

Standard Inventories of Chemicals and Radionuclides in Hanford Site Tank Wastes

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 Lockheed Martin Hanford Corporation, Richland, WA 99352
 U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 640686 UC: 721
 Org Code: LM341000 Charge Code: N4G3A
 B&R Code: EW3120074 Total Pages: ~~472~~ 476 *JB*

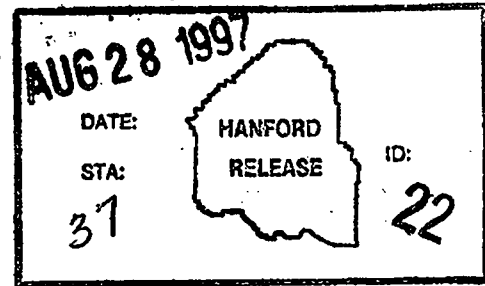
Key Words: global, inventory, best-basis, waste

Abstract: This report presents work performed to date to establish standard global and tank-by-tank component inventory estimates. This work includes: global inventory reconciliations for 26 nonradioactive components and 46 radionuclides that account for approximately 99 percent of the total tank waste inventory. To ensure that inventory values resulting from these evaluations are technically defensible and reproducible, every attempt is being made to document the bases, i.e., originating sources of assumptions, data, and background information that support these values.

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8/28/97
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Page 1 of 2

1. ECN **640686**

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. M. J. Kupfer, LMHC, H5-49, 376-6631	4. USQ Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Date 8/19/97	
	6. Project Title/No./Work Order No. NA	7. Bldg./Sys./Fac. No. NA	8. Approval Designator NA	
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-SD-WM-TI-740, Rev. 0	10. Related ECN No(s). NA	11. Related PO No. NA	

12a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 12b) <input checked="" type="checkbox"/> No (NA Blks. 12b, 12c, 12d)	12b. Work Package No. NA	12c. Modification Work Complete NA Design Authority/Cog. Engineer Signature & Date	12d. Restored to Original Condition (Temp. or Standby-ECN-only) NA Design Authority/Cog. Engineer Signature & Date
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13a. Description of Change 13b. Design Baseline Document? Yes No

Replace document release sheet with the attached release sheet.

14a. Justification (mark one)

Criteria Change <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facility Deactivation <input type="checkbox"/>
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14b. Justification Details

The updated abstract was omitted in the release sheet.

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RELEASE STAMP

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16. Design Verification Required

Yes
 No

17. Cost Impact

ENGINEERING

CONSTRUCTION

Additional \$
Savings \$

Additional \$
Savings \$

18. Schedule Impact (days)

Improvement
Delay

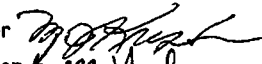
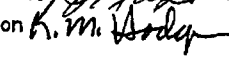
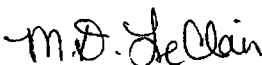
19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

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

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
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21. Approvals

	Signature	Date		Signature	Date
Design Authority			Design Agent		
Cog. Eng. M. J. Kupfer		8-28-97	PE		
Cog. Mgr. K. M. Hodgson		8-28-97	QA		
QA			Safety		
Safety			Design		
Environ.			Environ.		
Other M. D. LeClair		8/28/97	Other		

DEPARTMENT OF ENERGY
Signature or a Control Number that tracks the Approval Signature

ADDITIONAL

RECORD OF REVISION		(1) Document Number HNF-SD-WM-TI-740	Page 1
(2) Title Standard Inventories of Chemicals and Radionuclides in Hanford Site Tank Wastes			
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) Initial release 8/18/97 on EDT 603735.	M. J. Kupfer <i>M. J. Kupfer</i>	K. M. Hodgson <i>K. M. Hodgson</i>
0A RS	Incorporate per ECN 640686 8/19/97.	M. J. Kupfer <i>M. J. Kupfer</i>	K. M. Hodgson <i>K. M. Hodgson</i>

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