

WASTE SITE RECLASSIFICATION FORM

Date Submitted: <u>09/21/2011</u>	Operable Unit(s): <u>200-MG-1</u>	Control Number: <u>2011-079</u>
Originator: <u>N. Chandran</u>	Waste Site Code: <u>216-S-26</u>	
Phone: <u>373-4716</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:

(Summarize status of investigation/remediation of the waste sites.)

The 216-S-26 waste site is described as a 128 m (420 ft) long, 3.1 m (10 ft) wide crib that was posted as an underground radioactive material area and was marked with cement posts and chains. A 15 cm (6 in) vitrified clay, perforated distribution pipe ran the length of the unit, 46 cm (18 in) above the bottom of the crib. Eight cm (4 in) of gravel covered a membrane barrier and the crib was covered with 2.9 m (9.5 ft) of soil. The site was part of the underground effluent discharge system of the 222-S complex. The selected alternative authorized by DOE/RL-2009-86, *Action Memorandum for Non-Time-Critical Removal Action for 37 Waste Sites in the 200-MG-1 Operable Unit* (Action Memorandum) was removal, treatment, and disposal (RTD). Available historical information and process knowledge substantiated the implementation of the RTD alternative, in accordance with DOE/RL-2009-53, *Removal Action Work Plan for 48 Waste Sites in the 200-MG-1 Operable Unit* (RAWP). Following RTD, verification and characterization sampling was performed in accordance with DOE/RL-2009-60, *Sampling and Analysis Plan for Selected 200-MG-1 Operable Unit Waste Sites*, which demonstrated that soil remaining at the 216-S-26 waste site had achieved compliance with the RALs and corresponding removal action objectives (RAOs).

The results show that residual soil concentrations of COPCs less than or equal to the RALs supports a reclassification of the 216-S-26 waste site to interim closed out. The current site conditions achieve the RALs and the corresponding RAOs established in the RAWP (DOE/RL-2009-53). The results of waste site sampling are used to make reclassification decisions for the 216-S-26 waste site in accordance with the TPA-MP-14 (DOE-RL 2007) process. Finalization of a backfill concurrence form provided to the agency(ies) constitutes concurrence that the waste site has achieved the established RAOs and thus backfill and/or contouring may occur at the 216-S-26 waste site with minimal risk. A Backfill Concurrence Form for the 216-S-26 has been approved by the regulatory agency(ies), and backfill at the waste site has been completed.

Basis for reclassification:

(For interim closeout, reference supporting documentation, as listed in Table 3.)

The current site conditions meet RALs and the corresponding RAOs specified in the Action Memorandum. The results show that the residual soil concentrations support reasonably anticipated future land uses recognized in DOE/RL-2008-44, *Engineering Evaluation/Cost Analysis for the 200-MG-1 Operable Unit Waste Sites*, and the Action Memorandum (DOE/RL-2009-86). The results also demonstrate that residual concentrations of COPCs in soil support unrestricted future use of shallow zone soil (i.e., surface to 4.6 m [15 ft] below ground surface) and that COPC concentrations remaining in the soil are protective of groundwater and the Columbia River. There is no deep zone for the 216-S-26 waste site therefore no institutional controls are required. The basis for reclassification to interim closed out is described in detail in DOE/RL-2011-88, *Response Action Report for 200-MG-1 Operable Unit Waste Sites 216-S-26 and 200-W-148-PL*, U.S. Department of Energy, Richland Operation Office, Richland, Washington.

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.

<u>D.A. Farabee</u> DOE Federal Project Director (printed)	<u>[Signature]</u> Signature	<u>9/21/11</u> Date
<u>D.R. Eina & L. Buelow</u> EPA Project Manager (printed)	<u>[Signature]</u> Signature	<u>9/21/11</u> Date

