

START

9613404.0039

0043076

PAGE

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 629006

Proj.
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. R. A. Bechtold, Data Management/K7-22/375-3882		3a. USQ Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Date 02-10-96
	5. Project Title/No./Work Order No. Tank 241-S-104	6. Bldg./Sys./Fac. No. NA	7. Approval Designator Q	
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-WM-DP-031, REV. 0B	9. Related ECN No(s). NA	10. Related PO No. NA	

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. NA	11c. Modification Work Complete N/A _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A _____ Cog. Engineer Signature & Date
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12. Description of Change

This ECN is being generated in order to provide correct units in the summary table in the existing document. Pages affected are pages 41, 59 and 92.

Remove pages 41, 59 and 92 Rev. 0 and replace with pages 41, 59, and 92 Rev. 0C

**13a. Justification (mark one)**

Criteria Change Design Improvement Environmental Facility Deactivation
 As-Found Facilitate Const Const. Error/Omission Design Error/Omission

13b. Justification Details

This ECN inserts corrected units into the summary table to provide consistency between raw data in the data package and data in the Tank Characterization Database.

14. Distribution (include name, MSIN, and no. of copies)

See Attached Distribution Sheet.

RELEASE STAMP	
DATE: _____	
STA: 4	
	ID: _____
MAR 01 1996	

"SINGLE SHELL WASTE CHARACTERIZATION TANK: S-104, CORES: 42, 43 AND 44"

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Westinghouse Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

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B&R Code: EW 3120074 Total Pages: *8850*

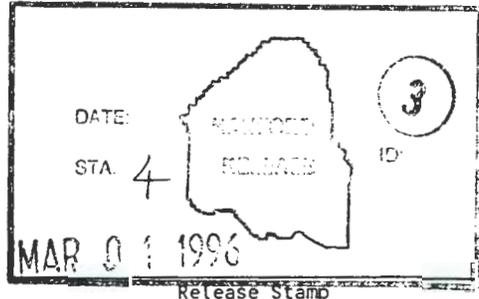
Key Words: SST, 241-S-104

Abstract: N/A

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Kara J. Broc
Release Approval _____ Date *2/29/96*



Approved for Public Release

(2) Title SINGLE SHELL TANK WASTE CHARACTERIZATION TANK S-104, CORES 42, 43, & 44

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release		
		(5) Cog. Engr.	(6) Cog. Mgr.	Date
0	(7) EDT 140668	K. K. KOCHER <i>John Koef for</i>	J. G. KRISTOFZSKI <i>John Koef</i>	10/4/93
0-A	ECN 600910: PAGE CHANGES TO ADDENDUM 9 ONLY	K. K. KOCHER <i>John Koef for</i>	J. G. KRISTOFZSKI <i>John Koef</i>	10/4/93
0-B	ECN 600912: ADDING ADDENDUM 9A "Validation Summary"	K. N. Pool <i>Connie Semple</i>	K. N. Pool <i>Connie Semple</i>	
0-C ^{RS}	ECN-629006 Page changes for 41, 59, & 92 in the initial Data package	J. Jo <i>JJo</i>	J. G. Kristofzski <i>John Koef</i>	2-28-76

S104 CORE 42 DIRECT SEGMENTS

* SEGMENT "9H"

Analyte	Std #1	PREP BLK	Result #1	Result #2	Average	RPD	% Rec	Det Lim	% Ct Err
	% Rec	(ug/g)	(ug/g)	(ug/g)	(ug/g)	%			
	F#:2215	F#:2216	F#:2168	F#:2168					
URANIUM	107.80	<1.20E+03	6.48E+03	5.71E+03	6.09E+03	12.60	98.60	1.20E+03	
		(uCi/g)	(uCi/g)	(uCi/g)	(uCi/g)			(uCi/G)	
	F#:2215	F#:2216	F#:2168	F#2168					
PU239/40	100.50	<6.30E-03	3.54E-01	2.95E-01	3.25E-01	18.20	77.40	6.30E-03	0.80
PU238	NA	NA	<9.00E-03	<8.98E-03	NA	NA	43.20	9.00E-03	2.00

* SEGMENT 6H IS EQUIVALENT TO SEGMENT 9H

9613404.0003-SD-WM-DP-031, REV 0-C

**SEGMENT "9H"

Analyte	Std #1	PREP BLK	Result #1	Result #2	Average	RPD	SPIKE
	% Rec	(ug/g)	(ug/g)	(ug/g)	(ug/g)	%	REC %
		(uCi/g)	(uCi/g)	(uCi/g)	(uCi/g)		
	F#:2164	F#:2165	F#:2166	F#:2166			
Pu239/40	98.30	<3.25E-03	1.29E-01	1.42E-01	1.36E-01	9.60	4.54E+01
Pu238			<4.48E-03	<4.47E-03	NA	NA	4.54E+01
		(ug/g)	(ug/g)	(ug/g)	(ug/g)		
	F#:2164	F#:2165	F#:2166	F#:2166			F#:2166
URANIUM	97.60	6.50E+01	4.36E+03	7.12E+03	5.74E+03	48.20	93.90

* SEGMENT 6H IS EQUIVALENT TO SEGMENT 9H

9613404.0044
MHC-SD-WM-DP-031, REV 0 - C

*SEGMENT "9H"

Analyte	Std #1	PREP BLK	Result #1	Result #2	Average	RPD	% REC	DET LIM	% CTERR
	% Rec	(uCi/g)	(uCi/g)	(uCi/g)	(uCi/g)	%		(uCi/g)	
	F#:2160	F#:2161	F#:2162	F#:2162					
PU239/40	94.60	<6.65E-03	1.85E-01	2.09E-01	1.97E-01	12.00	83.90	6.60E-03	0.60
PU238			<8.93E-03	<8.92E-03	NA	NA	82.20		
		(ug/g)	(ug/g)	(ug/g)	(ug/g)			(ug/g)	
	F#:2164	F#:2165	F#:2166	F#:2166					
URANIUM	97.70	<4.90E+02	6.77E+03	7.08E+03	6.93E+03	4.50	97.10	4.40E+02	

* SEGMENT 6H EQUIVALENT TO SEGMENT 9H

DISTRIBUTION SHEET

To Distribution	From Data Management/Characterization Technical Basis	Page 1 of 1
		Date: Feb. 10, 1996
Project Title/Work Order WHC-SD-WM-DP-031 REV. 0-C, "Single Shell Tank Waste Characterization, Tank: S-104, Cores: 42, 43 and 44"		EDT NO.: 140668
		ECN NO.: 629006

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EDMC	H6-08	X	
LTIC	T6-03		X
TCRC	R2-12	X	
TFIC (Tank Farm Information Center)	R1-20		X
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