

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 300-FF-2

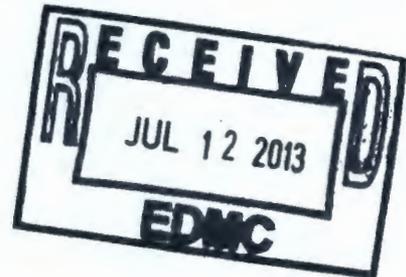
Control No.: 2001-042

Waste Site Code(s)/Subsite Code(s): 300-223

Reclassification Category: Interim Final
Reclassification Status: Closed Out No Action Rejected
 RCRA Postclosure Consolidated None
Approvals Needed: DOE Ecology EPA

Description of current waste site condition:

In June of 1999, the 300-223 tanks were removed, cleaned, and sold as scrap metal. A site assessment showed that diesel range organics and motor oils were found in all soil samples, and most were above the Model Toxics Control Act (MTCA) Method A cleanup levels of 200 mg/kg. Soils adjacent to the fill area of the tanks had the highest petroleum concentrations based on visual observations. No evidence of free product or petroleum saturated soil was found below the tanks. Visual inspection of the tanks indicated they were in good condition with no evidence of deterioration to the point that product would leak from them. Approximately 600 m³ of contaminated soil was removed from the site and taken to Pit 9 on the Hanford Site for bioremediation.


Basis for reclassification:

After visual and field screening indicated no contamination above cleanup levels remained in the excavation. In September 1999, five verification composite samples were collected and analyzed to confirm that cleanup levels had been met. One sample was each of the sidewalls at about 1 m (3 ft) above the base of the excavation and one from the floor of the excavation. All results in the diesel range were below the MTCA Method A cleanup level of 200 mg/kg for petroleum contaminated soil. The total petroleum hydrocarbon (TPH) results showed a maximum of 230 mg/kg, with an arithmetic mean result of 168.2 mg/kg, below the cleanup level of 200 mg/kg. Eleven samples were also collected and analyzed from the soil placed in the bioremediation area. A letter from the Department of Energy declaring completion of corrective action was sent to the State of Washington Department of Ecology in March 2004 (Attachment 1). A response to the Department of Energy from the State of Washington Department of Ecology was received in May 2004, stating they agreed the cleanup action is complete (Attachment 2).

300-FF-2

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 300-FF-2

Control No.: 2001-042

Waste Site Code(s)/Subsite Code(s): 300-223

Regulator Comment:

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:

T. K. Teynor

DOE Federal Project Director (printed)

Signature

6-24-2013

Date

F. W. Bond

Ecology Project Manager (printed)

Signature

6-27-13

Date

L. E. Gadbois

EPA Project Manager (printed)

Signature (concurrence)

July 8, 2013

Date

300-223 TANKS

Attachment to Waste Site Reclassification Form 2001-042

June 2013



0061370

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

300-223

04-OES-0001

MAR 1 2004

Mr. John B. Price, Project Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West Fourth Avenue
Kennewick, Washington 99336

RECEIVED
MAR 04 2004

EDMC

Dear Mr. Price:

**COMPLETION OF CORRECTIVE ACTION FOR PETROLEUM CONTAMINATED SOIL
ASSOCIATED WITH THE 384 POWERHOUSE DAY TANKS**

The "Compliance Monitoring Report for Petroleum Contaminated Soil Associated with the 300 Area Powerhouse Day Tanks" is enclosed for your review and concurrence. The report provides information about sampling, laboratory analysis, and data evaluation to confirm that petroleum-contaminated soil removed from the site of the 384 Powerhouse Day-Tanks no longer exceeds state cleanup levels. This final action signals completion of the corrective action requirements for the confirmed release from these tanks.

The "384 Powerhouse Day-Tanks Remedial Action Report" transmitted to the State of Washington Department of Ecology (Ecology) on April 3, 2000, describes the corrective action measures deemed necessary for the confirmed release from the subject tanks. In a letter dated March 14, 2001, Ecology confirmed that actions related to the removal, cleaning, and disposition of the storage tanks, as well as the removal of petroleum-contaminated soil from the release site were complete. The remaining action was to treat the petroleum-contaminated soil. The soil was taken to Pit 9 north of the 300 Area where a bioremediation cell was established. Due to radiological control requirements, the more active bioremediation methods identified in the report to provide optimal moisture, nutrient, and oxygen conditions intended to speed up bioremediation processes were not used.

Eleven samples of the soil in the bioremediation area were taken on September 11, 2003. The results indicate that the soil meets the cleanup requirements established in the "Model Toxics Control Act Cleanup Regulation" (MTCA) (WAC 173-340). The applicable section of MTCA is WAC 173-340-450, "Releases from underground storage tanks." Results of the laboratory tests were entered into Ecology's computer software program "MTCASat" to confirm they met data analysis requirements.

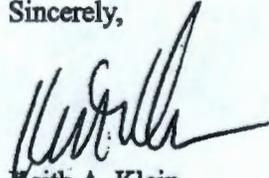
Mr. John B. Price
04-OES-0001

-2-

MAR 1 2004

Once Ecology confirms that the soil meets cleanup standards, it will be used for cover at the inert waste landfill located at Pit 9. This completes all corrective actions associated with the confirmed release for the 384 Powerhouse Day Tanks. If you have any questions, please call Mary Jarvis, of my staff, on (509) 376-2256.

Sincerely,



Keith A. Klein
Manager

OES:MFJ

Enclosure

cc w/encl:

Administrative Record
Environmental Portal, LMIT
S. Harris, CTUIR
R. Jim, YN
P. Sobotta, NPT

cc w/o encl :

C. J. Clement, FHI
B. J. Dixon, FHI
R. H. Gurske, FHI
R. R. Knight, FHI
J. P. Shearer, FHI

0061743



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

May 4, 2004

Mr. Keith Klein, Manager
Richland Operations Office
United States Department of Energy
P.O. Box 550, MSIN: A7-50
Richland, Washington 99352

RECEIVED
MAY 05 2004
EDMC

Dear Mr. Klein:

Re: Soil from 384 Powerhouse Day Tanks

The Washington State Department of Ecology (Ecology) reviewed the analytical data submitted to demonstrate completion of the cleanup action for the 384 Powerhouse Day Tanks. The United States Department of Energy (USDOE) submitted the 11 samples of soil in the bioremediation area; the samples were collected on September 11, 2003.

Ecology agrees that the reported analytical results are less than the applicable cleanup standards in Washington Administrative Code 173-340-900, Table 745-1. Ecology agrees that the cleanup action is complete, and agrees that USDOE may use the remediated soil as cover material at the Pit 9 inert demolition debris landfill.

If you have any questions, please contact Brenda Jentzen at (509) 372-7912 or me at (509) 372-7921. These phone numbers will be in service as of May 10.

Sincerely,

A handwritten signature in black ink, appearing to read "John B. Price".

John B. Price
Environmental Restoration Project Manager
Nuclear Waste Program

cc: Mike Goldstein, EPA
Mary Jarvis, USDOE
Curt Clement, FH
Brian Dixon, FH
Jeff Shearer, FH (Re: WIDS Site #300-223)
Todd Martin, HAB

Stuart Harris, CTUIR
Pat Sobotta, NPT
Russell Jim, YN
Ken Niles, ODOE
Environmental Portal
Administrative Record: 300-FF-2