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ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 643841

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	4. USQ Required?	5. Date
Supplemental [] Direct Revision [X] Change ECN [] Temporary [] Standby [] Supersedure [] Cancel/Void []	Jim G. Field, Data Assessment and Interpretation, R2-12, 376-3753	[] Yes [X] No	09/10/98
	6. Project Title/No./Work Order No. Tank 241-AW-103	7. Bldg./Sys./Fac. No. 241-AW-103	8. Approval Designator N/A
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-SD-WM-ER-455, Rev. ~~0-A~~ 1	10. Related ECN No(s). ECNs: 634631, 643811	11. Related PO No. N/A

12a. Modification Work	12b. Work Package No.	12c. Modification Work Complete	12d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 12b) [X] No (NA Blks. 12b, 12c, 12d)	N/A	N/A Design Authority/Cog. Engineer Signature & Date	N/A Design Authority/Cog. Engineer Signature & Date

13a. Description of Change

13b. Design Baseline Document? [] Yes [X] No

This ECN is being generated in order to exchange the title page.

SEP 1998 RECEIVED EDMC

14a. Justification (mark one)

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

14b. Justification Details

Change is required since the tank was identified as a single-shell and it is a double-shell tank.

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

See attached distribution.

RELEASE STAMP

DATE: SEP 10 1998 HANFORD RELEASE STA: 4 ID: 2.

A-7900-013-2 (05/96) GEF095

A-7900-013-1

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1) ECN-643841

16. Design Verification Required	17. Cost Impact				18. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
[] Yes	Additional	[] $	Additional	[] $	Improvement	[]
[X] No	Savings	[] $	Savings	[] $	Delay	[]

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]	Tickler File	[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
N/A		

21. Approvals

	Signature	Date		Signature	Date
Design Authority			Design Agent		
Cog. Eng. J.G. Field	J.G. Field	9/10/98	PE		
Cog. Mgr. K.M. Hall	Kathleen M. Hall	9/10/98	QA		
QA			Safety		
Safety			Design		
Environ.			Environ.		
Other			Other		

DEPARTMENT OF ENERGY

Signature or a Control Number that tracks the Approval Signature

ADDITIONAL

Tank Characterization Report for Double-Shell Tank 241-AW-103

Jim G. Field
Lockheed Martin Hanford Corp., Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: ECN-643841 UC: 2070
Org Code: 7A120 Charge Code: N4G4C
B&R Code: EW 3120074 Total Pages: 184

Key Words: Waste Characterization, Double-Shell Tank, DST, Tank 241-AW-103, Tank AW-103, AW-103, AW Farm, Tank Characterization Report, TCR, Waste Inventory, TPA Milestone M-44

Abstract: This document summarizes the information on the historical uses, present status, and the sampling and analysis results of waste stored in Tank 241-AW-103. This report supports the requirements of the Tri-Party Agreement Milestone M-44-15B.

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9/10/98
Release Approval Date

DATE: HANFORD RELEASE
STA: 4 ID: 2.
SEP 10 1998
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Approved for Public Release

RECORD OF REVISION

(1) Document Number
WHC ~~HNF~~-SD-WM-ER-455

Page 1.

(2) Title
Tank Characterization Report for Double-Shell Tank 241-AW-103

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) Initially released 7/13/95 on EDT 612550.	K. M. Hodgson	J. G. Kristofzski
RS 0A	Incorporate per ECN-634631.	M. J. Kupfer M J Kupfer 8-28-97	K. M. Hodgson K. M. Hodgson 8-28-97
RS 1	Incorporate per ECN-643811.	J.G. Field J. G. Field 7/31/98	K.M. Hall Kathleen M. Hall 7/31/98
1-A RS	Incorporate per ECN-643841.	J.G. Field J G Field 9/10/98	K.M. Hall Kathleen M. Hall 9/10/98

A-7320-005 (08/91) WEF168

HNF-SD-WM-ER-455
Revision 1A

Tank Characterization Report for Double-Shell Tank 241-AW-103

J. G. Field
S. R.Wilmarth
Lockheed Martin Hanford Corp.

M. D. Crippen
COGEMA Engineering Corporation

Date Published
September 1998

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

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Richland, Washington

Hanford Management and Integration Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

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Project Title/Work Order		EDT No. N/A
Tank Characterization Report for Double-Shell Tank 241-AW-103 HNF-SD-WM-ER-455, Rev. 1-A		ECN No. ECN-643841

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
OFFSITE					
Sandia National Laboratory P.O. Box 5800 MS-0744, Dept. 6404 Albuquerque, NM 87815					
D. Powers		X			
Nuclear Consulting Services Inc. P. O. Box 29151 Columbus, OH 43229-01051					
J. L. Kovach		X			
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SAIC 555 Quince Orchard Rd., Suite 500 Gaithersburg, MD 20878-1437					
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Los Alamos Laboratory CST-14 MS-J586 P. O. Box 1663 Los Alamos, NM 87545					
S. F. Agnew		X			
Tank Advisory Panel 102 Windham Road Oak Ridge, TN 37830					
D. O. Campbell		X			

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Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
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Lockheed Martin Hanford, Corp.					
J. G. Burton	S7-21	X			
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J. G. Field	R2-12	X			
W. E. Ross	S7-84	X			
L. M. Sasaki	R2-12	X			
B. C. Simpson	R2-12	X			
R. R. Thompson	R2-12	X			
ERC (Environmental Resource Center)	R1-51	X			
T.C.S.R.C.	R1-10	5			
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D. L. Lamberd	H5-61	X			
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A. F. Noonan	K9-91	X			