</u>	WASTE SITE RECLASSIFICATION FORM	Control Number: 2012-024
	Operable Unit(s): <u>100-KR-2</u> Waste Site Code: <u>1607-K3</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 1607-K3 Waste Site was a sanitary sewer system composed of a septic tank, drainfield, and associated piping. The 1900 L (500 gal) septic tank was constructed of steel. There was a maximum of 1.5 m (5 ft) of fill material over the top of the tank covered by a concrete slab. The interior depth of the septic tank was 0.76 m (2.5 ft). The inlet pipe from the 183.1-KW Headhouse was 26 m (85 ft) long and was constructed of 15-cm (6-in.) vitrified clay. The pipe from the tank to the drainfield was 6.1 m (20 ft) long and was also constructed of 15-cm (6-in.) vitrified clay. The drainfield consisted of a single vitrified clay 15-cm (6-in.) pipeline, 33.5 m (110 ft) in length, laid-out with open joints. The maximum drainfield depth was 2.4 m (8 ft).

The 1607-K3 Sanitary Sewer System supported the 183-KW Water Treatment Plant, operating from 1955 to 1970. The volume of waste received is unknown. The sewer system was not known to have received hazardous or radioactive wastes, as it was installed for sanitary use.

Between April 2010 and January 2012, the 1607-K3 Waste Site was remediated to remove the structure and associated contaminated soil. Field verification sampling began on July 5, 2011 and was completed on April 29, 2012, following the *100 Area Remedial Action Sampling and Analysis Plan*, DOE/RL-96-22, Rev. 5 (SAP), and the RA-00371, *Verification Sampling Instruction for the 100-K Area AA, Zone 1, Waste Sites 100-K-34, 1607-K3, 100-K-102, Structure Footprints for the 183.1-KW Headhouse and 183-KW Chlorine Vault, and Stockpile #11* (SI).

The 1607-K3 Waste Site was removed as part of the remediation. Approximately 34,999 tons of debris and contaminated soil combined from remediation of the 100-K-34, 1607-K3 and 100-K-102 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-00371). 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 1607-K3 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-34, 1607-K3, and 100-K-102*, DOE/RL-2012-28 (attached).

Waste Site Controls:

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

T. K. Teynor		<u>July 10, 2012</u>
DOE Federal Project Director (printed)	Signature	Date
R. A. Lobos		<u>July 10, 2012</u>
EPA Project Manager (printed)	Signature	Date