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Title/Desc:

241SY101 MULTIPORT RISER ACCEPTANCE FOR BENEFICIAL
USE

OCT 02 1995

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT No 610872

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) Test Engineering	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: Mitigation	6. Cog. Engr.: R.E. Mendoza	7. Purchase Order No.: N/A
8. Originator Remarks: This EDT transmits the Acceptance for Beneficial Use (ABU) checklist for the Multi-Port Riser (MPR) assembly installed on riser 5A of tank 241-SY-101. This ABU checklist identifies all items necessary to turn the MPR over to Operations, Maintenance, and Plant Engineering. Receiver approval signifies agreement that the ABU checklist identifies all of the required items and documents for equipment turnover.		9. Equip./Component No.: N/A
11. Receiver Remarks:		10. System/Bldg./Facility: 241-SY-101
		12. Major Assm. Dwg. No.: H-2-821100
		13. Permit/Permit Application No.: N/A
		14. Required Response Date:

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	WHC-SD-WM-ABU-003		0	241-SY-101 Multiport Riser Acceptance for Beneficial Use	N/A	1	1	

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, O, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged	

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)												
(G)	(H)	(J) Name (K) Signature (L) Date (M) MSIN				(J) Name (K) Signature (L) Date (M) MSIN				(G)	(H)	
1	/	Cog. Eng. RE Mendoza	<i>[Signature]</i>	07-11-95	R1-51	Project Engineer DR Precechtel	<i>[Signature]</i>			N1-21	3	
1	/	Cog. Mgr. RW Reed	<i>[Signature]</i>	07-11-95	R1-51	SY-101 Mitigation Equip. Cog.	<i>[Signature]</i>					
1	/	West Operations DP Reber	<i>[Signature]</i>	09-14-95		G. J. Gauck	<i>[Signature]</i>			T4-07	1	/
1	/	West Systems Eng. SH Rifaey	<i>[Signature]</i>		T4-07							
1	/	Maintenance Manager SP Youngerman	<i>[Signature]</i>									
3		Project Manager RE Bauer	<i>[Signature]</i>		L6-37							
3		Project Engineer DB Graves	<i>[Signature]</i>		L6-38							

18. Signature of EDT Originator RE Mendoza <i>[Signature]</i> Date: 8-30-95	19. Authorized Representative for Receiving Organization Date: _____	20. Cognizant Manager RW Reed <i>[Signature]</i> Date: 25 Sep 95	21. DOE APPROVAL (if required) Ctrl. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments
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RELEASE AUTHORIZATION

Document Number: WHC-SD-WM-ABU-003, REV 0

Document Title: 241-SY-101 Multiport Riser Acceptance for Beneficial Use

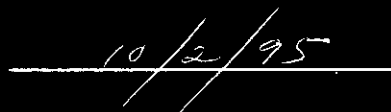
Release Date: 10/2/95

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APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:


Kara Broz


10/2/95

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SUPPORTING DOCUMENT1. Total Pages **4****2. Title**

241-SY-101 Multiport Riser Acceptance for Beneficial Use

3. Number

WHC-SD-WM-ABU-003

4. Rev No.

0

5. Key Words

SY Tank Farm, Multiport Riser (MPR), Acceptance for Beneficial Use (ABU)

6. Author

Name: RE Mendoza

Signature

Organization/Charge Code 77640/N2B2H

7. Abstract

This document formally demonstrates that the Acceptance for Beneficial USE (ABU) process for the SY tank farm Multiport Riser assembly has been properly completed in accordance with the ABU checklist. For each item required on the ABU checklist, a bibliography of the documentation prepared and released to satisfy the requirement is provided.

8. RELEASE STAMP

241-SY-101 Multiport Riser Acceptance for Beneficial Use

The 241-SY-101 Multiport Riser (MPR) assembly was installed on riser 5A to provide multiple riser penetrations in place of one 42 inch riser, and also to provide pressure relief in the event of a hydrogen burn within the tank. The MPR requires no operation of components and has no routine maintenance associated with it; therefore, there are no operating or maintenance procedures. Any repairs will be unique and will be accomplished with specific work packages.

This Supporting Document is intended to be used by Waste Tank Operations personnel as a guide of all of the required turnover documentation for the SY-101 Multiport Riser. This SD is also intended to demonstrate formal completion of all requirements of the ABU checklist for this project.

**DOCUMENTATION REQUIRED for
ACCEPTANCE FOR BENEFICIAL USE**

DESCRIPTION	RESPONSIBILITY	DESCRIPTION	RESPONSIBILITY
<u>ENGINEERING</u>		<u>ENGINEERING cont'd</u>	
• Engineering Task Plan (ETP) [X]	DR PRECECHTEL	• Incorporate outstanding project generated ECNs [X]	DB Graves
• Activity Schedule []		• Software Configuration Management Plan []	
• Final Safety Analysis Report (FSAR) []		• System Requirements Specs. []	
• Interim Safety Basis - update []		• Software Design Description []	
• Safety Assessment (SA) [X]	DR PRECECHTEL	• Validation & Verification Records []	
• Safety Equipment List (SEL) [X]	RE MENDOZA		
• Operational Safety Requirements (OSR) - or update existing []		<u>TRAINING</u>	
• Operational Safety Document(s) (OSD) - or update existing []		• Training Plan []	
• Functional Design Criteria (FDC) [X]	DR PRECECHTEL	• Training Manuals []	
• Conceptual Design Report (CDR) []		• Training to Operating Crews (Installation) [X]	DP NIEBUHR
• Supplemental Design Requirements Document (SDRD) []		• Training to Maintenance Crews []	
• System Design Description (SDD) []		• Training Mock-Up []	
• Test Plan/Specifications []		<u>OPERATIONS/ MAINTENANCE</u>	
• Acceptance Test Procedures (ATPs) and Final Test Report [X]	DR PRECECHTEL	• Operating and Maintenance Manuals []	
• Operational Test Procedures (OTPs) and Final Test Report []		• Operating Procedures []	
• Environmental Impact Statement []		• Surveillance Procedures [X]	DR PRECECHTEL
• Environmental Report []		• Calibration Procedures []	
• Environmental Permit []		• Preventative Maintenance Procedures []	
• Hazardous Waste Disposal Plan/Procedures []		• Repair/Maintenance Procedures []	
• Solid Waste Disposal Plan/Procedures []		• Functional Check Procedures []	
• Stress/Seismic Analysis [X]	JP STREHLOW	• CBRS (PM/S) Data Sheets []	
• Stress/Design Report [X]	JP STREHLOW	<u>QUALITY ASSURANCE</u>	
• Design Specifications/Report []		• Inspection Plan []	
• Equipment Specifications []		• QAPP []	
• Procurement Specifications [X]	DR PRECECHTEL	• QAP _J P []	
• Construction Specifications []		<u>PROCUREMENT ACTIVITIES</u>	
• Essential Material Specifications []		• Vendor Information Files [X]	DR PRECECHTEL
• Final Design Drawing(s) [X]	DR PRECECHTEL	• Comprehensive Equip. List []	
• Installation Drawing(s) [X]	DR PRECECHTEL	• Spare Parts List [X]	DR PRECECHTEL
• Installation Work Plan [X]	RE MENDOZA	• Spare Parts in Stock [X]	DR PRECECHTEL
• As-built Drawing(s) [X]	DR PRECECHTEL		
• Interface Control Drawing(s) []		• ENVIRONMENTAL LETTER [X]	DR PRECECHTEL
• IEPD Drawing(s) []		• _____ []	
• Systems Drawing(s) []		• _____ []	
• Drawing Tree []			

ABU INDEX - MULTIPORT RISER		
Checklist Item	Document Number & Title	Comments
Engineering Task Plan	WHC-SD-WM-WP-257, "Multiport Riser Assembly Engineering Work Plan" ECNs 165006 and 198604	
Safety Assessment	LA-UR-92-3196, "A Safety Assessment for Proposed Pump Mixing Operations to Mitigate Episodic Gas Releases in Tank 241-SY-101; Hanford Site, Richland, Washington, July 1994, Revision 10, Los Alamos National Laboratory"	
Safety Equipment List (SEL)	ECN 622542 released (supplemental to WHC-SD-WM-SEL-026).	
Functional Design Criteria	WHC-SD-WM-FDC-027, Rev. 1; EDT 600113; ECN 198616, "Tank SY-101 Multiport Riser Assembly Functional Design Criteria"	
Acceptance Test Procedure and Final Test Report	WHC-SD-WM-ATP-084, Rev. 0, "Acceptance Test Procedure for Multiport Riser"; WHC-SD-WM-ATR-084, Rev. 0, "Multiport Riser and Flange Assemblies Acceptance Test Report"	
Stress/Seismic Design Analysis/Report	WHC-SD-WM-SA-162, Rev. 0, "Structural Analysis of MPR, Tank 241-101-SY"	
Procurement Specifications	WHC-S-0255, Rev. 2, "Specification for Procurement of Multiport Riser Pressure Relief Panels"	
Final Design, Installation, and As-Built Drawings	H-2-821101, "42 in. Multiport Adapter Riser Assembly"; H-2-821096, "Multi-Port Riser Leveling Jack"; H-2-821095, "Multi-Port Supports and Base Plates"	
Installation Work Plan	TFPE-YP-0216, "Multiport Riser Installation in Riser 5A of TK 241-SY-101"	
Project ECNs incorporated	Revisions to drawings completed 8-30-95	
Training to Operating Crews (Installation)	Classroom and field instruction for installation	
Surveillance Procedures	Tank 101-SY Mitigation-By-Mixing Test Weekly Surveillance Rounds	
Vendor Information Files	Vendor Information File #22690	
Spare Parts List/in Stock	Submitted to C.S. Spears	
Environmental Letter	Letter, TSA-6-94-209(M110), Evaluation of the Mixer Pump Safety Assessment, Revision 10, Against the Environmental Assessment, K.O. Pasamehmetoglu (Los Alamos National Lab) to J. Lentisch, July 13, 1994	