

[0090809]

WASTE SITE RECLASSIFICATION FORM

Operable Unit: 300-FF-2

Control No.: 2012-117

Waste Site Code(s)/Subsite Code(s):

600-117 (310 TEDF Building)

Reclassification Category: Interim Final

Reclassification Status: Closed Out No Action Rejected

RCRA Postclosure Consolidated None

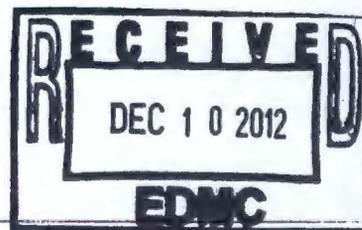
Approvals Needed: DOE Ecology EPA

Description of current waste site condition:

The 600-117 waste site is synonymous with the 310 Treated Effluent Disposal Facility (TEDF) and is located within the 300-FF-2 Operable Unit. The 600-117 waste site was assigned to a physical structure and is not considered an unplanned release, nor does it otherwise represent contaminated media adjacent to or beneath the building. As such, the 310 TEDF was demolished in accordance with Action Memorandum #3 for the 300 Area and the *Removal Action Work Plan (RAWP) for 300 Area Facilities*, DOE/RL-2004-77, Rev. 2.

The 310 TEDF was a Clean Water Act; National Pollutant Discharge Elimination System permitted waste water treatment plant. 310 TEDF treated non-hazardous and non-radiological process waste water from 300 Area operations. The facility was deactivated in 2010 with demolition of the 310 Building and foundation being completed in December 2012. Investigation of soils beneath the floor slab following demolition of that structure confirmed no releases from the building occurred during past operations.

Site completion was performed in accordance with Section 2.6 of the RAWP and included an evaluation of soils underlying the building. Field investigations that included radiological surveys and visual inspection were performed. Final radiological surveys consisted of performing Global Positioning Environmental Radiological Surveys (GPERS). All survey results (reference Attachment 1 - GPERS maps) for building footprint soils found no radionuclides are present above background concentrations, which therefore meet the 300-FF-2 Remedial Action Goals (RAGs) for residential scenario. In addition, the foundation of the main process sump located below-grade will be left in place. Hand held radiological surveys were performed on the sump surfaces and no radionuclides are present above background concentrations (reference Attachment 2 - 310 Sump RSR). A visual inspection of the excavation soils was performed and no staining or other anomalous conditions were observed. These evaluations have been performed in accordance with remedial action objectives (RAOs) established by the *Interim Action Record of Decision for the 300-FF-2 Operable Unit, Hanford Site, Benton County, Washington*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington (300-FF-2 ROD) (EPA 2001).



300-FF-2

RLPS

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Basis for reclassification:

In accordance with this evaluation, the GPERS surveys and inspection results for 600-117 (310 TEDF Building) subsurface soils support a reclassification of this waste site to Interim Closed Out. The 600-117 waste site achieves the remedial action goals established by the 300-FF-2 Interim Action ROD (EPA 2001). The results of radiological surveys show that no residual contamination exists that require long-term institutional controls. The results also show that site conditions are protective of groundwater and the Columbia River.

Regulator comments:

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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:

M. S. French

DOE Federal Project Director (printed)



Signature

12/6/12
Date

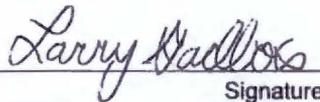
Ecology Project Manager (printed)

Signature

Date

L. E. Gadbois

EPA Project Manager (printed)



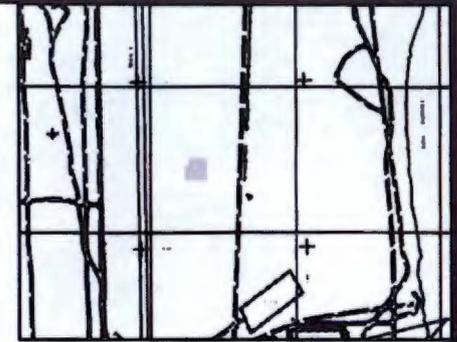
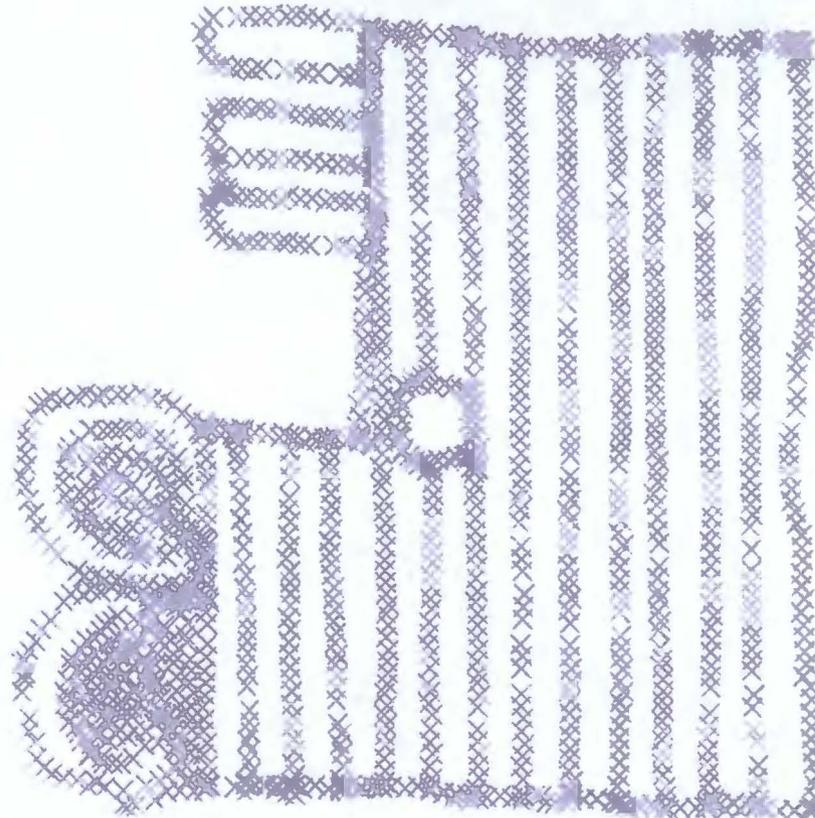
Signature

12-6-12
Date

WASTE SITE RECLASSIFICATION FORM (2012-117)

ATTACHMENT 1

**600-117 (310 BUILDING) EXCAVATION
GLOBAL POSITIONING ENVIRONMENTAL RADIOLOGICAL SURVEY MAPS**



Site View

Copy

Bkg Location
1030 meters South
1174 cpm



Legend

NET CPM

- × <1761
- 1761 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: N179
Number of Data Pnts: 1711
Type of Survey: gamma
Max GCPM: 2291
Avg Bkg CPM: 1174
Survey Date: 11/28/2012
Area Surveyed: 2150 m²
Project File: ESRFRM120138
Pdf File: ESRFRM120138C

300 D4

300 / 310 TEDF

**GPERS Radiological Survey
Gamma Track Map**

0 2 4 6 8 10

 Meters



EBERLINE
SERVICES

Survey Map Prepared By Bruce Coomer, ESI

WASTE SITE RECLASSIFICATION FORM (2012-117)

ATTACHMENT 2

**600-117 (310 BUILDING) PROCESS SUMP
RADIOLOGICAL SURVEY RECORD**

RADIOLOGICAL SURVEY RECORD

Type of Survey <input type="checkbox"/> Routine N/A <input checked="" type="checkbox"/> Work Progress			Survey # RSR - 300PS-12-4447		
RWP # / Rev. # N/A		Date 12/4/12	Time 1400	Location 300 PS/310 Pit	
Description 310 Pit Survey					
References: (e.g., SRTA, ASER, LASER, RSP, Work Package) TA-07-SR-10/12					

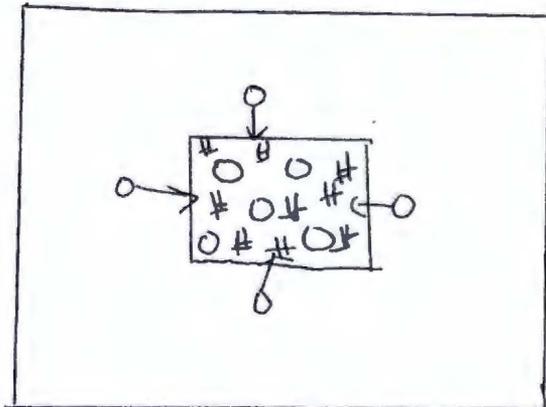
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Performed Work Progress Survey of the 310 Excavation Pit.

Performed directs (on sides and floor of pit) and tech smears (on items greater than 1" - rocks, concrete).

No contamination was found

Please note that this area is not considered a radiological area and was not posted.



CA Contamination Area	HCA High Contamination Area	RBA Radiological Buffer Area	ARA Airborne Radioactivity Area	[AS] Air Sample Location	RMA Radioactive Materials Area	RA Radiation Area	HRA High Radiation Area	VHRA Very High Radiation Area		
<input type="checkbox"/> Technical Smear	# Direct	M Large Area Wipe	T Transferable	General Area Dose Rates - Uncorrected Meter Reading (mR/hr)	All radiation readings are γ dose rates in units of mR/hr unless otherwise indicated	Contact 30 cm	N Neutrons (mRem/hr)	Δ Micro Rem (μ R/hr)	SCA Soil Contamination Area	Radiological Boundary x-x-x

Instruments

Model	ID #	Cal Due Date	Model	ID #	Cal Due Date
2360	SCLL8-0917	10/19/13	43-93	DTLLP-1014	10/19/13
2224-3	SCLLB-0180	5/14/13	43-93	DTLLP-0829	5/14/13
N/A	N/A	N/A	N/A	N/A	N/A

RCT Name/Signature/Date: Deb Poteet <i>Deb Poteet</i> 12/4/12 Dave Culver <i>Dave Culver</i> 12/4/12	RCT Supervisor Name/Signature/Date: Randy Grieder <i>Randy Grieder</i> 12/5/12 Jason McNeil <i>Jason McNeil</i> 12/5/12
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RADIOLOGICAL SURVEY RECORD

COPY
Survey # RSR -

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300PS-12-444Q

Contamination Measurement Information¹

Circled values indicate Removable β contamination in mrad/hr β

No.	Description of Item or Location	Removable (dpm/100 cm ²)				Total (dpm/100 cm ²)			
		α	α C-F	β - γ	β - γ C-F	α	α C-F	β - γ	β - γ C-F
0	Sides of pit - 1 per	<20	7	<1000	10	N/A	N/A	N/A	N/A
0	Bottom of pit - 6	<20	7	<1000	10	N/A	N/A	N/A	N/A
#	All Areas Surveyed	N/A	N/A	N/A	N/A	<500	7	<5000	10

¹ Unless stated otherwise in the "References" section, exempted β - γ (i.e., C-14, Fe-55, Ni-59, Ni-63, Se-79, Tc-99, Pd-107, Eu-155) contamination levels are ≤ 10 times the β - γ contamination levels shown above.

Corrected Dose Rate Calculations

Show all work. CF = 1 unless noted.

Location	Contact Readings		30 cm Readings	
	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR

Childers, Heather M

From: ANGELA RUFF <angelaruff509@msn.com>
Sent: Monday, December 10, 2012 8:02 AM
To: Childers, Heather M
Subject: invites update

Hello, Heather --

Here's a short list of people who have let me know they are coming, and some notes about their help. Scotty will know them. I encouraged them to make their own room reservations at Wild Horse.

Diana Beeler -- niece, who is the daughter of Aunt Gertie. Probably she will bring her beau. She's helping to spread the word with Aunt Betty and Aunt Gertie, and trying to prompt Aunt Gertie for a picture of Woody and Faye in their early years. I wrote to Aunt Gertie on facebook when we first talked, but she didn't respond. I wrote to her again last week with an update. no answer.

Angi Barrillo - Ursula's sister. She's encouraging the Gaskill family to attend. She's married and has two elementary-school age kids. let her know about the arcade, museum, and movie theatre.

Melissa Hall - Marlene's daughter (grew up McCoy). She said she would encourage her family to come -- her brother, Ron and her sister, Michelle.

I wrote to some other folks on Facebook a few days ago -- the Crawfords, Sherri Lechelt. I explained who I am and left my phone number. No response as yet.

I think we need Brad to help us get to some of Woody's pals.

Too bad about Leslie declining to come, but the opportunity is there, and she might change her mind. Let's focus on the folks are making the commitment.

Will you check into the restaurant thing...I think we should set a time for the dinner gathering, and find out if they are okay with us bringing a cake and champagne on our own (they might want us to purchase champagne there).

-Angela