

WASTE SITE RECLASSIFICATION FORM

Date Submitted:	October 8, 2012	Operable Unit(s): 100-KR-2	Control Number: 2012-090
Originator:	A. R. Sherwood	Waste Site Code: 100-K-68	
Phone:	(509) 376-6391	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: Waste Site 100-K-68, 105-KE Pump Gallery and Catch Tank, was a 2.4 m (8 ft) diameter corrugated steel caisson with a vinyl lined concrete catch tank located at the bottom of the caisson. The catch tank received overflow from the 105-KE Reactor fuel storage basin and diverted tank overflow to the 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib (116-KE-3 waste site). Located above the catch tank was a pump gallery containing two sump pumps and a ladder for access. The caisson extended from just above grade level to a buried depth of approximately 10.3 m (33.6 ft); the top of which was covered with a conical sheet metal roof with a hatch for access. The 100-K-68 waste site was located approximately 18.8 m (61.8 ft) north of the northwest corner of the 105-KE Reactor Building and was located south of, and immediately adjacent to, the 116-KE-3 waste site.

The 116-KE-3 waste site included a 20.3 cm (8 in) main feeder perforated galvanized steel pipeline, a crib structure, reverse well and test hole. The reverse well extended downward to a point 3 m (10 ft) below the mean water table. The bottom 6.1 m (20 ft) of the well casing was perforated. The crib structure has been removed except for the reverse well; however, residual soil contamination is prevalent within the surrounding region due to releases from the 116-KE-3 perforated "fishbone" patterned distribution system and reverse well casing. Contaminants associated with 116-KE-3, primarily strontium-90, have been detected in groundwater; hence, contamination from the waste site is believed to extend to the groundwater. Deep residual contamination attributed to the 116-KE-3 waste site remains underneath the footprint of the 100-K-68 waste site, and will be addressed as part of the 116-KE-3 waste site.

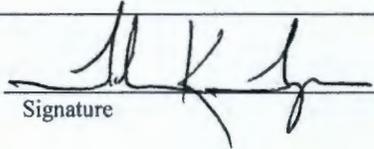
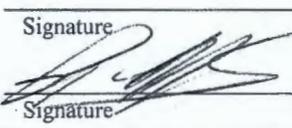
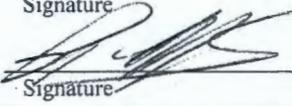
The remediation of the 100-K-68 waste site was begun in April 2010 and completed in May 2012. The remediation of this waste site excavated the caisson, catch tank, and pumping equipment. No verification sampling was performed as residual contamination beneath the 100-K-68 waste site is attributed to the 116-KE-3 waste site.

Basis for reclassification: The current site conditions achieve the remedial action objectives and 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)* following the requirements of the *Remedial Design Report/Remedial Action Work Plan for the 100 Area, DOE/RL-96-17, Rev. 6 (RDR/RAWP)*.

Therefore, the current status of the waste site supports reclassification of this site to Interim Closed Out. 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-3 (Partial), 100-K-47 (Partial), 100-K-56 Subsite 2 (Partial), 100-K-68, 100-K-69, 100-K-70, 100-K-71, and Stockpile #3, DOE/RL-2012-46, Rev. 0 (attached)*.

Waste Site Controls:

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

Tom Teyner DOE Federal Project Director (printed)		10/23/2012 Date
N/A Ecology Project Manager (printed)		10/22/2012 Date
Red Lobos EPA Project Manager (printed)		10/22/2012 Date

