

STA. 4
JAN 17 2001

18

ENGINEERING DATA TRANSMITTAL

1. EDT 624153

2. To: (Receiving Organization) Dist. Division	3. From: (Originating Organization) TD Torres, COGEMA Engineering	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: Painted AW-104 Transfer Pump	6. Design Authority/Design Agent/Cog. Eng.: T. Laney/J. Jones	7. Purchase Order No.: N/A
8. Originator Remarks: This EDT transmits documentation which reflects completion of the APU process for transfer pump replacement at 241 AW 104. Receiver approval signifies acceptance for the equipment and of the responsibility for its operation and maintenance from the date of signature.		9. Equip./Component No.: N/A
11. Receiver Remarks: 11A. Design Baseline Document? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		10. System/Bldg./Facility: 241-AW 104
		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(L) 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	RPP-7585		0	Acceptance for Beneficial Use (ABU) for 241-AW 104 Waste Transfer Project	0	1	1	

16. KEY		
Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
F, S, O, D OR N/A (See WHC-CM-5-5, Sec. 12.2)	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) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
	1	Design Authority T. Laney	<i>T. Laney</i>	1/16/01	55-05			DIST OPS Dir. Sparks	<i>Dan Sparks</i>	1-18-01	
	1	Design Agent CE Hanson	<i>CE Hanson</i>	1/16/01	R4-07	1	1	DIST Maint. EL Legg	<i>EL Legg</i>	1-16-01	
	1	Cog. Eng. T. Laney	<i>T. Laney</i>	1/16/01	55-05			CE Hanson <i>Bob</i>			
	1	Cog. Mgr. TC Green	<i>TC Green</i>	1/16/01	55-13	1	1	JR Biggs	<i>JR Biggs</i>	1/16/01	R4-08
	1	QA BR McElroy	<i>BR McElroy</i>	1/17/01	57-07	3	5	ML SHERRIFF			
	1	Subst. Mgr. J. Jones	<i>J. Jones</i>	1/16/01	55-03	3	5	B.S. Mewes		R4-08	
	1	Eng. TA DeLoboff	<i>TA DeLoboff</i>	1/16/01	55-03						

18. <i>Teresa Torres</i> TD Torres Signature of EDT Originator Date: 1-15-01	19. <i>Dan Sparks</i> Dist. Sparks Authorized Representative for Receiving Organization Date: 1-18-01	20. <i>T. Laney</i> T. Laney Design Authority/Originator Manager Date: 1/16/01	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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Acceptance for Beneficial Use (ABU) for 241-AW-104 Waste Transfer Project

Teresa D Torres

COGEMA Engineering

Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-96RL13200

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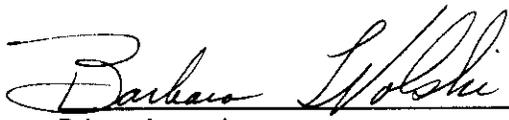
11/17/01

Key Words: Acceptance for Beneficial Use, ABU, 241-AW-104,
Pump Replacement and Transfer

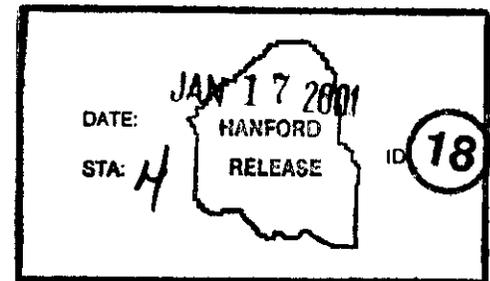
Abstract: This Acceptance for Beneficial Use (ABU) presents documentation that shows completion of the ABU checklist from RPP-6869.

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Release Approval

4/17/01
Date



Release Stamp

Approved For Public Release

**Acceptance for Beneficial Use (ABU)
For 241-AW-104 Waste Transfer Project**

January 12, 2001

Prepared by:
T. D. Torres
COGEMA Engineering Corporation
Richland, Washington

Prepared for:
River Protection Project
Richland, Washington

Acceptance for Beneficial Use (ABU) For 241-AW-104 Waste Transfer Project

1.0 INTRODUCTION

In October of 2000 an Engineering Task Plan (ETP), RPP-6869, was drafted to define objectives, document requirements, and define organizational responsibilities for the purpose of design installation and turnover of the 241-AW-104 Pump Replacement Project. The ETP included an Acceptance For Beneficial Use (ABU) checklist, which delineated all tasks necessary to turn the 241-AW-104 Replaced Transfer Pump over to Operations, Maintenance, and Plant Engineering. Signature approval of the respective Engineering Data Transmittal (EDT 630501) signified agreement that the ABU checklist was all-inclusive.

2.0 PURPOSE

This supporting document is to serve three purposes:

- 1) to collectively index all documentation requirements identified in the ABU Checklist;
- 2) to demonstrate formal completion of all requirements of the ABU Checklist for this project, and;
- 3) to transfer responsibility for operating and maintaining the 241-AW-104 transfer pump from the Pump Replacement Project to east tank farms.

This document is prepared and issued in accordance with the requirements in HNF-IP-0842, Volume IV, Section 3.12.

3.0 SCOPE

The scope of this ABU turnover document includes the ABU index and a list (Table 2) of associated documentation provided by the Pump Replacement Project.

4.0 DESCRIPTION

Table 1 is a copy of the approved ABU Checklist issued in the ETP (RPP-6869). Table 2 lists each item required by the ABU Checklist, and identifies the corresponding document control number(s) that satisfy the requirement. An explanation of any exceptions or open items is included in the table.

5.0 REFERENCES

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

RPP-6869, Rev. 0, *Engineering Task Plan for AW-104 Waste Transfer Project*

Table 1 ACCEPTANCE FOR BENEFICIAL USE CHECKLIST

<p>ENGINEERING</p> <p><input checked="" type="checkbox"/> Engineering Task Plan</p> <p><input checked="" type="checkbox"/> Activity Schedule</p> <p><input type="checkbox"/> Final Safety Analysis Report</p> <p><input type="checkbox"/> Interim Safety Basis - update</p> <p><input type="checkbox"/> Safety Assessment</p> <p><input type="checkbox"/> Safety Equipment List</p> <p><input type="checkbox"/> Operational Safety Requirements - or update existing</p> <p><input type="checkbox"/> Operational Safety Document(s) - or update existing</p> <p><input checked="" type="checkbox"/> Functional Requirements & Technical Criteria</p> <p><input type="checkbox"/> System Design Description</p> <p><input type="checkbox"/> Test Plan/Specifications</p> <p><input checked="" type="checkbox"/> Acceptance Test Procedures and Final Test Report</p> <p><input type="checkbox"/> Operational Test Procedures and Final Test Report</p> <p><input type="checkbox"/> Environmental Impact Statement</p> <p><input type="checkbox"/> Environmental Report</p> <p><input type="checkbox"/> Environmental Permit</p> <p><input checked="" type="checkbox"/> Hazardous Waste Disposal Plan/Procedures</p> <p><input checked="" type="checkbox"/> Solid Waste Disposal Plan/Procedure</p> <p><input checked="" type="checkbox"/> Stress Analysis</p> <p><input type="checkbox"/> Stress/Design Report</p> <p><input type="checkbox"/> Design Specifications/Report</p> <p><input type="checkbox"/> Equipment Specifications</p> <p><input checked="" type="checkbox"/> Procurement Documents</p> <p><input type="checkbox"/> Construction Specification</p> <p><input type="checkbox"/> Essential Material Specifications</p> <p><input checked="" type="checkbox"/> Final Design Drawings</p> <p><input type="checkbox"/> Installation Drawings</p> <p><input type="checkbox"/> Installation Work Plan Approval</p> <p><input checked="" type="checkbox"/> As-built Drawings</p> <p><input type="checkbox"/> Interface Control Drawings</p> <p><input type="checkbox"/> IEFD Drawings</p> <p><input type="checkbox"/> Systems Drawings</p> <p><input type="checkbox"/> Drawing Tree</p> <p><input type="checkbox"/> Incorporate Outstanding Project Generated ECNs</p> <p><input type="checkbox"/> Balance of Plant Instruments</p> <p><input type="checkbox"/> Safety/Environmental Compliance Matrix</p> <p><input type="checkbox"/> Hard to find information including PNNL Reports, NOC Letters, Other Letter reports, etc.</p> <p><input type="checkbox"/> Commercial grade dedications per HNF IP-0842, IV 3.11</p> <p><input type="checkbox"/> Converted vendor drawings into issued Hanford Plant Drawings</p>	<p>J Irons BH Morrison</p> <p>CP Shaw</p> <p>GA Leshikar</p> <p>CA Esvelt CA Esvelt BW Smyth</p> <p>GA Leshikar</p> <p>TC Dale</p> <p>TC Dale</p>	<p>ADP</p> <p><input type="checkbox"/> Software Configuration Mgmt Plan</p> <p><input type="checkbox"/> System Requirements Spec</p> <p><input type="checkbox"/> Software Design Description</p> <p><input type="checkbox"/> Software Validation/Verification</p> <p>TRAINING</p> <p><input checked="" type="checkbox"/> Training Plan</p> <p><input type="checkbox"/> Training Manuals</p> <p><input checked="" type="checkbox"/> Training to Operating Crews</p> <p><input checked="" type="checkbox"/> Training to Maintenance Crews</p> <p><input checked="" type="checkbox"/> Training Mock-Up</p> <p>OPERATIONS/MAINTENANCE</p> <p><input type="checkbox"/> Operating and Maintenance Manuals</p> <p><input checked="" type="checkbox"/> Operating Procedures</p> <p><input type="checkbox"/> Surveillance Procedures</p> <p><input type="checkbox"/> Calibration Procedures</p> <p><input type="checkbox"/> Preventative Maintenance Proc.</p> <p><input type="checkbox"/> Repair/Maintenance Procedures</p> <p><input type="checkbox"/> Functional Check/Test Procedures</p> <p><input type="checkbox"/> LCO Setpoint Evaluation</p> <p><input type="checkbox"/> Master Instrument List</p> <p><input type="checkbox"/> PM/S Datasheets</p> <p><input type="checkbox"/> Program Instrument Setup Data/Parameters</p> <p><input checked="" type="checkbox"/> Final Joint Safety walkdown by Operations, Engineering, and other support, as appropriate.</p> <p>QUALITY ASSURANCE</p> <p><input checked="" type="checkbox"/> Inspection Plan</p> <p><input type="checkbox"/> QAPP</p> <p><input type="checkbox"/> QAP:P</p> <p>PROCUREMENT</p> <p><input checked="" type="checkbox"/> Vendor Information Files (VI)</p> <p><input type="checkbox"/> Comprehensive Equip. List (MEL)</p> <p><input type="checkbox"/> Spare Parts List</p> <p><input type="checkbox"/> Spare Parts in Stock</p>	<p>D. G. Allen</p> <p>D. G. Allen</p> <p>D. G. Allen</p> <p>D. P. Niebuhr</p> <p>J. W. Comer</p> <p>D Scott</p> <p>M McElroy</p> <p>J Irons</p>
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Table 2 ABU Turnover Documentation for 241-AW-104 Farm

	ABU Document	Document Number	Document Title	Status and Comments
1	Engineering Task Plan	RPP-6869	Engineering Task Plan for AW-104 Transfer Project	Released, see EDT 630501
2	Activity Sheet	RPP-6869 Appendix B	Schedule	Released, see EDT 630501
3	Functional Requirements & Technical Criteria	RPP-6543	Project Definition Criteria for Replacement of Failed 241-AW-104 Transfer Pump	Released, see EDT 628317
4	Acceptance Test Procedure and Final Test Report	See Item 18, VI Files	N/A	Sulzer performed tests and the results are in the Vendor Information Files
5	Hazardous Waste Disposal Plan / Procedures	N/A	Summary of AW-104 Pump Hazardous Waste and Solid Waste Disposal	Released, See Internal Memo 7L000-01-CAE-001
6	Solid Waste Disposal Plan/Procedure	N/A	Summary of AW-104 Pump Hazardous Waste and Solid Waste Disposal	Released, See Internal Memo 7L000-01-CAE-001
7	Stress Analysis	RPP-6996	AW-104 Waste Transfer Project Calculation Notes	Released, see EDT 627419
8	Procurement Documents	N/A	AW-104 Pump Testing and Modification	Complete
9	Final Design Drawings	H-2-70324 sh 1	ELECTRICAL RELAY CABINET ARRANGEMENT & DETAILS	AW-104 changes in ECN-666025 ECN-657067 ECN-663023 ECN-663263

Table 2 ABU Turnover Documentation for 241-AW-104 Farm

ABU Document	Document Number	Document Title	Status and Comments
	H-2-70324 sh 5	Electrical Plans And Details	AW-104 changes in ECN-666024L ECN-666025 ECN-657067 ECN-663024 ECN-663023 ECN-663263
	H-2-70325 sh 1	Electrical Power And Control Elementary Diagrams	AW-104 changes in ECN-657067
	H-2-70333 sh 1	Electrical Power & Control Wire Run List & Conduit Schedule	AW-104 changes in ECN-666024L ECN-666025 ECN-657067 ECN-663024 ECN-663023 ECN-663263
	H-2-70333 sh 3	Electrical Conduit Wire Run Schedule	AW-104 changes in ECN-657067
	H-2-94152 sh 1	Electrical/Instrument Control Schematic	AW-104 changes in ECN-657067
	H-14-030002 sh 2	Electrical Eds Panelboard Schedule	AW-104 changes in ECN-657067 ECN-666024L
	H-2-91943 sh 1	Process Turbine Pump AN-AW-AP	AW-104 changes in ECN-639178
	H-2-91943 sh 3	Process Turbine Pump AN-AW-AP	AW-104 changes in ECN-639178
	H-2-92331 sh 1	Turbine Pump & Lube Oil Control Schematic	AW-104 changes in ECN-663265
	H-2-70362 sh 1	Instrumentation Annunciator Elementary Diagram	AW-104 changes in ECN-663265

Table 2 ABU Turnover Documentation for 241-AW-104 Farm

	ABU Document	Document Number	Document Title	Status and Comments
10	As-Built Drawings	See Item 9, Final Design Drawings	N/A	No drawings were issued for this project. Released ECNs are listed in Item 9.
11	Training Plan	N/A	AW tank farm TK-104 pump removal equipment Testing Training Plan #79800-00-03	Complete
12	Training to Operating Crew	N/A	AW tank farm - 104 pump removal equipment testing trainee guide TRP#12.A.2 Rev. A.0	Complete
13	Training to Maintenance Crew	N/A	AW tank farm - 104 pump removal equipment testing trainee guide TRP#12.A.2 Rev. A.0	Complete
14	Training Mockup	N/A	Summary Package/Simulated work area training AW-104 transfer pump removal	Complete
15	Operating Procedures	N/A	Procedure #TO-230-108	Complete
16	Final Joint Safety Walkdown	N/A	241-AW Inspection Walkdown checklist 1/17/2001 (Post Transfer Punchlist)	Walkdown checklist items to be completed on or before 3-31-01
17	Inspection Plan	Contract # 8382, Contract Req. 00055181	Quality Assurance Inspection Plan	Complete
18	Vendor Information Files (VI)	VI-21991 and VI-22043	VI-21991 for IP-TX1-AN/AW VI-22043 for 3P-TX4-XCR-1	Supplements to VI-21991 released by EDTs -630508 and -630505 Supplements to VI-22403 released by EDTs -630507 and -630506