1217517

## WASTE SITE RECLASSIFICATION FORM

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| Date Submitted: | October 8, 2012 | Operable Unit(s): 100-KR-2<br>Waste Site Code: 100-K-3 | Control Number: 2012-089 |
| Originator: | A. R. Sherwood | Type of Reclassification Action: | |
| Phone: | (509) 376-6391 | Closed Out ☐ Interim Closed Out ☒ No Action ☐<br>RCRA Postclosure ☐ Rejected ☐ Consolidated ☐ | |

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-3, 1706-KE Fish Pond Heat Exchanger Pit and Pump Pit, included a heat exchanger pit, a pump pit, associated concrete encased pipelines and non-encased pipelines. The approximately 3.6 m (11 ft-8 in.) wide by 5.3 m (17 ft-6 in.) long by 3.8 m (12 ft-6 in.) deep heat exchanger pit was located west of the northwest corner of the 105-KE Reactor Building. The pump pit, located approximately 9.1 to 12.2 m (30 to 40 ft) to the east of the heat exchanger pit, was approximately 2.9 m (9 ft-6 in.) wide by 2.9 m (9 ft-6 in.) long by 4.5 m (14 ft-9 in.) deep. Both the heat exchanger pit and the pump pit were buried with only a few inches extending above grade. The heat exchanger piping provided heated effluent water to the fish studies laboratory in the 1706-KE, Water Studies Semi-Works Building. The heat exchanger pit and pump pit were part of the reactor recirculation process tube systems controlled from within the 1706-KE Building. Effluent water in the recirculation tubes was cooled by the heat exchanger.

The remediation of the 100-K-3 waste site was begun in January 2010 and completed in May 2012. The remediation of this waste site excavated the heat exchanger and pump pit, associated piping, and associated contaminated soil. Verification sampling was begun June 2012 and completed by July 2012. As remediation of this waste site was performed in two remediation 'zones', verification sampling was conducted in accordance with the *100 Area Remedial Action Sampling and Analysis Plan*, DOE/RL-96-22, Rev. 5; the *Verification Sampling Instruction for Area AG Zone 1 Waste Sites within the 100-K Area: 100-K-3 (Partial), 100-K-47 (Partial), 100-K-56 Subsite 2 (Partial), 100-K-69, 100-K-70, 100-K-71 and Stockpile #3*, RA-00408, Rev. 0 and the *Verification Sampling Instruction for Area AG Zone 2 Waste Sites and Building Footprints within the 100-K Area: 100-K-3 (Partial), 100-K-36, 100-K-79 Subsite 4 (Partial), 1706-KE, 1706-KEL, and 1706-KER*, RA-00407, Rev. 0.

**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. In accordance with the RDR/RAWP (DOE/RL-96-17), the remediation of the 100-K-3 waste site supports future land use 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-3 (Partial), 100-K-36, and 100-K-79 Subsite 7 (Partial) and 1706-KE, 1706-KEL and 1706-KER Facilities*, DOE/RL-2012-40, Rev. 0 (attached) and 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.

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