

WCH Washington
Closure
Hanford**Interoffice Memorandum**

CCN 167112

TO: ID Jacques, H4-22

DATE: November 6, 2012

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FROM: RJ Vallem, N2-02

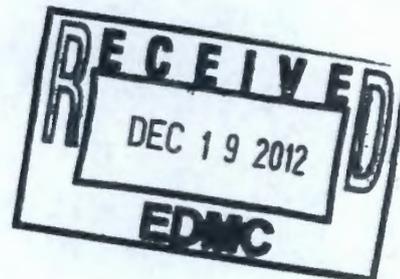
*RJV*SUBJECT: **CURRENT TRU VOLUME ESTIMATE FOR THE 618-10 TRENCHS**

I have updated the 2012 SWIFT Report TRU volume estimate for the 618-10 trenches to incorporate the latest information available. Potentially TRU waste has been exhumed from the burial ground and waste processing requirements have changed since the 2012 SWIFT Report estimate was prepared.

The current TRU volume estimate for the 618-10 trenches is 3,469 ft³ (98.23 m³) of Contact Handled TRU (CH-TRU) as identified on the attached spreadsheet. These estimates may be updated again prior to the 2013 SWIFT Report.

RJV:jls

Attachment(s): 618-10 Trench TRU Volumes for 2013 SWIFT Report



618-10 Trench TRU Volumes for 2013 SWIFT Report

Waste	Waste Type	Number of Gloveboxes	SWBs per Glovebox *	Total SWBs	Volume per SWB (m ³)	Total Volume (m ³)	Total Volume (ft ³)
Gloveboxes	CH-TRU	20	2	40	2.09	83.60	2952.3

* Based on Building 308 glovebox experience.

Waste **	Waste Type	Number of Drums	55-Gallon Drums per Drum	Total 55-Gallon Drums	Volume per Drum m ³	Total Volume m ³	Total Volume ft ³
Drums with Plutonium	CH-TRU	20	1.10	22	0.26	5.72	202.0

** Drums with plutonium were perceived as being debris drums. It turns out that debris drums can not be safely approached and therefore must be processed in a way that will have the consequence of rendering them non-TRU.

Waste	Waste Type	Number of Drums Excavated (as of 11/1/12)	Number of Drums Assumed to Have >100 nCi/g (as of 11/1/12)	Percentage of Potentially TRU Drums	Forecasted Total Drum Quantity	Forecasted Total TRU Drums
Concreted Drums	CH-TRU	125	12	9.6%	350	34

Drums Per SWB	Total SWBs	Volume per SWB (m ³)	Total Volume (m ³)	Total Volume (ft ³)
5	7	2.09	14.63	516.7

	Waste Type	Total Volume (m ³)	Total Volume (ft ³)
Grand Total:	CH-TRU	98.23	3469.0

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CHRONED BY: J Strain DATE: 11-6-12

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Distribution: ELECTRONICALLY - see attached sheet.

ID Jacques
JE Lauvrenz
JD Ludowice
RJ Vallem

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