ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 649826

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 []	J.W. Bailey, NHC, S2-48, 372-0045	[] Yes [X] No	8/5/98
	6. Project Title/No./Work Order No. W-320/D2991	7. Bldg./Sys./Fac. No. 241-AY-102 & 241-C-106	8. Approval Designator N/A
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-2427, Rev. 1	10. Related ECN No(s). N/A	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

Revision 2 completely replaces revision 1.

14a. Justification (mark one)

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

14b. Justification Details

This revision includes documents released since last revision.

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

See attached distribution sheet

RELEASE STAMP

DATE: AUG 06 1998

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ID: 25

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

A-7900-013-1

ENGINEERING CHANGE NOTICE	Page 2 of 2	1. ECN (use no. from pg. 1) 649826

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 HNF-SD-WM-SEL-040	[]	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	[]	None	[X]
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	JW Bailey	8/6/98	Design Agent		
Cog. Eng.	MC Davenport	8/6/98	PE		
Cog. Mgr.	JW Bailey	8/6/98	QA		
QA			Safety		
Safety			Design		
Environ. N/A			Environ.		
			Other		

DEPARTMENT OF ENERGY

Signature or a Control Number that tracks the Approval Signature

ADDITIONAL

Project W-320, 241-C-106 Sluicing Supporting Documentation Bibliography

John W. Bailey
Numatec Hanford Co., Richland, WA 99352
U.S. Department of Energy Contract DE-AC09-96RL13200

EDT/ECN: 649826 UC: 506
Org Code: 8C452 Charge Code: D2991/HANA0600
B&R Code: EW3130010 Total Pages: 24

Key Words: W-320, Sluicing, Tank 241-C-106, Tank 241-AY-102, Bibliography, WRSS.

Abstract: This supporting document has been prepared to make the listing of documentation used to develop, or in support of Project W-320, readily retrievable. All documents are sorted by document number and list the document type.

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AUG 06 1998
DATE:
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Release Approval — Date 8/6/98 — Release Stamp

Approved for Public Release

RECORD OF REVISION	(1) Document Number HNF-2427	Page 1

(2) Title
Project W-320, 241-C-106 Sluicing, Supporting Documentation Bibliography

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) HNF-2427, Rev. 0, EDT 622217	N/A	N/A
1	HNF-2427, Rev. 1, revised per ECN 647629, adding documents created through May 1998 and not included in previous release.	N/A	N/A
2 RS	HNF-2427, Rev. 2, revised per ECN 649826, adding documents created through August 1998 not included in previous release.	MC Davenport	JW Bailey 8/6/98

PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
---	Tank 241-C-106 Sluicing Project Justification of Mission Need, from J. E. Lytle to T. P. Grumbly, dated August 08, 1993	PMD	DOE-RL Letter
---	Tank 241-C-106 Sluicing Project, Summary Project Plan, dated 1993	PMD	DOE-RL Report
8C620-98-001	Memorandum of Agreement Between Project W-320, Tank 241-C-106 Sluicing and Double Shell Tank Operations Regarding Project Drawing Field Verification and Affected Facility Drawing Configuration Control	OD	Internal Letter
ARH-0374	244-AR Vault Information Manual	STD	Atlantic Richfield Hanford Co. Report
ARH-2989	Functional Design Criteria Tank 241-C-106 Sluicing Facilities	CD	Atlantic Richfield Hanford Co. Report
ARH-CD-378	Thermal Conductivity of Hanford Waste Tank Solids and SX Tank Farm Soil Samples	TA	Atlantic Richfield Hanford Co. Report
ARH-CD-948	History and Status of Tanks 241-C-105 and 241-C-106	STD	Atlantic Richfield Hanford Co. Report
BNWL-1605	Climatography of the Hanford Area	E/STD	Battelle NW Lab Report
BNWL-2000	Annual Report for 1975 to the US ERDA Division of Bio-Medical and Environmental Research, Part 3: "An Investigation of Regional Flow Patterns over an Area of Complex Terrain"	E	Battelle NW Lab Report
CPS-T-149-00010	Criticality Prevention Specifications and Controls for Miscellaneous Facilities	SSD	WHC CP Spec
DOE/EA-0933	Tank 241-C-106 Past Practice Sluicing Waste Retrieval	STD	DOE-RL Report
DOE/RL-92-59	Tank Waste Remediation System - System Engineering Management Plan	PMD	DOE-RL Report
DOE-HDBK-0013-93	Recommended Values and Technical Basis for Airborne Release Fractions (ARFs), Airborne Release Rates (ARRs), and Respirable Fractions (RFS) for Materials from Accidents in DOE Fuel Cycle, Ex-Reactor Facilities	SSD	DOE Report
EPRI NP-3395	Calculation of Leak Rates Through Cracks in Pipes and Tubes	CALC	Electric Power Research Institute, Palo Alto, CA

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PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-1559	Preliminary Engineering Analysis for Safety Class and Safety Significant WRSS equipment –W-320	SSD	
HNF-1788	Project W-320 Safety Class upgrade Summary Report	SSD	
HNF-1823	Acceptance Test Procedure for the Tank 241-C-106 In-Tank Imaging System	TD	
HNF-1824	Acceptance Test Report for the Tank 241-C-106 In-Tank Imaging System	TD	
HNF-1825	C-Farm New Scope Instrumentation Upgrades	STD	
HNF-1826	C-Farm New Scope Instrumentation Upgrades, Acceptance Test Report	TD	
HNF-1827	Waste Retrieval Sluicing System – Data Acquisition System	DD	
HNF-1828	Waste Retrieval Sluicing System. Data Acquisition System Acceptance Test Report	TD	
HNF-1832	C-106 Chiller Modification	DD	
HNF-1880	Analysis for Bracket Assembly for Level Gauge with Integral Junction Box	CALC	
HNF-1977	Project W-320 Advanced Engineering Studies	STD	
HNF-2027	Portable Exhauster POR-007/Skid E & POR-008/Skid F Storage Plan	OD	
HNF-2050	Project W-320 Safety Class & Safety Significant Equipment Engineering Evaluation	SSD	
HNF-2115	System Description for 241-C-106 WRSS DAS	STD	
HNF-2152	High Heat Program, Thermal Hydraulic Computer Models	TA	
HNF-2187	Reliability Study of the 241-C-105/106 Waste Tank Ventilation Systems	SSD	
HNF-2219	Project W-320 Backup 1000 CFM Portable Exhausters Acceptance for Beneficial Use	ABU	
HNF-2254	Reliability Study of the AY-102 Annulus Ventilation System	SSD	
HNF-2270	Project W-320, User Manual for the Waste Retrieval Sluicing System Data Acquisition System (WRSS/DAS)	OD	
HNF-2317	Project W-320 High Vacuum 241-AY-102 Annulus Ventilation System Operability Test Report	TD	
HNF-2318	Management of Data for Tank 241-C-106 Retrieval	OD	

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PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-2328	Project W-320 Master Equipment List	MD	
HNF-2404	Spare Parts List for 241-C-106 Waste Retrieval	STD	
HNF-2423	Tank 241-C-106 Sluicing Project W-320 Integrity Assessment Report	STD	
HNF-2424	Project W-320 Tank C-106 Waste Retrieval Study Analysis Session Report	STD	
HNF-2425	Allowable Loads on the Sluicing Adaptor Rings (Drawing #H-2-41311) in the C-106 Pump Pit and Sluicing Pit	CALC	
HNF-2426	Project W-320, USQ Log	STD	
HNF-2427	Project W-320, 241-C-106 Sluicing Supporting Documentation Bibliography	STD	
HNF-2455	Project W-320, 241-C-106 Sluicing, Master Drawings List	OD	
HNF-2461	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 1	CALC	
HNF-2462	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 2	CALC	
HNF-2463	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 3	CALC	
HNF-2464	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 4	CALC	
HNF-2465	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 5	CALC	
HNF-2466	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 6	CALC	
HNF-2467	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 7	CALC	
HNF-2468	Project W-320, 241-C-106 Sluicing, Civil/Structural Calculations, Vol. 8	CALC	
HNF-2471	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 1	CALC	
HNF-2472	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 2	CALC	
HNF-2473	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 3	CALC	
HNF-2474	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 4	CALC	
HNF-2475	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 5	CALC	
HNF-2476	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 6	CALC	
HNF-2477	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 7	CALC	

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SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-2478	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 8	CALC	
HNF-2479	Project W-320, 241-C-106 Sluicing, Piping Calculations, Vol. 9	CALC	
HNF-2483	Project W-320, 241-C-106 Sluicing, HVAC Calculations, Vol. 1	CALC	
HNF-2484	Project W-320, 241-C-106 Sluicing, HVAC Calculations, Vol. 2	CALC	
HNF-2485	Project W-320, 241-C-106 Sluicing, HVAC Calculations, Vol. 3	CALC	
HNF-2486	Project W-320, 241-C-106 Sluicing, HVAC Calculations, Vol. 4	CALC	
HNF-2487	Project W-320, 241-C-106 Sluicing, Electrical Calculations, Vol. 1	CALC	
HNF-2488	Project W-320, 241-C-106 Sluicing, Electrical Calculations, Vol. 2	CALC	
HNF-2489	Project W-320, 241-C-106 Sluicing, Shielding Calculations, Vol. 1	CALC	
HNF-2492	Project W-320, 241-C-106 Sluicing, Cathodic Protection Calculations	CALC	
HNF-2518	Project W-320 Waste Retrieval Sluicing System BIO/SER Implementation Matrices	OD	
HNF-2519	Project W-320 Master Process Control Package, Construction Work Package and Job Control System Package List	MD	
HNF-2520	Project W-320 Instrument List	MD	
HNF-2526	Engineering Report for Project W-320 S/RID Assessment	OD	
HNF-2527	Project W-320, 241-C-106 Sluicing, Master Calculation List	CALC	
HNF-2528	Project W-320 Master Vendor Information List	MD	
HNF-2532	Project W-320, 241-C-106 Sluicing, Construction Specification W320-C1	DD	
HNF-2533	Project W-320, 241-C-106 Sluicing, Construction Specification W320-C2	DD	
HNF-2534	Project W-320, 241-C-106 Sluicing, Construction Specification W320-C5	DD	
HNF-2535	Project W-320, 241-C-106 Sluicing, Construction Specification W320-C6	DD	
HNF-2536	Project W-320, 241-C-106 Sluicing, Construction Specification W320-C7	DD	
HNF-2537	Project W-320, 241-C-106 Sluicing, Procurement Specifications, Vol. 1	DD	
HNF-2538	Project W-320, 241-C-106 Sluicing, Procurement Specifications, Vol. 2	DD	

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PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-2554	Ventilation Flow Reequirements for Tank 241-C-106	STD	
HNF-2608	Project W-320, 241-C-106 Sluicing, Construction Specifications, Vol. 6	DD	
HNF-2609	Project W-320, 241-C-106 Sluicing, Procurement Specifications, Vol. 3	DD	
HNF-2636	Project W-320, 241-C-106 Sluicing, Essential Drawing List	STD	
HNF-2637	Project W-320 Portable Exhauster Evaluation for Tank 241-AY-102	STD	
HNF-2673	Software Configuration Management Plan for 241-C-106 WRSS Data Acquisition System (DAS)	STD	
HNF-2681	Critical Design Review Plan and Summary for Project W-320, Tank 241-C-106 Sluicing	PMD	
HNF-2682	Critical Design Review of Project W-320, Tank 241-C-106 Sluicing, Construction Packages 1& 2	PMD	
HNF-2683	Critical Design Review of Project W-320, Tank 241-C-106 Sluicing, Construction Packages 3, 4 & 5	PMD	
HNF-2684	Critical Design Review of Project W-320, Tank 241-C-106 Sluicing, Construction Package 6	PMD	
HNF-2848	Operational Test Report, Project W-320 Cathodic Protection Systems	TD	
HNF-2933	Verification & Validation Interim Report for Portable 1000 CFM Exhauster Skids POR-007/Skid E & POR-008/Skid F	TD	
HNF-2934	System Design Description for Poratble 1000 CFM Exhauster Skids POR-007/Skid E & POR-008/Skid F	CD	
HNF-2950	Tank 241-C-106 In-Tank Imaging System Operational Test Report	TD	
HNF-2955	W-320 Waste Retrieval Sluicing System Operational Start Up Plan	OD	
HNF-2965	Operational Test Report for the AY-102 ENRAF Densitometer Control and Acquisition System	TD	
HNF-2980	Safety Class Procurement Evaluation for Project W-320 Portable Exhauster	STD	
HNF-2985	Project W-320 Transfer Line Safety Classification, Design Code and DBE Resistance	STD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-3021	Project W-320, Functional Design Criteria/Basis for Interim Operation-Addendum 1 Testing Matrix	TD	
HNF-3029	Deployment of Emergency Backup Portable Exhausters POR-007-Skid & POR-008-Skid F, for use by W-320 Waste Retrieval Sluicing System.	OD	
HNF-3057	Project W-320, Operational Test OTP-320-003 Test Report	TD	
HNF-3115	Project W-320 WRSS PCP/Procedure Implementation Verification	OD	
HNF-3116	W-320 Department of Health Documentation	STD	
HNF-SD-W030-RPT-001	Project W-030 Safety Equipment Evaluation	SSD	
HNF-SD-W320-ABU-001	Project W-320, Tank 241-C-106 Sluicing, Air Intake Chiller Acceptance for Beneficial Use	ABU	
HNF-SD-W320-ABU-002	Project W-320 Tank 241-C-106 Sluicing Acceptance for Beneficial Use	ABU	
HNF-SD-W320-ABU-003	Project W-320 241-AY-102 02A Pit Equipment and Modification, Acceptance for Beneficial Use	ABU	
HNF-SD-W320-ANAL-004	Transfer Line Flushing Volume and Frequency Calculations	CALC	
HNF-SD-W320-ATP-013	Acceptance Test Procedure for C-Farm Slurry Pump/Winch	TD	
HNF-SD-W320-ATP-019	C-farm Air Supply Chiller Modification, Acceptance Test Procedure	TD	
HNF-SD-W320-ATR-003	Cathodic Protection Rectifier 47	TD	
HNF-SD-W320-ATR-007	AY-Farm Electrical Distribution	TD	
HNF-SD-W320-ATR-008	AY-Farm Equipment and Instrumentation	TD	
HNF-SD-W320-ATR-009	Project W-320 Sluice Pumps/Winch	TD	
HNF-SD-W320-ATR-011	C-Farm Instrumentation	TD	
HNF-SD-W320-ATR-012	C-106 Tank Process Ventilation Test	TD	
HNF-SD-W320-ATR-013	C-Farm Slurry Pump/Winch	TD	
HNF-SD-W320-ATR-014	C-106 Tank Sluicer Control System	TD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-SD-W320-CN-001	Tank Farm Deflagration Rates Due to Various Ignition Sources Related to Sluicing C-106 to AY-102	SSD	
HNF-SD-W320-CN-002	Reliability, Availability, Maintainability (RAM) Study for W-320 Project	MD	
HNF-SD-W320-CN-003	Flammable Gas Burns and Potential Consequences from Project W-320 Sluicing Operations	SSD	
HNF-SD-W320-CN-004	Consequence Analysis of a Liner Breach Due to Steam Under the Liner	SSD	
HNF-SD-W320-CSA-001	Criticality Safety Assessment of the Tank 241-C-106 Remediation	C	
HNF-SD-W320-DB-001	Design Basis Document Project W320 Tank 241-C-106 Sluicing, Project Rebaselining Change Request: New Scope	CD	
HNF-SD-W320-ER-002	Project W-320 Thermal Evaluation	TA	
HNF-SD-W320-ER-004	Project W-320 SAR and Process Control Thermal Analysis	TA	
HNF-SD-W320-ER-005	Severe Environmental Qualification and Life Expectancy of Immersible Pump System	STD	
HNF-SD-W320-ETP-002	Authorization Basis Amendment Task Plan Tank 241-C-106 Waste Retrieval Sluicing System (WRSS) Project	DD	
HNF-SD-W320-FDC-001	Functional Design Criteria for Tank 241-C-106 Waste Retrieval Project W-320	CD	
HNF-SD-W320-FVP-001	Field Verification Plan for W-320 Project	DD	
HNF-SD-W320-IMP-001	Project W-320 Basis of Interim Operation Compliance Implementation Plan	SSD	
HNF-SD-W320-PROC-001	Project W-320 Tank 241-AY-102 Pump/Winch Maintenance Procedure	P	
HNF-SD-W320-PROC-002	Project W-320 Tank 241-C-106 Pump/Winch Maintenance Procedure	P	
HNF-SD-W320-PMP-001	Project Management Plan for Project W-320, Tank 241-C-106 Sluicing	PMD	
HNF-SD-W320-TA-001	Assessment of Project W-320 Equipment for Compliance with Flammable Gas Controls Specified by East/West Tank Farms Standing Order 97-01	SSD	
HNF-SD-W320-TI-008	Tank 241-C-106 Sluicing Project W-320 Integrity Assessment Report	DD	
HNF-SD-W320-TP-001	Project W-320 Tank 241-C-106 Waste Retrieval Sluicing System Test Plan	TD	
HNF-SD-WM-ABU-024	241-C-106 & 241-AY-102 SHMSC Acceptance for Beneficial Use	ABU	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-SD-WM-BIO-001	Tank Waste Remediation System Basis for Interim Operations (Addendum 1 is W-320 WRSS Specific)	SSD	
HNF-SD-WM-CN-098	Consequences of a Postulated Tank Bump Related to Project W-320	SSD	
HNF-SD-WM-CN-114	Calculation Note: Project W-320 Primary Ventilation Air Flow Requirements for Mitigation of Steady State Flammable Gas Concentrations in the Head Spaces of Tanks 241-C-106 & 241-AY-102	CALC	
HNF-SD-WM-CN-116	Calculation Note: Hydrogen Generation Rate of Study State Flammable Gas Concentrations for SSTs	CALC	
HNF-SD-WM-CN-117	Calculations of Hydrogen Release Rate at Steady State for Double-Shell Tanks	CALC	
HNF-SD-WM-CN-118	Calculation of Flammable Gas Mixtures in Double-Contained Receiver Tanks	CALC	
HNF-SD-WM-DB-035	Functional Requirements for Portable Exhauster System to be Used During Saltwell Pumping	CD	
HNF-SD-WM-ER-736	Intrinsically Safe Leak Detector Circuit Design Description	DD	
HNF-SD-WM-FRD-031	Tank 241-C-106 Sluicing Project Functions and Requirements Document	CD	
HNF-SD-WM-IMP-003	Flammable Gas/Slurry Growth Unreviewed Safety Question: Justification for Continued Operation Compliance Plan	SSD	
HNF-SD-WM-MAR-013	Tank 241-C-106 Sluicing Project Mission Analysis	PMD	
HNF-SD-WM-PC-002	Tank Farms Essential Drawing List	OD	
HNF-SD-WM-PCP-013	Tank 241-C-106 Waste Retrieval Sluicing System Process Control Plan	OD	
HNF-SD-WM-PTP-030	Process Test Plan: Tank 241-C-106-296-P-16 Exhauster Outage	TD	
HNF-SD-WM-RD-057	Tank Waste Remediation System Safety Structures, Systems, and Components: Requirements and Characteristics	CD	
HNF-SD-WM-RPT-293	Repository of Not Readily Available Documents for Project W-320	STD	
HNF-SD-WM-SDD-074	Double Shell Tank Primary Exhaust Flow Monitoring System Design Description	SSD	
HNF-SD-WM-TI-804	Waste Compatibility Assessments to Support Project W-320	C	

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PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
HNF-SD-WM-TI-810	HWVP High Efficiency Metal Filter Testing	STD	
HNF-SD-WM-TSR-006	W-320 TSR Changes	SSD	
ISR-93-0870	Design Control Related to Project W-320 and Implementation of Letters of Instruction (LOI's)	DD	
ISR-95-0127-200	Project W-320 Qualification & Training Plan Development and Implementation	TPD	
LA-UR-92-3196	A Safety Assessment for Proposed Pump Mixing Operations to Mitigate Episodic Gas Releases in Tank 241-SY-101	SSD	Los Alamos National Lab, NM
OSD-T-151-00007	Operating Specifications for the 241-AN, AP, AW, AY, AZ, and SY Tank Farms	OD	WHC Specification
OSD-T-151-00013	Operating Specifications for Single-Shell Waste Storage Tanks	OD	WHC Specification
OSD-T-151-00016	Operating Specifications for the 241-A-702 Vessel Ventilation System	OD	WHC Specification
OSD-T-151-00017	Operating Specifications for Aging-Waste Operations in 241-AY and 241-AZ	OD	WHC Specification
PNL-03509	Standardized Input for Hanford Environmental Impact Statements, Part II: Site Description	E	
PNL-04622	Climatological Summary for the Hanford Area	E	
PNL-06328	Estimation of Ground-Water Travel Time at the Hanford Site: Description, Past Work, and Future Needs	SSD	
PNL-06415	Hanford Site National Environmental Policy Act (NEPA) Characterization	EPD	
PNL-06584	GENII - The Hanford Environmental Radiation Dosimetry Software System	STD	
PNL-06684	The Data Collection Component of the Hanford Meteorological Monitoring Program	STD	
PNL-06820	Hydrogeology of the 200 Areas Low Level Burial Grounds	E/SSD	
PNL-07803	Hanford Area 1990 Population and 50-Year Projections	STD	
PNL-09403	Analysis of Liquid Samples from Hanford Waste Tanks	C	
PNL-10120	Mechanisms of Gas Bubble Retention	SSD	
PNL-10285	Estimated Recharge Rates at the Hanford Site	STD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
PNL-10508	Estimation of Natural Ground Water Recharge for the Performance of a Low-Level Waste Disposal Facility at the Hanford Site	STD	
PNL-10550	Environmental Settings for Selected U.S. Department of Energy Installations- Support Information for the Programmatic Environmental Impact Statement and the Baseline Environmental Management Report	E	
PNL-10740	Gas Bubble Retention and Its Effect on Waste Properties: Retention Mechanisms, Viscosity, and Tensile and Shear Strengths	SSD	
PNL-11107	Climatological Data Summary 1995, with Historical Data	E/STD	
RFSH-RDH-9750285	Construction Report for Project W-320 Septic Holding Tank	STD	
RHO-BWI-C-120	Flood Risk Analysis of Cold Creek Near the Hanford Site	E/SSD	Rockwell Hanford Co. Report
RHO-BWI-ST-14	Subsurface Geology of the Cold Creek Syncline	E/SSD	Rockwell Hanford Co. Report
RHO-BWI-ST-19	Preliminary Interpretation of Tectonic Stability of the Reference Repository Location - Cold Creek Syncline	E/SSD	Rockwell Hanford Co. Report
RHO-CD-967	Tank 241-C-106 Thermal Assessment and Heat Transfer Analysis	TA	Rockwell Hanford Co. Report
RHO-LD-171	Heat Transfer Analysis for In-Situ Disposal of Nuclear Wastes in Single- and Double-Shell Underground Storage tanks	TA	Rockwell Hanford Co. Report
RHO-RE-EV-97	Tanks 105-C and 106-C Stabilization Study	STD	Rockwell Hanford Co. Report
RHO-RE-ST-12P	An Assessment of Aquifer Intercommunication with B Pond-Gable Mountain Pond Area of the Hanford Site	SSD	Rockwell Hanford Co. Report
RHO-ST-23	Geology of the Separations Areas, Hanford Site, South-Central Washington	E/SSD	Rockwell Hanford Co. Report
RHO-ST-30	Hanford Radioactive Tank Cleanout and Sludge Processing	STD	Rockwell Hanford Co. Report

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
RHO-ST-42	Hydrology of the Separations Area	E/SSD	Rockwell Hanford Co. Report
SD-RE-TI-121	Specific Activity and Heat Generation for Selected Radionuclides	TA	Rockwell Hanford Co. Report
SD-RE-TI-131	Basis and Values for Specific Activity and Decay Heat Generation Rates for Selected Radionuclides	TA	Rockwell Hanford Co. Report
SD-WM-ADP-004	Computer Prediction of Evaporator Operations	OD	
SUR-1994-0106	C02 Impingement Decontamination System Procurement Activities	QAD	
SUR-1994-0108	Management Assessment of Project W-320	QAD	
SUR-1994-0111	Projects W-151 & W-320 Document Control Activities	QAD	
SUR-1994-0112	Tank 241-C-106 Sluicing & Equipment Removal System Review Vendor Documentation Package	QAD	
SUR-1994-0113	Projects W-030 & W-320 Control of M & TE	QAD	
SUR-1994-0114	Project W-320 Control of Special Processes	QAD	
SUR-1994-0118	Projects W-030 & W-320 Test Control	QAD	
TF-96-0433	Consolidation of Flammable Gas/Slurry Growth Unresolved Safety Question Issues	SSD	WHC Report
TR-W-320-281	Tank 241-C-106 Sluicing Project W-320 Integrity Assessment	DD	ICF Kaiser Report
UCRL-15910	Design and Evaluation Guidelines for DOE Facilities Subjected to Natural Phenomena Hazards	STD	U of CA Research Lab, Berkeley
UCRL-21069	Probabilistic Flood Hazard Assessment for the N Reactor Hanford, Washington	E/SSD	U of CA Research Lab, Berkeley
UCRL-53526	Natural Phenomena Hazards Modeling Project: Extreme Wind/Tornado Hazard Models for Department of Energy Sites	E/SSD	U of CA Research Lab, Berkeley
VIDEO-4808/1	Sluicing Project Fly-by C-106/102AY (misc. Videos)	PMD	
W-320-C6	Construction Specification Tank 241-C-106 Sluicing Package 5, Process Building Skid Fabrication Work Order ER4	DD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
W-320-C7	Construction Specification Tank 241-C-106 Sluicing Package 3, AY Tank Farm	DD	
WHC-EP-0210	Waste Characterization Plan for Hanford Site Single-Shell Tanks	C	
WHC-EP-0373	Summary Status on the Seismic Evaluations of Hanford Site Radioactive Waste Storage Tanks	CALC	
WHC-EP-0473	Action Plan for Response to Excessive Temperatures in Hanford Site High-Heat Waste Tank 241-C-106	PMD	
WHC-EP-0479	Facility Effluent Monitoring Plan for the Tank Farm Facility	OD	
WHC-EP-0532	High-Heat Tank Safety Issue Resolution Program Plan	PMD	
WHC-EP-0586	Tank Selection Criteria and Retrieval Recommendations for Tri-Party Agreement Milestone M-07	PMD	
WHC-EP-0600	Status Report on Resolution of Waste Tank Safety Issues at the Hanford Site	SSD	
WHC-EP-0681	Interim Criteria for Organic Watch List Tanks at the Hanford Site	CD	
WHC-EP-0698	Groundwater Impact Assessment Report for the 216-U-14 Ditch	E	
WHC-IP-0263-TF	Building Emergency Plan for Tank Farm Facilities	OD	
WHC-IP-0690	Safety Analysis and Regulation Manual	SSD	
WHC-MR-0023	Evaluation of Seismic Hazard for Non-Reactor Facilities Hanford Reservation, Hanford, Washington	STD	
WHC-MR-0132	A History of the 200 Area Tank Farms	STD	
WHC-MR-0293	Legend and Legacy: Fifty Years of Defense Production at the Hanford Site	STD	
WHC-MR-0419	Laboratory Reports for WHC-SD-WM-ES-244	C	
WHC-S-0490	Specification for a Portable Exhauster System for Waste Tank Ventilation	DD	
WHC-SD-672-FDC-001	FDC 102-AY Annulus Ventilation Duct Upgrade, Project B-672	CD	
WHC-SD-EN-TI-019	Hydrogeologic Model for the 200 East Groundwater Aggregate Area	STD	
WHC-SD-ER-TI-0003	Geology and Hydrology of Hanford Site: A Standardized Text for Use in Westinghouse Hanford Company Documents and Reports	E/SSD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
WHC-SD-GN-DGS-30011	Radiological Design Guide	CD	
WHC-SD-GN-DGS-303	Backup Electrical Power System Definitions and Design Criteria	CD	
WHC-SD-GN-ER-30009	Bibliography and Summary of Geotechnical Studies at the Hanford Site	E/SSD	
WHC-SD-GN-TI-30003	A Model for Estimating the Release of Aerosol Droplets from Pressurized Liquid Leaks	SSD	
WHC-SD-HS-SAR-016	PUREX MKII Canister Decapping/Charging Machine Hazards Analysis	SSD	
WHC-SD-RE-SAP-013	Safety Analysis Report for Packaging, Railroad Liquid Waste Tank Cars	SSD	
WHC-SD-RE-TI-053	Riser Configuration Document for Single-Shell Waste Tanks	OD	
WHC-SD-RE-TI-093	Double-Shell Underground Waste Storage Tank-Riser Survey	OD	
WHC-SD-RE-TI-205	Data Transmittal Package for 241-C-106 Waste Tank Characterization	C	
WHC-SD-SQA-CSA-20356	An Analytical Model for Evaluating Subcritical Limits for Waste in Hanford Site Storage Tanks	SSD	
WHC-SD-SQA-CSA-20363	CSER 94-001: Criticality Safety of Single-Shell Waste Storage Tanks	SSD	
WHC-SD-SQA-TA-20011	Technical Assessment of Workplace Air Sampling Requirements at the Tank Farm Facilities	SSD	
WHC-SD-TD-TI-001	Single Shell Tank Contents	C	
WHC-SD-TP-PDC-015	Packaging Design Criteria Transfer & Disposal of Equipment Tank 241-C-106 Waste Sluicing System	CD	
WHC-SD-TP-SEP-011	Safety Evaluation for Packaging, Railroad Liquid Waste Tank Cars	SSD	
WHC-SD-TP-SEP-024	Safety Evaluation for Packaging Transportation of Equipment for Tank 241-C-106 Waste Sluicing System	SSD	
WHC-SD-TWR-RPT-002	Structural Integrity and Potential Failure Modes of the Hanford High-Level Waste Tanks	SSD	
WHC-SD-W139-ES-001	Interim Stabilization of Tank 241-C-106 Engineering Study	ES	
WHC-SD-W139-ES-002	Partial Retrieval of Tank 241-C-106 for Interim Stabilization	ES	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
WHC-SD-W139-ES-003	Preliminary Engineering Safety Study for Project W-139	SSD	
WHC-SD-W139-WP-001	Engineering Studies in Support of Project W-139, Tank 241-C-106 Waste Retrieval	ES	
WHC-SD-W211-QAPP-002	Project Specific Quality Assurance Plan, W-211, Initial Tank Retrieval Systems Tanks 241-SY-103, 241-AN-103, 104, 105, 106, 241-AP-101, 241-AW-101, 241-AY-102, 241-AZ-102	QAD	
WHC-SD-W236-TI-002	Probabilistic Seismic Hazard Analysis, DOE Hanford Site, Washington	SSD	
WHC-SD-W320-ANAL-001	Tank 241-C-106 Structural Integrity Evaluation for In-Situ Conditions Retrieval, SST Analysis	SSD	
WHC-SD-W320-ANAL-002	Seismic Evaluation of Tank 241-C-106 in Support of Retrieval Activities Analysis	SSD	
WHC-SD-W320-ANAL-003	Tank 241-C-106 Structural Evaluation in Support of Project W-320 Retrieval	CALC	
WHC-SD-W320-ATP-001	Cathodic Protection Rectifier 46	TD	
WHC-SD-W320-ATP-002	Cathodic Protection Addition of 6 Anodes to Existing Rectifier 31	TD	
WHC-SD-W320-ATP-003	Cathodic Protection Rectifier 47	TD	
WHC-SD-W320-ATP-004	ERS, C Farm Electrical Distribution	TD	
WHC-SD-W320-ATP-005	ERS, AY-Farm Electrical Distribution	TD	
WHC-SD-W320-ATP-006	C-Farm Supply Air Chiller	TD	
WHC-SD-W320-ATP-007	AY-Farm Electrical Distribution	TD	
WHC-SD-W320-ATP-008	AY Farm Equipment & Instrumentation Sluicing, Pit Chiller	TD	
WHC-SD-W320-ATP-009	AY Farm Sluice Pump & Winch	TD	
WHC-SD-W320-ATP-010	C-Farm Electrical Distribution	TD	
WHC-SD-W320-ATP-011	C Farm Instrumentation	TD	
WHC-SD-W320-ATP-012	C-106 Tank Process Ventilation Test Sluicing	TD	
WHC-SD-W320-ATP-014	Acceptance Test Procedure for C-106 Tank Sluicer Control System SST Retrieval	TD	
WHC-SD-W320-ATR-001	Cathodic Protection Rectifier 46, Inter-farm Cathodic Protection SST	TD	

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WHC-SD-W320-ATR-002	Cathodic Protection Addition of 6 Anodes to Existing Rectifier 31	TD	
WHC-SD-W320-ATR-004	ERS C-Farm Electrical Distribution	TD	
WHC-SD-W320-ATR-005	ERS AY-Farm Electrical Distribution	TD	
WHC-SD-W320-ATR-006	C-Farm Supply Air Chiller	TD	
WHC-SD-W320-ATR-010	C-Farm Electrical Distribution	TD	
WHC-SD-W320-CBA-001	W-320 Pit Liner vs Coating Cost Risk Benefit Analysis	DD	
WHC-SD-W320-CMP-001	Configuration Management Plan	PMD	
WHC-SD-W320-DA-001	Structural Analysis of The Equipment Removal System for Tanks 241-C-106 and 241-AY-102 Bending, Safety Factor Container, Strong-back, Weld, Wind, Hoist, Lug Bolt, Hydraulic	CALC	
WHC-SD-W320-DA-002	Structural Analysis of the Modified Trailer for Pump Transport Bending, Safety Factor, Tie-down, Steel Deck, Shear, Weld	CALC	
WHC-SD-W320-DA-003	Bolting Sequence for Attaching the Container to the Strong-back Plate, Bracket, Snug Tight	CALC	
WHC-SD-W320-DA-004	Spool Assembly Support Analysis Heel Pit, Pump Pit, Sluicing Pit	CALC	
WHC-SD-W320-DA-005	Shot Loading Platform Analysis	CALC	
WHC-SD-W320-DA-006	Shot Loading Trainer Analysis	CALC	
WHC-SD-W320-DA-007	Structural Analysis of the Heel Jet Secondary Catch Mechanism	CALC	
WHC-SD-W320-EE-001	Dose and Health Effect Estimate for Project W-320	SSD	
WHC-SD-W320-EIP-001	Tank 241-AY-102 Immersible Pump P-0621 & Winch Assembly W-0621 Assembly and Installation Instructions	DD	
WHC-SD-W320-EIP-002	Tank 241-C-106 Immersible Pump P-1361 & Winch Assembly W-1361 Assembly and Installation Instructions	DD	
WHC-SD-W320-EV-001	Permitting Plan for Project W-320 Tank 241-C-106 Waste Retrieval Sluicing System (WRSS)	EPD	

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WHC-SD-W320-FHA-001	Fire Hazard Analysis for Project W-320 Tank 241-C-106 Waste Retrieval	SSD	
WHC-SD-W320-OTP-005	Tank 241-C-106 In-Tank Imaging System ATP & OTP	TD	
WHC-SD-W320-OTP-006	Project W-320 Cathodic Protection System Operational Test	TD	
WHC-SD-W320-PLN-001	Project Plan for the Tank 241-C-106 Sluicing Project at Hanford	PMD	
WHC-SD-W320-QAPP-001	Project Specific Quality Assurance Plan, W-320, Tank 241-C-106 Sluicing	QAD	
WHC-SD-W320-SP-001	Project W-320 Position Paper Criticality Concern	SSD	
WHC-SD-W320-SP-002	Project W-320 Position Paper - Flammable Gas Issue	SSD	
WHC-SD-W320-SUP-002	Project W-320 ALARA Plan	PMD	
WHC-SD-W320-TC-001	Project W-320 52 inch Diameter Equipment Container Load Test	TD	
WHC-SD-W320-TC-002	Project W-320 Heel Jet Secondary Catch Mechanism Lateral Load Test	TD	
WHC-SD-W320-TI-001	Tank 241-C-106 Sluicing Operations Description	STD	Obsolete
WHC-SD-W320-TI-002	Project W-320 Tank 241-C-106 Sluicing Process Flowsheet	PC	Obsolete
WHC-SD-W320-TI-003	An Analysis of Energy and Temperature Effects for Tank 241-AY-102	TA	
WHC-SD-W320-TI-004	Tank 241-C-106 Waste Retrieval Sluicing System (WRSS) Operations Manual	OD	Obsolete
WHC-SD-W320-TI-006	Tank 241-C-106 Waste Retrieval Sluicing System (WRSS) Operations Description Document	STD	
WHC-SD-W320-TI-007	Flammable Gas & Steam Release Controls for WRSS Operation Project W-320	SSD	
WHC-SD-W320-TIS-001	Qualification Test for the Flexible Receiver	TD	
WHC-SD-W320-TR-001	Qualification and Training Plan for Single Shell Tank Retrieval Projects	TPD	
WHC-SD-W320-TRP-001	Project W-320 Heel Jet Secondary Catch Mechanism Lateral Load Test: Test Report	TD	
WHC-SD-W320-TRP-002	Project W-320 52 inch Diameter Equipment Container Load Test Report	TD	
WHC-SD-W320-TRP-003	Project W-320 Combined Pump/Winch Assembly Test- Test Report	TD	
WHC-SD-W320-TRP-004	Tank 241-C-106 Waste Retrieval Sluicing System (WRSS) Sluicer Assembly Test Report	TD	

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WHC-SD-W320-WP-001	Work Plan Permitting Support for Tank 241-C-106 Waste Retrieval	E	
WHC-SD-W320-WP-002	Project W-320 Equipment Removal System Development Control Engineering Work Plan	DD	
WHC-SD-W320-WP-003	Project W-320 Equipment Removal System Development Control Engineering Work Plan for ICF KH Designed Components	DD	
WHC-SD-W340-ER-001	Tank 241-C-106 Penetration Enlargement, Sequencing and Construction Estimate	STD	
WHC-SD-W340-HC-001	Initial Hazard Categorization Report for Tank 241-C-106 Waste Retrieval Project W-340	SSD	
WHC-SD-WM-CN-102	Radiological & Toxicological Consequences of a Worst Case Spray Leak Related to Project W-320	SSD	
WHC-SD-WM-DA-150	Structural Sensitivity Evaluations of Single and Double Shell Waste Tanks for Accelerated Safety Analysis – Phase 1	CALC	
WHC-SD-WM-DA-153	Evaluation of Strength and Modulus Degradation Due to Temperature Effects on Hanford Concrete	CALC	
WHC-SD-WM-DGS-005	Equipment Design Guidance Document for Flammable Gas Waste Storage Tank, New Equipment	CD	
WHC-SD-WM-DQO-001	Data Quality Objectives for the Waste Compatibility Program	C	
WHC-SD-WM-ER-075	Thermal Analysis of Tanks 241-C-105 and 241-C-106 Using TAPA as the Thermal Analysis Code	TA	
WHC-SD-WM-ER-114	Analysis of Tank Bump Potential During In-Tank Washing Operations Proposed for the 241-AZ Tanks	SSD	
WHC-SD-WM-ER-144	Thermal Evaluation of Options for the In-Situ Interim Stabilization of Tank 241-C-106	TA	
WHC-SD-WM-ER-161	Thermal History of Tank 241-C-106	TA	
WHC-SD-WM-ER-189	Thermal Analysis of Tank 241-C-105 in Support of Process Test	TA	

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WHC-SD-WM-ER-190	Code Selection for Primary Tank Secondary Confinement and Process Piping of the Multi-Function Waste Tank Facility	STD	
WHC-SD-WM-ER-200	Revised Thermal History of Tank 241-C-106	TA	
WHC-SD-WM-ER-217	Tank 241-C-106: Radial Variation of Thermal Conductivity and Heat Generation	TA	
WHC-SD-WM-ER-286	Requirements for Tank Waste Remediation System Retrieval Training and Test Facilities	CD	
WHC-SD-WM-ER-290	Tank 241-C-106 Parametric Studies in Support of Safety Alternative Process	SSD	
WHC-SD-WM-ER-379	An Assessment of the Potential for A Steam Bump in Hanford Waste Tank 241-C-106	TA	
WHC-SD-WM-ER-410	Tank Characterization Report for Double Shell Tank 241-AZ-101	C	
WHC-SD-WM-ER-411	Tank Characterization Report for Double Shell Tank 241-AZ-102	C	
WHC-SD-WM-ER-526	Evaluation of Hanford Tanks for Trapped Gas	SSD	
WHC-SD-WM-ER-532	NCAW Consolidated Management Plan	PMD	
WHC-SD-WM-ER-576	Compilation of Hydrogen Data for 22 Single Shell Flammable Gas Watch List Tanks	SSD	
WHC-SD-WM-ER-588	Tank 241-C-106 Sluicing Evaluation	STD	
WHC-SD-WM-ER-590	Revised Tank Heat Load Estimate for Tank C-106 Based on GOTH Analysis of the Process Test	TA	
WHC-SD-WM-ER-594	Evaluation of Recommendation for Addition of Tanks to the Flammable Gas Watch List	SSD	
WHC-SD-WM-ER-605	Tank Characterization Report for Double Shell Tank 241-AY-101	C	
WHC-SD-WM-ER-615	Tank Characterization Report for Single-Shell Tank 241-C-106	C	
WHC-SD-WM-ES-218	Engineering Study: Tank Leaks Related to Hydraulic Retrieval of Sludge from Tank 241-C-106	E	
WHC-SD-WM-ES-234	Tank 106-C Sluicing Letter Report	CDR	
WHC-SD-WM-ES-244	241-C-106 to 241-AY Tank Farm Waste Transfer Compatibility Study (Preliminary)	C	
WHC-SD-WM-ES-252	Review of Prior Single Shell Tank Waste Retrieval Process Studies	STD	

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PROJECT W-320, 241-C-106 SLUICING, SUPPORTING DOCUMENTATION BIBLIOGRAPHY

SORTED BY DOCUMENT NUMBER

DOCUMENT #	TITLE	DOC TYPE	REMARKS
WHC-SD-WM-ES-256	Subsurface Barrier Engineering Study	E	
WHC-SD-WM-ES-279	Air Cooling/Heat Removal from Tank 241-C-106	ES	
WHC-SD-WM-ES-286	Single & Double Shell Tanks Load Report	CALC	
WHC-SD-WM-ES-290	Chemical Compatibility of Tank Wastes in Tanks 241-C-106, 241-AY-101 & 241-AY-102	C	
WHC-SD-WM-ES-291	Tank Farm Sampling System Configuration and Efficiency Study	C	
WHC-SD-WM-ES-387	Probability, Consequences, and Mitigation for Lightening Strikes of Hanford High Level Waste Tanks	SSD	
WHC-SD-WM-EV-074	Results of 1990 Tank Farm Preliminary Soil Sampling	STD	
WHC-SD-WM-FHA-020	TWRS Fire Hazards Analysis	SSD	
WHC-SD-WM-FHA-4022	Fire Hazard Analysis for 242-S Evaporator	SSD	
WHC-SD-WM-HC-007	Facility Hazard Classification Tank 241-C-106 Waste Retrieval	SSD	
WHC-SD-WM-HC-017	Electrical Classification Study for the Flammable Gas Watch Light Tanks	SSD	
WHC-SD-WM-HIE-007	Tank Waste Remediation System Final Safety Analysis Report Hazard Identification/ Facility Configuration Verification Report	SSD	
WHC-SD-WM-HSP-002	Tank Farm Health and Safety Plan	SSD	
WHC-SD-WM-IMP-005	Project W-320 Basis of Interim Operation Compliance Implementation Plan	SSD	
WHC-SD-WM-ISB-001	Hanford Site Tank Farm Facilities Interim Safety Basis	SSD	
WHC-SD-WM-MAR-008	TWRS Mission Analysis	PMD	
WHC-SD-WM-OCD-015	Tank Farm Waste Compatibility Program	C	
WHC-SD-WM-OSR-005	Single-Shell Tanks Interim Operational Safety Requirements	SSD	
WHC-SD-WM-PD-046	Tank Waste Remediation System Inactive, Miscellaneous Underground Storage Tanks Program Plan	PMD	
WHC-SD-WM-PLN-047	Tank Waste Remediation System Tank Waste Analysis Plan	C	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
WHC-SD-WM-PLN-091	Fiscal Year 1995 Tank Waste Remediation System Tank Waste Analysis Plan	C	
WHC-SD-WM-PLN-101	Fiscal Year 1996 Tank Waste Remediation System Tank Waste Analysis Plan	C	
WHC-SD-WM-PSE-010	Preliminary Safety Evaluation for 241-C-106 Waste Retrieval	SSD	
WHC-SD-WM-QAPP-018	Tank Waste Projects Quality Assurance Program Plan	QAD	
WHC-SD-WM-RD-014	Requirements for Design of a MIT for Waste Tank Surveillance	CD	
WHC-SD-WM-RPT-033	Quality Task Team for Control System Color Coding in Tank Farms – Final Report	STD	
WHC-SD-WM-RPT-069	High Heat Safety Issue Evaluation	STD	
WHC-SD-WM-RPT-089	241-C Tank 106 Sprinkler System and Cooling System Report	STD	
WHC-SD-WM-RPT-104	Waste Tank 241-C-106 Comprehensive Cooling Design Summary Report	TA	
WHC-SD-WM-RPT-203	BNFL Tank Retrieval Experience with Submerged Jet Technology	STD	
WHC-SD-WM-SA-026	Analysis of the Sluicing Pit 241-C-106 Temporary Cover Bending, Safety Factor, Seismic, Weld, Wind	CALC	
WHC-SD-WM-SAD-024	Safety Assessment for Tank 241-C-106 Waste Retrieval Project W-320	SSD	
WHC-SD-WM-SAD-034	A Safety Assessment for Salt Well Pump Operations in Tank 241-A-101: Hanford Site, Richland, Washington	SSD	
WHC-SD-WM-SAR-023	242-A Evaporator/Crystallizer Final Safety Analysis Report	SSD	
WHC-SD-WM-SAR-034	Safety Analysis Report Stabilization of Single-Shell Tanks by Salt Well Jet Pumping	SSD	
WHC-SD-WM-SARR-009	Construction, Maintenance, and Operational Activities Analysis Summaries	MD/OD	
WHC-SD-WM-SARR-011	Toxic Chemical Considerations for Tank Farm Releases	E/SSD	
WHC-SD-WM-SARR-015	Topical Report on Flammable Gases in Non-Burping Waste Tanks	SSD	
WHC-SD-WM-SARR-016	Tank Waste Compositions and Atmospheric Dispersion Coefficients for Use in Accelerated Safety Analysis Consequence Assessments	SSD	
WHC-SD-WM-SARR-019	Operational Summary for Double Shell Tank Farm Waste Transfers	STD	
WHC-SD-WM-SARR-033	Preliminary Safety Criteria for Organic Watch List Tanks at Hanford Site	SSD	

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DOCUMENT #	TITLE	DOC TYPE	REMARKS
WHC-SD-WM-SARR-037	Development of Radiological Concentrations and Unit Liter Doses for Tank Waste Remediation System Final Safety Analysis Report Radiological Consequence Calculations	SSD	
WHC-SD-WM-SDD-001	System Description Standard Hydrogen Monitoring Systems	DD	
WHC-SD-WM-SEL-020	Aging Waste Facility Interim Safety Equipment List	SSD	
WHC-SD-WM-SEL-027	Single Shell Waste Tanks Interim Safety Equipment List	SSD	
WHC-SD-WM-SEL-033	Interim Safety Equipment List for 241-C-106 Waste Retrieval, Project W-320	SSD	
WHC-SD-WM-SP-004	Tank Safety Screening Data Quality Objective	C	
WHC-SD-WM-SSP-002	242-S Facility Shutdown/Standby Plan	OD	
WHC-SD-WM-TD-013	Sluicing Nozzle Test Report Volume 1	TD	
WHC-SD-WM-TI-302	Hanford Waste Tank Sluicing History	STD	
WHC-SD-WM-TI-328	Observed Porosites of Single Shell Tank Waste Salt Cakes and Sludge	STD	
WHC-SD-WM-TI-356	Waste Storage Tank Status and Leak Detection Criteria	CD	
WHC-SD-WM-TI-378	Tank 102-AY Washing Study	STD	
WHC-SD-WM-TI-543	Radionuclide and Chemical Inventories for the Double Shell Tanks	C	
WHC-SD-WM-TI-565	Radionuclide and Chemical Inventories for the Single Shell Tanks	C	
WHC-SD-WM-TI-578	101-AY, 102-AY and 106-C Data Compendium	C	
WHC-SD-WM-TI-593	Background and Status of Hanford's DST Retrieval Technology	STD	
WHC-SD-WM-TI-598	Single and Double Shell Waste Tank Design Comparisons at Hanford	STD	
WHC-SD-WM-TI-724	Methodology for Flammable Gas Evaluations	SSD	
WHC-SD-WM-TI-740	Interim Report: Best Basis Inventories of Chemicals and Radionuclides in Hanford Site Tank Waste	C	
WHC-SD-WM-TI-755	An Analysis of Parameters Describing Gas Retention/Gas Release Behavior in Double Shell Tank Waste	SSD	

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WHC-SD-WM-TI-756	Chemical and Chemically Related Considerations Associated with Sluicing Tank C-106 Waste to Tank AY-102	C	
WHC-SD-WM-TI-759	Hazard Evaluations for the Tank Waste Remediation System Final Safety Analysis Report	SSD	
WHC-SD-WM-TP-430	Sample Preparation of Tank 241-C-106 Samples and Testing and Testing for Compatibility with Tank 241-AY-102	C	
WHC-SD-WM-TSAP-080	Tank 241-C-106 Grab Sampling and Analysis Plan	C	
WHC-SD-WM-WP-035	Engineering Work Plan Interim Stabilization/Retrieval of 241-C-106	DD	
WHC-SD-WM-WP-072	Engineering Drawing Field Verification Program	DD	
WHC-SD-WM-WP-209	Work Plan for Safety Documentation for Project W-320, Tank 241-C-106 Sluicing	SSD	
WHC-SD-WM-WP-236	Work Plan for Safety Documentation for Project W-320 Tank 241-C-106 Sluicing, Safety Assessment	SSD	
WHC-SD-WM-WP-254	Engineering Work Plan for SY Farm Ammonia Stack Monitor 531-1972	STD	
WHC-SD-WM-WP-285	TWRS Systems Engineering Working Plan	STD	
WHC-SP-0697	Plan to Implement Remediation of Waste Tank Safety Issues at the Hanford Site	PMD	
WTSFG95.13	Screening the Hanford Tanks For Trapped Gas	SSD	PNL Report

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