

1246269
[0068305H]

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 100-KR-2

Control No.: 2017-027

Waste Site Code(s)/Subsite Code(s): 1607-K5

Reclassification Category: Interim Final

Reclassification Status: Closed Out No Action Rejected

RCRA Post closure Consolidated None

Approvals Needed: DOE Ecology EPA

Description of current waste site condition:

The 1607-K5 waste site was a sanitary sewer system which consisted of a concrete septic tank and a vitrified clay pipe drain field. The 1607-K5 waste site was located 150 m (490 ft) east of the 105KE reactor and just west of Wabash Avenue.

Remediation of the 1607-K5 waste site began in April 2017 and was completed in June 2017. The maximum depth of the excavation extended to 4.5 m (14.8 ft) below ground surface. An estimated 3,150 bank cubic meters (4,125 bank cubic yards) of contaminated soil and debris was removed from the 1607-K5 waste site and disposed at the Environmental Restoration Disposal Facility (ERDF). Verification soil samples were collected on July 17, 2017.

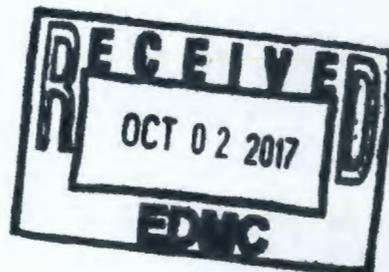
Remedial action at the 1607-K5 waste site has been performed in accordance with the remedial action objectives (RAOs) and remedial action goals (RAGs) established by the 100 Area Remaining Sites ROD (EPA/ROD/R10 99/039) and the Remedial Design Report/Remedial Action Work Plan for the 100 Areas (100 Area RDR/RAWP), Rev. 6, U.S. Department of Energy, Richland Operations Office, Richland, Washington (DOE/RL-96-17). The selected remedy involved (1) excavating the site to the extent required to meet the specified remedial action goals, (2) disposing of contaminated excavation materials at the ERDF, (3) demonstrating through verification sampling that cleanup goals have been achieved, and (4) proposing the site for reclassification as Interim Closed Out.

Basis for reclassification:

The cleanup verification sampling results were evaluated in comparison to the RAGs. In accordance with this evaluation, the verification sampling results support a reclassification of the 1607-K5 waste site to Interim Closed Out. The current site conditions achieve the RAOs and the corresponding RAGs established in the 100 Area Remaining Sites ROD (EPA/ROD/R10 99/039) and the 100 Area RDR/RAWP (DOE/RL-96-17).

The results of verification sampling show 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 demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. The site does not have residual contamination concentrations in the vadose zone that would require any institutional controls.

The basis for reclassification is described in detail in the "Remaining Sites Verification Package for the 1607-K5 Waste Site" (DOE/RL-2017-51).



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Regulator comments:

Waste Site Controls:

Engineered Controls:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Institutional Controls:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	O&M Requirements:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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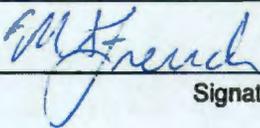
If any of the Waste Site Controls are checked Yes, specify control requirements including reference to the Record of Decision, TSD Closure Letter, or other relevant documents:

N/A



Mark French

DOE Federal Project Director (printed)



Signature

9/13/17

Date

N/A

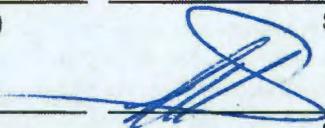
Ecology Project Manager (printed)

Signature

Date

Rod Lobos

EPA Project Manager (printed)



Signature

9-29-17

Date

