0074000

Date Submitted: 5/31/07 Originator: L. M. Dittmer Phone: 372-9227	**WASTE SITE RECLASSIFICATION FORM** Operable Unit(s): 100-BC-2 Waste Site Code: 100-C-9:1 Type of Reclassification Action: Closed Out ☐ Interim Closed Out ☒ No Action ☐ RCRA Postclosure ☐ Rejected ☐ Consolidated ☐	Control Number: 2004-012 0584816

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-C-9:1 main process sewer pipeline, also known as the twin box culvert, was a dual reinforced process sewer that collected process effluent from the 183-C and 190-C water treatment facilities, discharging at the 132-C-2 Outfall. For remedial action purposes, the 100-C-9:1 waste site was subdivided into northern and southern sections. Remedial actions and verification sampling of both the northern and southern sections have been completed. Where contamination within the 100-C-9:1 twin box culvert existed in the shallow zone (i.e., < 4.6 m [15 ft] below ground surface) the concrete of the culvert and a minimum of 0.3 m (1 ft) of underlying soil has been removed and disposed at the Environmental Restoration Disposal Facility (ERDF). Evaluation of samples collected from within the twin box culvert and from soils underlying the culvert support leaving the structure in place where it exists in the deep zone (i.e., > 4.6 m [15 ft] below ground surface). Evaluation of the current condition of the 100-C-9:1 waste site supports a reclassification to Interim Closed Out. The evaluation of the 100-C-9:1 waste site involved using historical information, field observations, and analytical data from samples collected from the site.

Evaluation, remediation, and verification sampling of this site has been performed in accordance with remedial action objectives and remedial action goals established by 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*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington (Remaining Sites ROD).

Basis for reclassification:
The 100-C-9:1 subsite has been remediated to achieve the remedial action objectives specified in the Remaining Sites ROD. The results of verification sampling demonstrated that residual contaminant concentrations do not preclude any future uses (as bounded by the rural-residential scenario) and allow for unrestricted use of shallow zone soils (i.e., surface to 4.6 m [15 ft] deep). The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. The suitability of direct exposure to deep zone soils has not been demonstrated, and institutional controls are required to prevent uncontrolled drilling or excavation into the deep zone. The basis for reclassification is described in detail in the *Remaining Sites Verification Package for the 100-C-9:1 Main Process Sewer Collection Line* (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.

Institutional controls are required to prevent uncontrolled drilling or excavation into the deep zone, as specified in the Remaining Sites ROD and in the *Remaining Sites Verification Package for the 100-C-9:1 Main Process Sewer Collection Line* (attached).

K. D. Bazzell DOE Federal Project Director (printed)	Signature	6/6/07 Date
N/A Ecology Project Manager (printed)	Signature	Date
D. A. Faulk EPA Project Manager (printed)	Signature	6/11/07 Date

RECEIVED
OCT 0 1 2007
EDMC