S

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 649835

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	[X] Yes [X] No jmj 09-27-98	9/2/98
	6. Project Title/No./Work Order No.	7. Bldg./Sys./Fac. No.	8. Approval Designator
	Tank 241-C-106 Sluicing/W320	241-AY-102 241-C-106	N/A
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.)	10. Related ECN No(s).	11. Related PO No.
	HNF-SD-W320-ABU-002, Rev. 1	N/A	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

Delete Appendix B, all punchlist items have been completed. In addition, the red-line/strike-outs identifying Revision 1 changes have been removed and appropriate text modifications have been made acknowledging the removal of Appendix B.

14a. Justification (mark one)

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

14b. Justification Details

Revision to document the completion of punchlist items.

USQ TF-96-690 Rev 2, categorical exclusion for changes to supporting documents is applicable to the changes identified in this ECN.

jmj 09-27-98

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

RR Bevins	S2-48
JW Bailey	S2-48
W-320 Project Files	R1-29

RELEASE STAMP

DATE: SEP 28 1998

STA: 4

HANFORD RELEASE

ID: 2

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) 649835

16. Design Verification Required	17. Cost Impact n/a				18. Schedule Impact (days) n/a	
	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	[]	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	9/27/98	Design Agent		
Cog. Eng.	JM Jones	09-27-98	PE		
Cog. Mgr.	DG Baird	9-27-98	QA		
QA	N/A		Safety		
Safety	N/A		Design		
Environ.	N/A		Environ.		
Maint Eng.	RB Smet	9-27-98	Other		
Chief Engr	TWRS R E Raymond	9-27-98			
Proj. Mgr.	W320 JW Lentsch	9-27-98			
C-100 START UP	T Y Kelly	9-27-98	DEPARTMENT OF ENERGY		
			Signature or a Control Number that tracks the Approval Signature		
			ADDITIONAL		

Project W-320, Tank 241-C-106 Sluicing Acceptance for Beneficial Use

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

EDT/ECN: 649835 UC: 506
Org Code: 8C452 Charge Code: D2991/HANA0600
B&R Code: EW3130010 Total Pages: 57

Key Words: Project W-320, Sluicing, Tank 241-C-106, Tank 241-AY-102, Acceptance for Beneficial Use, ABU, roadmap, WRSS.

Abstract: The purpose of this document is to identify the Project W-320 Chiller Documentation required to be turned over from the Projects Organization to Tank Farm Operations as part of the acceptance of the new equipment for beneficial use.

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DATE: HANFORD RELEASE
STA: 4 ID: 2
SEP 28 1998

9/28/98

Release Approval Date Release Stamp

Approved for Public Release

RECORD OF REVISION	(1) Document Number HNF-SD-W320-ABU-002	Page 1

(2) Title
Project W-320, Tank 241-C-106 Sluicing Acceptance for Beneficial Use

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 revision	N/A	N/A
1	ECN 647627, Revision 1, General document revision to include specific documentation requirements for turnover from the Project to Operations. Update relects all modified and new equipment. Additionally, procedure numbers were updated to include new PHMC procedure numbers.	N/A	N/A
2 RS	Deletes Appendix B, (which documents open punchlist items) because all punchlist items have been completed. Also deletes the red-line/strike-outs which identified Revision 1 changes. Appropriate text modifications have been made acknowledging the removal of Appendix B.	RR Bevins RRBevins	JW Lentsch For JW Lentsch by phone [illegible] 9/27/98
	ECN-649835		

A-7320-005 (08/91) WEF168

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Table A-1: Documentation Required for Acceptance of Beneficial Use for Project W-320 Checklist A-3

Table A-2: Project W-320 Acceptance for Beneficial Use Required Documentation A-9

ATTACHMENT 1 Correspondence, NHC to FDH, NHC-97571244, *Project 93L-EWW-320 "Tank C-106 Sluicing," DOE 6430.1A Criteria Deviation Request* . AA-1

ATTACHMENT 2 Correspondence, FDH to DOE, FDH-9757289, *Contract DE-AC06-96RL13200, Section H-14, Laws, Regulations, and DOE Directives - Deviation Request for DOE 6430.1A, "General Design Criteria"* . . . AB-1

ATTACHMENT 3 Correspondence, 97-WSD-255, *Contract Number DE-AC-06-96RL13200 - Section H-14, Laws, Regulations and U.S. Department of Energy (DOE), Richland Operations Office (RL) Directives - Deviation Request for 6430.1A "General Design Criteria" for Project W-320 Tank C-106 Sluicing* AC-1

TITLE: "Project W-320, Tank 241-C-106 Waste Retrieval Documentation Required for Acceptance for Beneficial Use"

KEYWORDS: Project W-320, Acceptance for Beneficial Use, ABU, Tank Farm Operations, Roadmap, Structures, Systems and Components,

1.0 PURPOSE

The purpose of this document is to identify the Project W-320 documentation required to be turned over or be issued, readily retrievable documents from the Projects organization to Tank Farm Operations prior to acceptance of the new systems for beneficial use. The assigned responsibility for completion of each item is listed on the Acceptance for Beneficial Use (ABU) in Appendix A in this document. Appendix B contained a Punchlist which identifies the documentation that will be turned over following OAC II. These punchlist items have been completed and the appendix is deleted by revision 2.

2.0 BACKGROUND

TWRS administrative procedure HNF-IP-0842, Volume IV, Section 3.12, *Acceptance of Structures, Systems, and Components for Beneficial Use* requires the project end user to identify and approve a listing of ABU requirements at the beginning of a project. At turnover, the end user accepts the structures, systems, or components (SSCs) for beneficial use based on the delivery of operable SSCs and satisfactory completion of the previously defined ABU requirements.

Project W-320 was initiated prior to the implementation of this administrative procedure, therefore a listing of the ABU requirements was not made at the beginning of the project. Revision 0 of this document was released in October of 1996. However, the turnover activities never commenced due to budgetary and scope concerns. Although at a late stage in the project, this document now serves as the listing of ABU requirements for Project W-320.

In addition, procedure HNF-PRO-572, *Project Acceptance and Closeout* was also referenced for project turnover requirements.

3.0 TURNOVER RESPONSIBILITIES

In general all Safety SSC design and installation requires plant (Double Shell Tank Engineering) concurrence on documentation. Comments will be generated by Double Shell Tank Engineering (DSTE) on designated documentation in Appendix A, DSTE concurrence will follow resolution of comments and inception of any required equipment modifications.

The following defines the Plant and Project responsibilities after turnover and before closeout of the ABU exceptions:

If during the exceptions closeout process SSC deficiencies (e.g. OTP failures, FDC criteria non-conformances or SEL Compliances) are identified, the Project shall correct the deficiencies.

If after turnover, SSC failures occur due to mis-operation or other causes not the responsibility of the Project, corrective actions shall be the plants responsibility.

The OTRs; OTR-320-007, OTR-320-008 and OTR-320-009 can not be completed unless and until the portable exhausters are installed. The requirement for completion of these OTRs has, therefore, been deleted from this ABU and have been incorporated into the portable exhauster deployment document, HNF-3029, Rev. 0.

The HVAC system operations which were to be contained in both WRSS Operating Procedure TO-320-008, Revision A-0, *Tank 106-C HVAC System Startup/Shutdown* and TO-320-010, Revision A-0, *Tank C-106 WRSS HVAC System Routine Operations* were instead provided in a single WRSS Operating Procedure TO-320-009, Revision A-0, *Operate WRSS 296-C-006 HVAC System*.

The air and water system operations which were to be contained in WRSS Operating Procedure TO-320-012, Revision A-0, *Operate WRSS Air and Water System*, were divided and contained in two WRSS Operating Procedures TO-320-010, *Operate WRSS Raw Water System*, and TO-320-012, *Operate WRSS Compressed Air System*.

The transfer line flushing operations which were to be contained WRSS Operating Procedure TO-320-013, Revision A-0, *WRSS Transfer Line Flushing* were provided in WRSS Operating Procedure TO-320-014, Revision A-0, *Flush WRSS Transfer Lines*.

The contingency transfer operations which were to be contained in WRSS Operating Procedure TO-060-051, Revision A-0, *Contingency Procedure for 241-AY-102 Supernate Removal* were instead provided in WRSS Operating Procedure TO-270-035, Revision A-0, *Contingency Procedure for Routing Tank 241-AY-102 Supernate to Tank 241-AP-106*.

The raw water system operations which were to be contained in a PCA to procedure TO-040-740, Raw Water Usage and Surveillance was instead provided in a PCA to procedure TO-040-540, Water Surveillance and Usage.

PCAs to procedures TO-020-005, Perform Pit Examinations, and TO-060-015, Monitor Breather Filters were not required.

A PCA to Alarm Response Procedure ARP-T-211-00001, *Respond to Panel 3 Alarms at 271-A Control Building* was not required. Alarm Response for Portable Exhausters was provided in procedures TO-060-047, TO-060-048 and TO-060-049.

A Portable Exhauster Roundsheet was provided in procedures TO-060-047, TO-060-048 and TO-060-049.

Required Calibration; Preventive maintenance, functional check and functional test procedures listed in HNF-SD-W320-ABU-002, Rev. 1 have been issued. Several items mentioned have been deleted due to requirements changes. Others have been assigned different procedure numbers than those noted in Revision 1 of the ABU.

Deleted Procedures Include:

3-GENI-372
3-GENI-376
TF-FT-359
TF-FT-259

Renumbered Procedures Include:

6RM-320	incorporated into	3-RM-321
6MISC-392	incorporated into	TF-FT-359-012
6-IVS-324	became	6-GENI-324
6-IVS-325	became	6-GENI-325

4.0 REFERENCES

1. HNF-IP-0842, Volume IV, Section 3.12, *Acceptance of Structures, Systems, and Components for Beneficial Use*, Revision 1.

2. HNF-PRO-572, *Project Acceptance and Closeout*, Revision 0.

5.0 INDEX OF ABU DOCUMENTATION

This index is intended to serve two purposes:

- Provides a "Roadmap" to be used by Tank Farm Operations personnel of all the required turnover documentation for Project W-320.

- To document formal turnover of Project W-320 to Tank Farm Operations for beneficial use.

APPENDIX A DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE

Project Title: Project W-320 Tank C-106 Sluicing

Table A-1: Documentation Required for Acceptance of Beneficial Use for Project W-320 Checklist

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
ENGINEERING		
[X] ABU Checklist	NHC/JL Gilbert (RR Bevins)	See ECN
[X] C Farm Chiller ABU	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] 241-AY-102 02A Pit Equipment and Modifications ABU	NHC/AF Choho (JW Bailey)	RE Raymond
[X] AY-102 and C-106 Portable Exhauster ABU	NHC/AF Choho (JW Bailey)	RE Raymond
[X] SHMS-C ABU	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Engineering Task Plan/Project Management Plan	NHC/JW Lentsch (KB Ferlan)	RE Raymond
[X] Activity Schedule (Startup)	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] Basis of Interim Operation	DESH/CE Leach (RG Stickney)	RE Raymond
[X] Authorization Basis Amendment Package	DESH/CE Leach (RG Stickney)	RE Raymond
[X] TWRS Safety Equipment List ECN	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] Safety Class Evaluation Document	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] Compliance Implementation Plan	DESH/CE Leach (RG Stickney)	RE Raymond
[X] BIO Compliance Matrix	DESH/CE Leach (RG Stickney)	RE Raymond
[N/A] Operation Safety Document(s) - or update existing	____	____
[X] TSR Changes	DESH/CE Leach (RG Stickney)	RE Raymond
[X] Thermal Analyses Related Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Design Criteria - (Functional Design Criteria)	NHC/AF Choho (JW Bailey)	RE Raymond

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
[X] Design Criteria - (Design Basis Document)	NHC/AF Choho (JW Bailey)	RE Raymond
[X] System Design Descriptions	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Fire Hazards Analysis	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Fire Hazards Analysis Deviation Request	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Fire Hazards Analysis Deviation Authorization	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Test Plan/Specifications	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] S/RID Compliance Assessment	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] S/RID Functional Expert Review	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] Acceptance Test Procedure	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] Acceptance (Final) Test Reports	FDNW/JW Vitta (MA Lane)/NHC JL Gilbert (RR Bevins)	RE Raymond
[X] Operational Test Procedure	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] Operational (Final) Test Reports	NHC/JL Gilbert (RR Bevins)	RE Raymond
[N/A] Environmental Impact Statement (See FONSI)	-----	-----
[X] Finding of No Significant Impact (FONSI)	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Environmental Report (Environmental Assessment)	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Environmental Permit (Notice of Construction)	NHC/AF Choho (JW Bailey)	RE Raymond
[N/A] Hazardous Waste Disposal Plan/Procedures	-----	-----
[N/A] Solid Waste Disposal Plan/Procedure	-----	-----
[X] Waste Compatibility Studies	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Project W-320 Master Calculation List	NHC/AF Choho (JW Bailey)	RE Raymond

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
[X] Calculation Notes	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Stress/Seismic Analysis	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Stress/Design Report	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Structural Evaluations	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Design Specifications/Report	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Equipment Specifications/Report	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Procurement Specifications	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] Construction Specifications	FDNW/JW Vitta (MA Lane)	RE Raymond
[N/A] Essential Material Specifications	------	-----
[X] Final Design Drawings	FDNW/JW Vitta (MA Lane)	RE Raymond
[N/A] Installation Drawings	-----	-----
[X] Installation Work Plan (PCPs, CWPs and JCS)	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] Identify Field Storage Location for PCPs and CWPs	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Field Verification Plan	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Field Verified As-Built Project Drawings	FDNW/JW Vitta (MA Lane)	RE Raymond
[N/A] Interface Control Drawings	-----	-----
[X] Impacted Essential Facility Drawings	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] P&ID Drawings	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] Instrument Loop Drawings	FDNW/GP McDonald (TJ Kasnick)	RE Raymond
[N/A] Systems Drawings	-----	-----
[N/A] Drawing Tree	-----	-----
[X] Incorporate Outstanding Project Generated ECNs	FDNW/JW Vitta (MA Lane)	RE Raymond

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
[X] FDNW and ICF Kaiser Calculations	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] CGI Packages	NHC/JL Gilbert (RR Bevins)	RE Raymond
[X] USQ's	NHC/AF Choho (JW Bailey)	RE Raymond
[X] C-106 Stack Monitoring Work Platform Modifications Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] C-106 Process Building Area Radiation Monitor Relocation Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] C-106 Process Building Floor Drain Backflow Prevention Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] C-106 Camera Installation Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] AY-102 Temporary Camera Installation Documentation	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Project W-320 Supporting Document Bibliography	NHC/AF Choho (JW Bailey)	RE Raymond
[X] Critical Requirements Design Review	NHC/AF Choho (JW Bailey)	RE Raymond
[X] MOA's/MOU's	NHC/AF Choho (JW Bailey)	RE Raymond
ADP (DAS SYSTEM)		
[X] Software Configuration Management Plan	FDNW/JW Vitta (MA Lane)	RE Raymond
[X] Data Management Plan	FDNW/JW Vitta (MA Lane)	RE Raymond
[N/A] System Requirements Specification	-----	-----
[X] System Description	FDNW/JW Vitta (MA Lane)	RE Raymond
[N/A] Software Design Description	-----	-----
[X] Software Validation/Verification	FDNW/JW Vitta (MA Lane)	RE Raymond
TRAINING		
[X] Training Plan	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Training Manuals	NHC/AF Choho (JW Bailey)	TJ Kelley

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
[X] Training to Operating Crews	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Training to Maintenance Crews	NHC/AF Choho (JW Bailey)	DB Smet
[X] Training Mock-up OJT	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Vendor Supplied Training	FDNW (DAS System)	TJ Kelley
OPERATIONS/MAINTENANCE		
[X] Operating and Maintenance Manuals (CVI)	NHC/AF Choho (JW Bailey)	TJ Kelley/ DB Smet
[X] Process Control Plan (PCP)	NHC/AF Choho (JW Bailey)	TJ Kelley/ RE Raymond
[X] Operating Procedures	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Alarm Response	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Surveillance Procedures	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Calibration Procedures	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Preventative Maintenance Procedures	RR Bevins	DB Smet
[N/A] Repair/Maintenance Procedures	-----	-----
[X] Functional Check Procedures	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Functional Test Procedures	NHC/JL Gilbert (RR Bevins)	TJ Kelley/ DB Smet
[X] Emergency Response Procedure	NHC/AF Choho (JW Bailey)	TJ Kelley
[X] Maintenance Plan	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] PM/S Datasheets	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Instrument List	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Setpoint Justification Document	NHC/JL Gilbert (RR Bevins)	DB Smet/ RE Raymond

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE		
DESCRIPTION	RESPONSIBLE SUPPLIER	ACCEPTANCE AUTHORITY
QUALITY ASSURANCE		
[X] Inspection Plan	FDNW/JA Peltier (MA Lane)	RE Raymond
[X] QAPP (Project and TWRS)	FDNW/JA Peltier (KC Conrad)	RE Raymond
[N/A] QAP,P	-----	-----
PROCUREMENT		
[X] Vendor Information Files	NHC/AF Choho (JW Bailey)	DB Smet/ RE Raymond
[X] Warranties	NHC/AF Choho (JW Bailey)	DB Smet
[X] Master Equipment List	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Spare Parts List	NHC/JL Gilbert (RR Bevins)	DB Smet
[X] Spare Parts in Stock	NHC/JL Gilbert (RR Bevins)	DB Smet

Table A-2: Project W-320 Acceptance for Beneficial Use Required Documentation

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
ENGINEERING				
ABU Checklist	ECN # 164417, ECN to Project W-320, 241-C-106 Sluicing Acceptance for Beneficial Use (HNF-SD-W320-ABU-002, Revision 1)	CA Burke	OAC II	Not Applicable
C Farm Chiller ABU	HNF-SD-W320-ABU-001, Revision 0, *Project W-320, Tank 241-C-106 Sluicing Documentation Required for the Air Intake Chiller Acceptance for Beneficial Use* Operations will not accept the Chiller for Beneficial Use until all procedures are approved and released.	CA Burke	Pre-ORR	Not Applicable
241-AY-102 02A Pit Equipment and Modifications ABU	HNF-SD-W320-ABU-003, Revision 0, *Project W-320, 241-AY-102 02A Pit Equipment and Modifications Documentation Required for Acceptance for Beneficial Use*	JW Bailey	OAC II	Not Applicable
AY-102 and C-106 Portable Exhauster ABU	HNF-2219, *Emergency Backup 1000 CFM Portable Exhausters POR-007 Skid E and POR-008 Skid F Acceptance for Beneficial Use* All NEC violation issues will need to be resolved and a pressure test (NCR) will have to be performed on the exhausters to allow turnover.	BD Andres	Pre-ORR	Not Applicable
SHMS-C ABU	HNF-SD-WM-ABU-024, *241-C-106 and 241-AY-102 SHMS-C Acceptance for Beneficial Use*	JW Bailey	OAC II	Not Applicable
Engineering Task Plan/Project Management Plan	HNF-SD-W320-PMP-001, Revision 5, *Project Management Plan for Project W-320, Tank 241-C-106 Sluicing*	KB Ferlan	Pre-ORR	CR 8
Activity Schedule (Start-up)	*W-320 241-C-106 Sluicing Project Schedule* (FY 98 MYPP Project W-320 Schedule)	R DeMarais	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Basis of Interim Operation	HNF-SD-WM-BIO-001 Addendum 1, *Tank Waste Remediation System Basis for Interim Operation*	RG Stickney	OAC II	CR 4
Authorization Basis Amendment Package	HNF-SD-W320-ETP-002, Revision 0, *Authorization Basis Amendment Task Plan 241-C-106 Waste Retrieval Sluicing System (WRSS), Project W-320*	RG Stickney	OAC II	CR 4
TWRS Safety Equipment List ECN	Project to initiate ECN to TWRS SEL concurrent with the approval of Project Safety Class Evaluation Document (HNF-2050). (ECN #634127)**	RR Bevins	Pre-ORR	CR 4, 15
Safety Class Evaluation Document	HNF-2050, Revision 0, *Safety Class Evaluations for Project W-320 Tank C-106 Sluicing***	RR Bevins	OAC II	CR 4
Compliance Implementation Plan	HNF-SD-W320-IMP-005, Revision 0, *Project W-320 Basis of Interim Operation Compliance Implementation Plan*	RG Stickney	OAC II	CR 4
BIO Compliance Matrix	HNF-2518, *Project W-320 Authorization Basis Implementation Matrix***	CA Burke	Pre-ORR	CR 4
Operational Safety Document(s) or update existing	Not Applicable. The Project performed an evaluation and found it did not impact any OSDs nor did it require its own OSD (e.g. Project W-030).	-----	------	Not Applicable
TSR Changes	HNF-SD-WM-TSR-006, Revision 0-J, *Tank Waste Remediation System Technical Safety Requirements*	RG Stickney	OAC II	CR 4
Thermal Analyses Related Documentation	HNF-SD-W320-ER-004, *Project W-320 SAR and Process Control Thermal Analyses***	JW Bailey	Pre-ORR	CR 4
Design Criteria (Functional Design Criteria)	HNF-SD-W320-FDC-001, Revision 5, *Functional Design Criteria for Tank 241-C-106 Waste Retrieval, Project W-320*	C Graves	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Design Criteria (Design Basis Document (DBD))	HNF-SD-W320-DB-001, Revision 1: *Design Basis Document Project W-320 Tank 241-C-106 Sluicing Project Rebaselining Change Request New Scope*	C Graves	OAC II	Not Applicable
System Design Description	Refer to: Process Control Plan AND Design Criteria (Design Basis Document)	JW Bailey	OAC II	Not Applicable
Fire Hazards Analysis	WHC-SD-W320-FHA-001, Revision 1, *Fire Hazards Analysis for Project W-320, Tank C-106 Sluicing***	JW Bailey	Pre-ORR	CR 4
Fire Hazards Analysis Deviation Request	Correspondence, NHC to FDH, NHC-97571244, *Project 93L-EWW-320 "Tank C-106 Sluicing," DOE 6430.1A Criteria Deviation Request* (Refer to Attachment 1) Correspondence, FDH to DOE, FDH-9757289, *Contract DE-AC06-96RL13200, Section H-14, Laws, Regulations, and DOE Directives - Deviation Request for DOE 6430.1A, "General Design Criteria"* (Refer to Attachment 2)	JW Bailey	OAC II	CR 4
Fire Hazards Deviation Authorization	Correspondence, 97-WSD-255, *Contract Number DE-AC-06-96RL13200 - Section H-14, Laws, Regulations and U.S. Department of Energy (DOE), Richland Operations Office (RL) Directives - Deviation Request for 6430.1A "General Design Criteria" for Project W-320 Tank C-106 Sluicing* (Refer to Attachment 3)	JW Bailey	OAC II	CR 4
Test Plan/ Specifications	HNF-SD-W320-TP-001, Revision 1, *Project W-320, Tank 241-C-106 Waste Retrieval Sluicing System Testing Plan***	RR Bevins	OAC II	CR 10

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
S/RID Compliance Assessment	HNF-2526, Revision 0, *Project W-320 S/RID Assessment*	RR Bevins	Pre-ORR	CR 7
S/RID Functional Expert Review	HNF-2414, Revision 0, *Project W-320 S/RID Sluicing Activity Functional Expert Review*	RR Bevins	OAC II	CR 7
Acceptance Test Procedures	WHC-SD-W320-ATP-006, *C Farm Supply Air Chiller*** HNF-1831, *C-Farm Chiller Modifications***	RR Bevins	Pre-ORR	CR 10
Acceptance Test Report (Final)	HNF-SD-W320-ATR-001, Revision 0, *Cathodic Protection - Rectifier 46* WHC-SD-W320-ATR-002, Revision 0, *Cathodic Protection - Addition of 6 Anodes to Existing Rectifier 31* HNF-SD-W320-ATR-003, Revision 0, *Cathodic Protection - Rectifier 47* WHC-SD-W320-ATR-004, Revision 0, *ERS, C-Farm Electrical Distribution* WHC-SD-W320-ATR-005, Revision 0, *ERS, AY-Farm Electrical Distribution* WHC-SD-W320-ATR-006, Revision 0, *C-Farm Air Supply Chiller* (To be turned over with the Chiller ABU)** HNF-SD-W320-ATR-007, Revision 0, *AY Farm Electrical Distribution* HNF-SD-W320-ATR-008, Revision 0, *AY Farm Equipment and Instrumentation*	RR Bevins	OAC II and Pre-ORR:	CR 10

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Acceptance Test Report (Final) (Continued)	HNF-SD-W320-ATR-009, Revision 0, *Tank 241-AY-102, Immersible Pump P-0621 - Winch Assembly W-0621, Assembly and Installation Instructions***	RR Bevins	OAC II	CR 10
	HNF-SD-W320-ATR-010, Revision 0, *C-Farm Electrical Distribution*			
	HNF-SD-W320-ATR-011, Revision 0, *C-Farm Instrumentation*			
	HNF-SD-W320-ATR-012, Revision 0, *C-106 Tank Process Ventilation System*		Pre-ORR	
	HNF-SD-W320-ATR-013, Revision 0, *C-Farm Slurry Pump Winch*			
	HNF-SD-W-320-ATR-014, Revision 0, *C-106 Tank Sluicer Control System*			
	HNF-1828, Revision 0, *Project W-320 AY Farm Instrumentation Upgrades*		Pre-ORR	
	HNF-1826, Revision 0, *C-Farm New Scope Instrumentation Upgrades*			
	HNF-1832, Revision 0, *C-Farm Chiller Modifications* (To be turned over with the Chiller ABU)**			
	SD-WM-ATR-023, *Tank Monitor and Control System Sensor Acceptance Test Procedure*			

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Operational Test Procedures	WHC-OTP-W320-001, *241-AY-102, Annulus Ventilation System Operational Test* WHC-OTP-W320-002, *Project W-320, Slurry Transfer System Preoperational Test* WHC-OTP-W320-003, *Project W-320, Supernate Transfer System Preoperational Test* WHC-OTP-W320-004, *Project W-320, Tank 241-C-106 Ventilation Exhaust System Preoperational Test* WHC-SD-W320-OTP-005, *Tank 241-C-106 In-Tank Imaging System Operational Test* WHC-SD-W320-OTP-006, *Project W-320 Cathodic Protection System Operational Test* OTP-320-007, *Operational Test for Emergency Backup 241-C-106 1000 CFM Exhauster* OTP-320-008, *Operational Test for Emergency Backup 241-AY-102 Annulus* OTP-320-009, *Operational Test for Emergency Backup 241-AY-102 Primary* OTP-320-010, *W-320 ENRAF Series 854 Densitometer Operational Test*	RR Bevins	Pre-ORR	CR 10

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Operational Test Report (Final)	OTR-320-001, *241-AY-102, Annulus Ventilation System Operational Test* OTR-320-002, *Project W-320, Slurry Transfer System Preoperational Test* OTR-320-003, *Project W-320, Supernate Transfer System Preoperational Test* OTR-320-004, *Project W-320, Tank 241-C-106 Ventilation Exhaust System Preoperational Test* WHC-SD-W320-OTR-005, *Project W-320, Tank 241-C-106 In-Tank Imaging System ATP/OTP* WHC-SD-W320-OTR-006, *Cathodic Protection System Operational Test* OTR-320-007, *Operational Test for Emergency Backup 241-C-106 1000 CFM Exhauster* OTR-320-008, *Operational Test for Emergency Backup 241-AY-102 Annulus* OTR-320-009, *Operational Test for Emergency Backup 241-AY-102 Primary* OTR-320-010, *W-320 ENRAF Series 854 Densitometer Operational Test***	RR Bevins	Pre-ORR	CR 10
Environmental Impact Statement	Not Applicable (See FONSI)	____	____	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Finding of No Significant Impact (FONSI)	Correspondence Letter 9358388.2, *EA Finding of No Significant Impact, 241-C-106 Past Practice Sluicing and Waste Retrieval, Hanford Site, Richland Washington*	JW Bailey	OAC II	CR 8
Environmental Report (Environmental Assessment)	DOE/EA-0933, Revision 0, *Tank 241-C-106 Past Practice Sluicing Waste Retrieval, Hanford Site Richland Washington*	JW Bailey	OAC II	CR 8
Environmental Permit (Notice of Construction)	DOE/RL-95-45, Revision 1, *Radioactive Air Emissions Notice of Construction Project W-320, Tank 241-C-106 Sluicing***	JW Bailey	OAC II	CR 8
Hazardous Waste Disposal Plan/procedures	Not Applicable. The Project will use exiting Tank Farm Procedures, if the need arises.	-----	-----	Not Applicable
Solid Waste Disposal Plan/Procedures	Not Applicable. The Project will use existing Tank Farm Procedures, if the need arises.	-----	-----	Not Applicable
Waste Compatibility Studies	HNF-SD-WM-TI-804, *Waste Compatibility Assessments to Support Project W-320*** (Update if required) WHC-SD-WM-ES-290, *Chemical Compatibility of Tank Waste in Tank 241-C-106, 241-AY-101 & 241-AY-102*** (Update if required)	JW Bailey	Pre-ORR	Not Applicable
Project W-320 Master Calculation List	HNF-2527, *Project W-320, Tank 241-C-106 Sluicing, Master Calculation List****	JW Bailey	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Calculation Note	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 and 241-AY-102***	JW Bailey	OAC II	Not Applicable
Stress/Seismic Analysis	Reference: HNF-2527,*Project W-320, Tank 241-C-106 Sluicing, Master Calculation List* HNF-2427, *Project W-320 Supporting Document Bibliography* WHC-SD-W320-ANAL-001, *Tank 241-C-106 Structural Integrity Evaluation for In-Situ Conditions Retrieval, SST Analysis* WHC-SD-W320-ANAL-002, *Seismic Evaluation of Tank 241-C-106 in Support of Retrieval Activities Analysis*	JW Bailey	OAC II	Not Applicable
Stress/Design Report	Reference: HNF-2527,*Project W-320, Tank 241-C-106, Master Calculation List**** HNF-2427, *Project W-320 Supporting Document Bibliography**** Note: The asterices on these documents indicate the concurrence of the calculations on the list NOT of the Calculation List itself.	JW Bailey	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Structural Evaluations	WHC-SD-W320-ANAL-003, *Tank 241-C-106 Structural Evaluation in Support of Project W-320 Retrieval*	JW Bailey	OAC II	Not Applicable
Design Specifications	See Equipment Specifications	____	____	Not Applicable
Equipment Specifications	WHC-S-0256, *Specification for 20 Ton Hydraulic Trailer* WHC-S-0259, *Specification for 20 Ton Gantry Cranes* W-320-P51, *Hydraulic Lifting Trailer (ERS)* WHC-S-0384, *Procurement Specification for Tank 241-C-106 and Tank 241-AY-102 Pump Pits and Tank Farm Surveillance Color Video Camera System* WHC-S-0395, *Procurement Specification for Waste Tank 241-C-106 Color Video Imaging System*	JW Bailey	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Procurement Specifications	Reference: H-2-818423, *Drawing List* HNF-2537 Includes the following 9 P-Specs: 1. W-320-P1, *Exhaust Skid (including Heating Coil, HEPAs and Fan)* 2. W-320-P2, *Liquid Chiller, Skid Mounted* 3. W-320-P3, *Filter, High Efficiency Metal (HEMF)* 4. W-320-P4, *Heat Exchanger* 5. W-320-P5, *High Efficiency Mist Eliminator (HEME), with Vessel* 6. W-320-P6, *Fan, Recirculation Cooling* 7. W-320-P7, *Heating Coil* 8. W-320-P8, *Moisture Separator* 9. W-320-P17, *Submersible Pumps (Slurry and Sluice) with Variable Speed Drives (VSD)*	MA Lane	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Procurement Specifications (Continued)	HNF-2538 includes the following 8 P Specs: W-320-P20, *Sluicers with Hydraulic System* W-320-P24, *Pump Winches* W-320-P32, *Distribution Power Panels* W-320-P33, *AY Farm Electrical Equipment Skid* W-320-P34, *C Farm Electrical Equipment Skid* W-320-P35, *Seismic Shutdown System with Class 1E Contactors, Battery and Charger, Power Supply and Seismic Detectors* W-320-P36, *Missile Shield Enclosures for Seismic Shutdown System* W-320-P41, *Continuous Air Monitor (CAM) (Isokenitic Air Sampling System)*	MA Lane	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Construction Specifications	HNF-2532, W-320-C1, *Tank 241-C-106 Sluicing Package I - Sitework/Interfarm Piping System* HNF-2533, W-320-C2, *Equipment Removal System* W-320-C3, *Trailer Utilities Installation* HNF-2534, W-320-C5, *C Tank Farm* HNF-2525, W-320-C6, *Process Building Skid Fabrication* HNF-2536, W-320-C7, *AY Tank Farm*	MA Lane	Pre-ORR	Not Applicable
Essential Material Specifications	Not Applicable. The Project has no Essential Material Specifications	———	———	Not Applicable
Final Design Drawings	HNF-2455, *Project W-320, 241-C-106 Sluicing, Master Drawing List* and H-2-818423, *Drawing List*	MA Lane/ JW Bailey	OAC II	Not Applicable
Installation Drawings	Not Applicable. The Project has no installation drawings to turnover to Operations.	MA Lane/ JW Bailey	OAC II	Not Applicable
Installation Work Plans (PCPs, CWPs and JCS)	Refer to HNF-2519, *Project W-320 Process Control Plan, Construction Work Package and Job Control System Package Master List*	MA Lane	Pre-ORR	Not Applicable
Identify Field Storage Location for PCPs and CWPs	The Project will identify a location on Site to storage the PCPs and CWPs for the duration of the Project.	JW Bailey	Pre-ORR	Not Applicable
Field Verification Plan	WHC-SD-W320-FVP-001, *Field Verification Plan for W-320 Project*	JW Bailey	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Field Verified As-built Drawings	HNF-2455, *Project W-320, 241-C-106 Sluicing, Master Drawing List* and H-2-818423, *Drawing List* The Project will turnover the Field Verified As-Built Drawings as indicated on HNF-2455.	MA Lane	OAC II	Not Applicable
Interface Control Drawings	Not Applicable. The Project has no interface control drawings.	——	——	Not Applicable
Impacted Essential Facility Drawings	HNF-2455, *Project W-320, 241-C-106 Sluicing, Master Drawing List*** The asterices on these documents indicate the concurrence of the drawings on the list NOT of the Drawing List itself.	MA Lane	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
P & IDs	H-2-818558 Sheet 1, *P & ID Legend***	MA Lane	OAC II	Not Applicable
	H-2-818558 Sheet 2, *P & ID Equipment Identification***			
	H-2-818558 Sheet 3, *P & ID Details***			
	H-2-818558 Sheet 4, *P & ID Interlock Schedule***			
	H-2-818559 Sheet 1-5, *P & ID Tank 241-C-106***			
	H-2-818560 Sheet 1-5, *P & ID Tank 241-AY-102***			
	H-2-818561 Sheet 1-7, *P & ID TK 241-C-106 HVAC***			
	H-2-818562 Sheet 1, *P & ID Air and Water System***			
	All P & ID Drawings will be complete at OAC II. DST Engineering must concur with the drawings before they will be accepted.			

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Instrument Loop Diagrams	H-2-818601 Sheet 1, *Loop Diagram C-06C PitLD/TK C-106 Level* H-2-818601 Sheet 2, *Loop Diagram Tank Press and Slurry Winch* H-2-818601 Sheet 3, *Loop Diagram Submers Slurry Pump P-1361* H-2-818601 Sheet 4, *Loop Diagram Slurry Booster Pump P-1362* H-2-818601 Sheet 5, *Loop Diagram Slurry Pres/Flo and Bldg HVAC* H-2-818601 Sheet 6, *Loop Diagram Slurry/Supernate Xfer LD* H-2-818601 Sheet 7, *Loop Diagram Chilled Water System* H-2-818601 Sheet 8, *Loop Diagram Pump Pit LD and Exh Skid Temp* H-2-818601 Sheet 9, *Loop Diagram HEPA Filter Press Dif*	MA Lane	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Instrument Loop Diagrams (Continued)	H-2-818601 Sheet 10, *Loop Diagram Exhaust Stack Rad Monitor* H-2-818601 Sheet 11-12, *Loop Diagram Air & Water Service Bldg* H-2-818601 Sheet 13, *Loop Diagram Valve HV-13638/13669 PSN* H-2-818601 Sheet 14, *Loop Diagram Common Alarms/TMACS Comm* H-2-818601 Sheet 15, *Loop Diagram Sluicer Control System* H-2-818602 Sheet 1, *Loop Diagram Tank 241-AY-102 Pressure* H-2-818602 Sheet 2, *Loop Diagram Submers Sluice Pump P-0621* H-2-818602 Sheet 3, *Loop Diagram Sluice Pump P-0622* H-2-818602 Sheet 4, *Loop Diagram Sluice Pump Press/Winch Pos*	MA Lane	OAC II	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Instrument Loop Diagrams (Continued)	H-2-818602 Sheet 5, *Loop Diagram SN Flow/Pit Temperature* H-2-818603 Sheet 1-6, *Loop Diagram Process Bldg 241-C-91* H-2-818604 Sheet 1-2, *Loop Diagram AY-Farm Seismic Detection* H-2-818605 Sheet 1-2, *Loop Diagram C-Farm Seismic Detection*	MA Lane	OAC II	Not Applicable
Systems Drawings	Not Applicable. The Project has no system drawings.	-----	-----	Not Applicable
Drawing Trees	Not Applicable. The Project has no Drawing Trees.	_____	_____	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Incorporate Outstanding Project Generated ECNs	All Project ECNs will be incorporated into drawings listed in HNF-2455, *Project W-320, 241-C-106 Sluicing Master Drawing List* except ECNs against Equipment Removal System (ERS) Drawings, since the ERS was descoped from the Project. NOTE - The outstanding ECNs and affected ERS drawings are identified in the above document. All ECNs will be incorporated by OAC II. DST Engineering must concur with drawings before turnover commences. Excluded from this list are those drawings associated with the following: 1. C-106 Stack Monitoring Work Platform Modifications 2. C-106 Process Building Area Radiation Monitoring Relocation** 3. C-106 Process Building Floor Drain Backflow Prevention** 4. C-106 Camera Installation** 5. AY-102 Camera Installation** ECNs will be generated into appropriate drawings at completion of work activities. The asterices on these documents indicate the concurrence of the drawings on the list NOT on the Drawing List itself.	MA Lane	OAC II and Pre-ORR**	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
FDNW and ICF Kaiser Calculations	Reference: HNF-2427, *Project W-320, 241-C-106 Sluicing, Master Calculation List**** HNF-2527, *Project W-320 Supporting Document Bibliography**** for a complete listing of calculation Support for the Project. The asterices on these documents indicate the concurrence of the calculations on the list NOT on the Drawing List itself. These calculations will be released as Supporting Documents. Refer to the Supporting Document Bibliography for these numbers.	MA Lane	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
CGI Packages	CGI-DST-AY-1, *Leak Detection Relay (LD-1)*** CGI-DST-AY-2, *Leak Detection Cabinet Transformer*** CGI-DST-AY-3, *Leak Detection Cabinet Strobe Light*** CGI-DST-AY-4, *Leak Detection Assembly*** CGI-DST-AY-5, *Leak Detection Element*** CGI-DST-AY-6, *Ball Check Valves*** CGI-SST-C-5, *Butterfly Valve*** CGI Packages for Annulus Butterfly Valve and Pressure Switches*** All CGI packages prepared for the Portable Exhausters shall be turned over with the Portable Exhauster ABU.	RR Bevins	Pre-ORR:	Not Applicable
USQs	HNF-2426, *Project W-320 Master USQ Log* USQs will be generated until late in the life of the Project. An initial Project W-320 Master USQ Log will be turned over at OAC II. A final Project W-320 Master USQ Log will be turned over at the completion of the Project.	JW Bailey	OAC II and Pre-ORR	CR 4

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
C-106 Stack Monitoring Work Platform Modifications Documentation	The Project will turnover all drawings and documentation after all ECNs have been incorporated**	JW Bailey	Pre-ORR	Not Applicable
C-106 Process Building Area Radiation Monitor Relocation Documentation	The Project will turnover all drawings and documentation after all ECNs have been incorporated**	JW Bailey	Pre-ORR	Not Applicable
C-106 Process Building Floor Drain Backflow Prevention Documentation	The Project will turnover all drawings and documentation after all ECNs have been incorporated**	JW Bailey	Pre-ORR	Not Applicable
C-106 Camera Installation Documentation	The Project will turnover all drawings and documentation after all ECNs have been incorporated**	JW Bailey	Pre-ORR	Not Applicable
Project W-320 Supporting Document Bibliography	HNF-2427, Revision 0, *Project W-320 Supporting Document Bibliography*	JW Bailey	OAC II	Not Applicable
Critical Requirements Design Review	This document will be released as a Supporting Document. However, at present, no document number or title has been assigned to this document.	JW Bailey	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
MOAs/MOUs	8C620-98-003, *Memorandum of Agreement for Portable Exhauster Use*** 8C620-98-004, *Memorandum of Agreement for Portable Generator Use*** 8C620-98-001, *Memorandum of Agreement for As-Builting and Configuration Control*** See HNF-2525, *Project W-320 Maintenance Plan* for MOA with Equipment Engineering**	JW Bailey	Pre-ORR	Not Applicable
ADP (DAS SYSTEM)				
Software Configuration Management Plan	HNF-1823, Revision 0, *W-320 WRSS DAS Software Configuration Management Plan*	MA Lane	OAC II	Not Applicable
Data Management Plan	HNF-2318, *Management of Data for Tank 241-C-106 Retrieval*	MA Lane	OAC II	Not Applicable
System Requirements Specifications	Not Applicable. The Project prepared no system design requirement documentation	____	____	Not Applicable
System Description	HNF-2115, Revision 0, *Project W-320 System Description for WRSS DAS*	MA Lane	OAC II	Not Applicable
Software Design Description	Not Applicable. The Project prepared no software design descriptions.	____	____	Not Applicable
Software Validation/ Verification	HNF-1827, *Waste Retrieval Sluicing System Data Acquisition System*	MA Lane	OAC II	CR 10
TRAINING				

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Training Plan	79610-98001, *Waste Retrieval Sluicing System (Project W-320) Training Plan*	JW Bailey	OAC II	CR 2, 8, 13, 18, 19
Training Manuals	Any documentation generated during training activities will be turned over upon completion of training.	JW Bailey	Pre-ORR	CR 2, 8, 13, 18, 19
Training to Operating Crews	Any documentation generated during training activities will be turned over upon completion of training.	JW Bailey	Pre-ORR	CR 2, 8, 13, 18, 19
Training to Maintenance Crews	Training will be provided on the AMS-4 and Mass-Tron II, any documentation generated during training activities will be turned over upon completion of training.	JW Bailey	Pre-ORR	CR 2, 8, 13, 18, 19
Training/OJT	Any documentation generated during training activities will be turned over upon completion of training.	JW Bailey	Pre-ORR	CR 2, 8, 13, 18, 19
Vendor Supplied Training	Any documentation generated during training activities will be turned over upon completion of training.	JW Bailey	Pre-ORR	CR 2, 8, 13, 18, 19

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
OPERATIONS AND MAINTENANCE				
Operations and Maintenance Manuals (CVI)	Covered under Vendor Information (VI) files.	JW Bailey	OAC II	Not Applicable
Process Control Plan (PCP)	HNF-SD-WM-PCP-013, Revision 0, *Tank 241-C-106 Waste Retrieval Sluicing System Process Control Plan* HNF-SD-WM-PCP-013, Revision 1, *Tank 241-C-106 Waste Retrieval Sluicing System Process Control Plan***	JW Bailey	OAC II Pre-ORR	CR 2, 8, 13, 18, 19

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Operating Procedures	TO-320-001 Revision A-0, *Operate Tk-241-C-106 HVAC Chiller* (To be turned over via Chiller ABU) TO-320-003 Revision A-0, *WRSS Material Balance* TO-320-004 Revision A-0, *WRSS DAS Operating Procedure* (New) TO-320-005 Revision A-0, *WRSS Global Operating Procedure* (New) TO-320-006 Revision A-0, *Tank 241-C-106 WRSS Sluicing Operations* (New) TO-320-007 Revision A-0, *Tank AY-102 Densitometer Operations* (New) TO-320-008 Revision A-0, *Tank 106-C WRSS HVAC System Startup/Shutdown* (New) TO-320-010 Revision A-0, *Tank C-106 WRSS HVAC System Routine Operations* (New)	JW Bailey	Pre-ORR	CR 1, 15, 18

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Operating Procedures (Continued)	TO-320-011 Revision A-0, *Operate C-106 In Tank Imaging System* (New) TO-320-012 Revision A-0, *Operate WRSS Air and Water System* (New) TO-320-013 Revision A-0, *WRSS Transfer Line Flushing* (New) TO-320-019 Revision A-0, *269-A-19 Annulus Ventilation System Operations* (New) TO-060-051, Revision A-0, *Contingency Procedure for 241-AY-102 Supernate Removal* (New) TO-060-047, Revision A-0, *Operate the Emergency Backup C-106 Emergency Backup Exhauster* (New) (To be turned over via Portable Exhauster ABU) TO-060-048, Revision A-0, *Operate Emergency Backup AY-102 1000 CFM Exhauster* (New) (To be turned over via Portable Exhauster ABU) TO-060-049, Revision A-0, *Operate Emergency Backup AY-102 Annulus 1000 CFM Exhauster* (New) (To be turned over via Portable Exhauster ABU)	JW Bailey	Pre-ORR	CR 1, 15, 18

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Operating Procedures (Continued)	PCA to TO-040-740, *Raw Water Usage and Surveillance* PCA to TO-040-740, *Perform Routine Surveillance of Winterized Building Equipment - East Area* PCA to TO-020-005, *Perform Pit Examinations* PCA to TO-020-270, *Preparation for Work in Diversion Boxes or Pits and Jumper Changes* PCA to TO-020-755, *Record Status of Facility Alarm Panels* PCA to TO-040-650, *Obtain/Record Single Shell Tank Temperatures* PCA to TO-040-660, *Obtain/Record Double Shell Tank Temperatures* PCA to TO-060-015, *Monitor Breather Filters*	JW Bailey	Pre-ORR	CR 1, 15, 18

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Alarm Response Procedures	ARP-T-211-00001, Revision A-0, *Respond to Panel 3 Alarms at 271-A Control Building* (New) ARP-T-331-00001, Revision A-0, *Respond to Alarms at 241-C Chiller Skid* (New) (To be turned over via Chiller ABU) ARP-T-331-00002, Revision A-0, *Respond to Alarms at 241-C Electrical Skid* (New) ARP-T-331-00003, Revision A-0, *Respond to Alarms at MO-211 WRSS Control Room* (New) ARP-T-331-00004, Revision A-0, *Respond to Alarms at 211-C-73 Air and Service Water Building* (New) ARP-T-331-00005, Revision A-0, *Respond to Alarms at Electrical Equipment Skid 241-AY-51* (New) ARP-T-331-00006, *Respond to Alarms at 241-C-91* (New) Alarm Response Procedure for Portable Exhausters (New)	JW Bailey	Pre-ORR	CR 1, 9

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Surveillance Procedures	TF-OR-EF-WRSS-AY Revision A-0, *AY Tank Farm Sluicing Operations Rounds* (New) TF-OR-EF-WRSS-C Revision A-0, *C Tank Farm Sluicing Operations Rounds* (New) Portable Exhauster Roundsheet (New) PCA to TF-OR-EF-C-D, *C, CR Tank Farms and DCRT 244CR Daily Rounds* PCA to TF-OR-EF-C-W, *C Tank Farm Weekly Rounds* PCA to TF-OR-EF-AYAZ-D, *AY and AZ Tank Farm Daily Rounds* PCA to TF-OR-EF-AYAZ-W, *AY and AZ Tank Farm Weekly Rounds*	JW Bailey	Pre-ORR	CR 1

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Calibration Procedures	6-CVT-329, Revision A-0, *Calibrate Fisher-Rosemount 3044CA115M5 Temperature Transmitter* (New) 6-GENI-320, Revision A-0, *Calibrate ABB Kent-Taylor 2050R Controller* (New) 6-IVS-324, Revision A-0, *Calibrate LFE 371-K Position Indicator* (New) 6-IVS-325, Revision A-0, *Calibrate Triplett UB 120/UB 130 Series Bargraph Meter* (New) 6-TCD-322, Revision A-0, *Calibrate Chromalox 2104-A0140 Temperature Controller* (New) 6-TCD-323, Revision A-0, *Calibrate Chromalox 3101-11000 Overtemperature Indicating Switch* (New) 6-TCD-327, Revision A-0, *Calibrate Devar SM-812/M371/18PIX Temperature Indicator* (New)	RR Bevins	Pre-ORR	CR 5

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Calibration Procedures (Continued)	6-TCD-328, Revision A-0, *Calibrate Devar 18-132 Temperature Switch* (New) 6-MISC-392, Revision A-0, *Calibrate AMC Control Module* 6-PCD-393, Revision A-0, *Calibrate Barton Model 289 Differential Pressure Indicator* 6-MISC-394, Revision A-0, *Calibrate AMC Vel Trol II* 6-MISC-395, Revision A-0, *Calibrate Syst. Pyro. SM-812/M371/18PIX Temperature Indicator*	RR Bevins	Pre-ORR	CR 5
Preventative Maintenance Procedures	PCA to 6-TF-155P, *Appendix P, 241-C-106 Tank Exhauster Stack 296-C-6 Air Flow Test Data Sheet* PCA to 6-TF-156TJ, *Appendix TJ, 241-C-105/106 Tank Inlet Filter Aerosol Test Data Sheets* PCA to 6-TF-156TT, *Appendix TT, 241-C-106, Tank Exhauster 296-C-6 Aerosol Test Data Sheets* PCA to 6-TF-221, *Inspection of Cathodic Protection Rectifiers* PCA to 6-TF-357, *Cathodic Protection System Testing* PCA to 6-TF-357ET, *Cathodic Protection System Testing East Tank Farms*	RR Bevins	Pre-ORR	CR 5

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Repair/Maintenance Procedures	Not Applicable. The Project has no repair maintenance procedures.	-----	-----	Not Applicable
Functional Check Procedures	3-RM-321, *HEME/HEMF Radiation Probe Functional Check* 3-MISC-392, *AMC Exhaust Stack Functional Check* 3-GENI-374, *AY-102 Seismic Switch Functional Check* 3-GENI-376, *C-106 Seismic Switch Functional Check*	RR Bevins	Pre-ORR	CR 1, 15, 18
Functional Test Procedures	TF-FT-049-001, Revision B-1, *Perform TMACS Functional Test Procedure* (Revised) TF-FT-359-001, Revision A-0, *C Farm Seismic Shutdown System Functional Test* (New) TF-FT-259-002, Revision A-0, *AY Farm Seismic Shutdown System Functional Test* (New) TF-FT-259-007, Revision A-0, *AY/AZ Farm Transfer Leak Detection Functional Test*(Revised) TF-FT-359-009, Revision A-0, *C Farm Transfer Leak Detection Functional Test* (New) TF-FT-359-008, Revision A-0, *P-16 Exhauster CAM Interlock Functional Test* (New) TF-FT-359-010, Revision A-0, *C-006 Exhauster CAM Interlock Functional Test* (New)	RR Bevins	Pre-ORR: 049-001 359-001 259-002 359-010 OAC II: 359-009 259-007 359-008	CR 1, 15, 18

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
Emergency Response Procedure	HNF-IP-0263TF, Revision, *Tank Farms Emergency Response Procedure*	JW Bailey	Pre-ORR	CR 9
Maintenance Plan	HNF-2525, *Project W-320 Maintenance Plan*	RR Bevins	OAC II	CR 5
PM/S Data Sheets	HNF-2520 Revision 1, *Project W-320 Instrument List* The data sheets will not be reviewed or approved until after OAC II. When all the data sheets are entered into the system the Project W-320 Instrument List will be revised to include the PM/S number for each applicable instrument.	RR Bevins	Pre-ORR	CR 5
Instrument List	HNF-2520, Revision 0, *Project W-320 Instrument List*	RR Bevins	OAC II	Not Applicable
Setpoint Justification Document	HNF-2556, *Project W-320 Instrumentation Setpoint Justification*	RR Bevins	Pre-ORR	Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
QUALITY ASSURANCE				
Inspection Plan	IP-W320-C1, *Inspection Plan for Tank 241-C-106 Sluicing Package I - Sitework/Interfarm Piping System* IP-W320-C2, *Inspection Plan for Equipment Removal System* IP-W320-C3, *Inspection Plan for Trailer Utilities Installation* IP-W320-C5, *Inspection Plan for C Tank Farm* IP-W320-C6, *Inspection Plan for Process Building Skid Fabrication* IP-W320-C7, *Inspection Plan for AY Tank Farm*	MA Lane	OAC II	Not Applicable
QAPP	WHC-SD-WM-W-320-QAPP-001, *241-C-106 Sluicing Quality Assurance Project Plan*	KC Conrad	OAC II	Not Applicable
QAP,P	Not Applicable.			Not Applicable

MASTER ABU - WASTE RETRIEVAL SLUICING SYSTEM (W-320)				
Checklist Item	Document Number and Title	Responsible Individual	Anticipated Turnover Period*	ORR Core Requirement Addressed
PROCUREMENT				
Vendor Information Files	HNF-2528, *Project W-320 Master Vendor Information List* VI Information for the Check Valves to be used in the Floor Drain and the spare fan for the portable exhausters will be turned over upon receipt All items contained on the Vendor Information List have been entered into files. The Project will turnover FDNW Vendor Information to DST Engineering at completion of their contract.	JW Bailey	OAC II Pre-ORR	Not Applicable
Warranties	HNF-2528, *Project W-320 Vendor Information List*	JW Bailey	OAC II	Not Applicable
Master Equipment List	HNF-2328, *Project W-320 Master Equipment List*	RR Bevins	Pre-ORR	Not Applicable
Spare Parts List	HNF-2404, Revision 1, *Project W-320 Tank 241-C-106 Spare Parts List*	RR Bevins	Pre-ORR	CR 5
Spare Parts in Stock	HNF-2404, *Project W-320 Tank 241-C-106 Spare Parts List*	RR Bevins	Pre-ORR	CR 5

ATTACHMENT 1 Correspondence, NHC to FDH, NHC-97571244, *Project 93L-EWW-320 "Tank C-106 Sluicing," DOE 6430.1A Criteria Deviation Request*

NHC
Numatec Hanford Corporation
An SGN/Cogema, Inc. Company

August 12, 1997

NHC-9757144

Mr. J. R. Bell, Manager
Industrial Safety & Fire Protection
Fluor Daniel Hanford
P. O. Box 1000 G1-15
Richland, Washington 99352

Dear Mr. Bell:

PROJECT 93L-EWW-320, "TANK 241-C-106 SLUICING, "DOE 6430.1A CRITERIA DEVIATION REQUEST

This letter requests a deviation from criteria contained in U. S. Department of Energy, Richland Operations Office (RL) 6430.1A covering automatic sprinkler system requirements for the Process Building covered by this project. This request is supported by a Fire Hazard Analysis (FHA) (copy attached). This analysis has determined that an automatic sprinkler system is not required for this building. The reasoning and technical basis for making this determination have been extracted from the analysis and are summarized below.

This deviation request was originally submitted to Mr. A. W. Kellogg, RL, who has retired. This re-submittal is being made at the request of the RL Project Manager for Project W-320.

Project W-320 will provide the facility modifications required to retrieve and transfer high heat wastes from single shell tank 241-C-106 to double shell tank 241-AY-102 using past practice sluicing technology. The transfer of this waste is required to resolve the high heat safety issue for tank 241-C-106. The project is essentially two sets of pumps, a sluicer, a slurry distributor, two buried pipelines between the two tanks, a new ventilation system for tank 241-C-106, and associated instrumentation, along with operations control stations in both tank farms.

a.) <u>The specific requirement from which a deviation is requested.</u>

A deviation is requested to the criteria for automatic sprinklers as found in DOE 6430.1A, Section 1530-99.0, which requires automatic water sprinkler coverage throughout the Process Building.

P.O. Box 1300, Richland, Washington 99352

b.) Analysis of hazards including the nature, magnitude, and consequences.

As discussed in the FHA, a review of the equipment and instrumentation drawings indicates that there are no significant combustible loadings. The only identified ignition source results from electrical failure. Any resulting fire is expected to be limited in size and is not expected to spread due to the very low combustible loading. Automatic sprinkler protection is not expected to prevent or reduce any subsequent loss that may result from an electrical failure, and even if an external fire were to occur and involve the Process Building, the consequences would not exceed $1,000,000 or result in adverse health impacts to the onsite or offsite individual beyond DOE required limits. Consequently, automatic water sprinkler protection is not recommended.

c.) The specific "effects" on the magnitude for an incident that can be attributed to noncompliance.

The Process Building is located in developed areas where fire hydrant protection is provided. Replacement costs associated with a maximum credible fire (MCFL) would be increased to equal that of the maximum possible fire (MPFL). However, the dollar loss would still be within DOE 5480.7A and 6430.1A limits for such a loss in an unsprinklered facility. Additionally, the 200 Area fire station provides a five-minute response time to the building. This will likely limit the loss to minimal levels.

d.) All necessary and applicable drawings, specifications, etc., depicting the changes that would result from the deviation.

Only the design media for Project W-320 would be affected by this deviation.

e.) The reasoning and technical basis for the conclusion that noncompliance is acceptable.

- The possibility of a fire is remote because of the noncombustible building construction and the low fuel loading in the building.

- Radiological or toxicological release are not postulated to occur as a result of a MPFL event.

- The replacement cost of a building in the event of a fire is less than $1,000,000. See the attached preliminary FHA WHC-SD-W320-FHA-001, Rev. 0. Please note that the FHA did not provide deposition and cleanup cost analysis. Property loss figures were exaggerated to account for the fact that the facility is located in a radiation zone. This is a reasonable method and is likely to be conservative for calculating the consequences based on a graded approach and negligible contamination in and around the building.

- Portable fire extinguishers (type ABC dry chemical) will be provided.
- The Process Building is located in a developed area which has adequate fire hydrant protection.
- The 200 Area fire station provides a five-minute response time to any of the new buildings.
- There will be no permanent occupancy of the new buildings. Maintenance and operations personnel will periodically occupy the buildings on a temporary basis to perform assigned duties.
- The maximum credible fire loss is the same as the maximum possible fire loss, which is below the level that would require automatic fire protection.

f.) The term for which the deviation is required.

The deviation is permanent for the life of Project W-320.

This request has been discussed with Messrs. W. Abdul and C. P. Christenson. If you have any questions regarding this subject, please contact Messrs. J. W. Bailey on 372-0045 or N. F. Barilo on 372-3191.

Very truly yours,

Jack W. Lentsch

Jack W. Lentsch, Project Manager
Numatec Hanford Corporation

cjh

Attachment

ATTACHMENT 2 Correspondence, FDH to DOE, FDH-9757289, *Contract DE-AC06-96RL13200, Secti H-14, Laws, Regulations, and DOE Directives - Deviation Request for DOE 6430.1A, "Gener Design Criteria"*

FLUOR DANIEL

Fluor Daniel Hanford, Inc.
P.O. Box 1000
Richland, WA 99352

August 20, 1997

FDH-9757289

Mr. J. E. Kinzer, Assistant Manager
Tank Waste Remediation
U.S. Department of Energy
Richland Operations Office
Post Office Box 550 S7-50
Richland, Washington 99392

Dear Mr. Kinzer:

CONTRACT DE-AC06-96RL13200, SECTION H-14, LAWS, REGULATIONS, AND DOE DIRECTIVES - DEVIATION REQUEST FOR DOE 6430.1A, "GENERAL DESIGN CRITERIA"

Reference: Letter, S. R. Morgan, WHC, to A. W. Kellogg, RL, "Project 93L-EWW-320, Tank 241-C-106 Sluicing, DOE 6430.1A Criteria Deviation Request," #9556514 dated January 9, 1996.

The subject contract section requires compliance with DOE 6430.1A, "General Design Criteria." In turn, DOE 6430.1A, Section 1530-99.0, requires the installation of automaic sprinkler protection.

Fluor Daniel Hanford, Inc., (FDH) is requesting a permanent deviation from this requirement for Project 93L-EWW-320, "Tank 241-C-106 Sluicing." This request was originally submitted (by the referenced letter) to Mr. A. W. Kellogg, RL, who has retired, and was reviewed by RL's Quality, Safety, and Health Programs Division (QSH). However, a response was never received and the deviation is being re-submitted as requested by the RL Project Manager (Mr. W. Abdul).

The Fire Hazards Analysis (FHA) for Project 93L-EWW-320 is attached as a supporting document for the deviation request. The FHA is also being included for review by RL's QSH Division as required by RLID 5480.7, "Fire Protection," Section 6.2.e.

RECEIVED
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ATTACHMENT 3 Correspondence, 97-WSD-255, *Contract Number DE-AC-06-96RL13200 - Section H 14, Laws, Regulations and U.S. Department of Energy (DOE), Richland Operations Office (R Directives - Deviation Request for 6430.1A "General Design Criteria" for Project W-320 Tank C-106 Sluicing*

9762078

CC RECD: 12/31/97

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

DEC 18 1997

97-WSD-255

Mr. H. J. Hatch, President
Fluor Daniel Hanford, Inc.
Richland, Washington 99352

Dear Mr. Hatch:

CONTRACT NUMBER DE-AC06-96RL13200 - SECTION H-14, LAWS, REGULATIONS, AND U.S. DEPARTMENT OF ENERGY, (DOE), RICHLAND OPERATIONS OFFICE (RL) DIRECTIVES - DEVIATION REQUEST FOR 6430.1A, "GENERAL DESIGN CRITERIA" FOR PROJECT W-320, TANK C-106 SLUICING

In reference to the Fluor Daniel Hanford, Inc. letter from A. M. Umek to J. Kinzer, RL, "Section H-14, Laws, Regulations, and DOE Directives - Deviation Request for DOE 6430.1A, 'General Design Criteria'," FDH-9757289, dated August 20, 1997, RL has reviewed the Fire Hazard Analysis in support of the deviation request. The deviation request has been reviewed in accordance with RLID 5480.7, Section 6.1.d(2). As a result of the review, RL concurs with the contractor's justifications presented in the deviation request.

The deviation request pertains to DOE 6430.1A, Section 1530-99.0, "Requirement for the Installation of an Automatic Fire Suppression System in a Nonreactor Nuclear Facility." The specific facility is the 241-C-91 Process Building installed under Project W-320. The 241-C-91 Process Building is a 15 foot by 25 foot insulated, pre-engineered, metal building that contains equipment for air treatment. A fire event in the structure will not produce a Maximum Possible Fire Loss (MPFL) that would warrant the installation of an automatic fire suppression system. Also, radiological and toxicological releases are not postulated to occur as a result of MPFL event.

If any direction is provided by a Contracting Officer's Representative (COR) which your company believes exceeds the COR's authority, you are to immediately notify the Contracting Officer and request clarification prior to complying with the direction.

If you have any questions, please contact Wahed Abdul on 372-2355.

Sincerely,

J. K. McClusky, Director
Waste Storage Division

WSD:WA

cc: H. M. Bucci, FDH
C. E. Hatch, FDH
A. M. Umek, FDH