SEP 13 1996

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT 617990

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) Characterization Equipment Design		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: Characterization Project		6. Design Authority/ Design Agent/Cog. Engr.: R. J. Blanchard/B. R. Johns/R. N. Dale		7. Purchase Order No.: N/A	
8. Originator Remarks: Attached is a partial Acceptance for Beneficial Use for Distribution Trailer HO-64-3533 which an X-ray cable reel was added to support core sampling operations.				9. Equip./Component No.: HO-64-3533	
				10. System/Bldg./Facility: 03/200G/ES	
11. Receiver Remarks: NONE		11A. Design Baseline Document? ☐ Yes ☒ No		12. Major Assm. Dwg. No.: SK-2-24120	
				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: N/A	

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 Trans- mittal	Orig- inator Dispo- sition	Receiv- er Dispo- sition	
1	WHC-SD-WM-ABU-018	N/A	0	X-RAY IMAGER POWER SOURCE ON DISTRIBUTION TRAILERS	SQ	1	1	N/A	

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)			Disposition (H) & (I)
E, S, Q, 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) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature
1	/	Design Authority R.J. Blanchard	<i>[Signature]</i>	9/14/96	S7-12	1	/	Operations J.S. Lee	<i>[Signature]</i>
1	/	Design Agent B.R. Johns	<i>[Signature]</i>	9/14/96	S7-12				
1	/	Cog.Eng. R.N. Dale	<i>[Signature]</i>	9/14/96	S7-12				
1	/	Cog. Mgr. J.S. Schofield	<i>[Signature]</i>	9/14/96	S7-12				
1	/	QA J.S. Sparks	<i>[Signature]</i>	9/14/96	S7-07				
1	/	Safety J.A. Harvey/M.E. Ruda	<i>[Signature]</i>	9/14/96	S7-01				
NA		Env. N/A							

18. B.R. Johns Signature of EDT Originator Date 9/14/96		19. <i>[Signature]</i> Authorized Representative Date 9/14/96		20. D.W. Hamilton Design Authority/ Cognizant Manager Date 9/14/96		21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments	
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BD-7400-172-2 (05/96) GEF097

BD-7400-172-1

X-RAY IMAGER POWER SOURCE ON DISTRIBUTION TRAILERS

B. R. JOHNS

Westinghouse-Hanford, Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 617990

UC:

Org Code: 75230

Charge Code: N4J2F

B&R Code: EW3120074

Total Pages: 4

Key Words: Electrical, power source, generator, cable reels

Abstract: This Acceptance for Beneficial Use documents the work completed on the addition of an X-ray cable reel on distribution trailer HO-64-3533 for core sampling equipment. Work and documentation remaining to be completed is identified.

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Release Approval

Date

Approved for Public Release

WHC-SD-WM-ABU-018, REVISION 0
ACCEPTANCE FOR BENEFICIAL USE(ABU)

1. Document Title: X-Ray Imager Power Source on Distribution Trailers 3 and 4.
2. Engineering Task No.: ETN 95-0048
3. Document No.: WHC-SD-WM-ETP-155
4. Project No.: ES-95-362
5. Approval Designator: SQ
6. System/Bldg/Facility: 03/2704HV/Core Sampling
7. Equipment/Component No.: H0-64-3532/H0-64-3533
8. ECN/EDT No.: EDT 615421
9. Final ABU _____ Partial ABU X
10. ATP Rerun Required: ☐ Yes ☒ No
11. Description of work completed:

This ABU verifies completion of the installation of an X-ray cable reel on distribution trailer H0-64-3533 under work package ES-95-362. The new cable reel on the trailer provides a dedicated power source of 240/120 vac, 70 amperes for the X-ray cart. The connector on the end of the power cable is physically different thus preventing the incorrect power source from being connected to the X-ray or the X-ray power from being connected to another piece of sampling equipment.

12. EXCEPTIONS:

- 12.1 An X-ray cable reel needs to be added to distribution trailer H0-64-3532.
- 12.2 The plug on the remaining X-ray carts must be changed to match the new connector on the X-ray cable reel.

13. Acceptance Test and Inspections:

- 13.1 Inspection and testing of the X-ray cable reel was completed under work package ES-95-362.

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14. Documents or Other Items/Tasks to be Completed or Updated:

14.1 See Attachment A for list of items.

14.2 Items to be completed:

- a. Spare parts - Add spares to Spare Parts Inventory and order parts. **Responsible:** B. R. Johns **Completion:** Upon completion of both trailers #3 and #4.
- b. Preventative Maintenance(PM) - Add X-ray reel checks to PM 6ES419.

WHC-SD-WM-ABU-018, REVISION 0

ATTACHMENT A

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE

Program/Project Title: X-RAY POWER			ETN: 95-0048		
DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE					
DESCRIPTION	CHK	RESPONSIBILITY	DESCRIPTION	CHK	RESPONSIBILITY
ENGINEERING			TRAINING		
Engineering Task Plan (ETP)	X	ETP-155	Training Plan	N/A	
Activity Schedule	N/A		Training Manuals	N/A	
Final Safety Analysis Report (FSAR)	N/A		Training to Operating Crews	N/A	
Interim Safety Basis - Update	N/A		Training to Maintenance Crews	N/A	
Safety Assessment (SA)	N/A		Training Mock-Up	N/A	
Safety Equipment List (SEL)	N/A				
Operational Safety Requirements (OSR) - or update existing	N/A		OPERATIONS/MAINTENANCE		
Functional Design Criteria (FDC)	N/A				
Conceptual Design Report (CDR)	N/A		Operating and Maintenance Manuals	N/A	
Supplemental Design Requirements Document (SDRD)	N/A		Operating Procedures	N/A	
System Design Description (SDD)	N/A		Surveillance Procedures	N/A	
Test Plan/Specifications	N/A		Calibration Procedures	N/A	
Acceptance Test Procedures (ATPs) and Final Test Report	X	ES-95-362	Preventative Maintenance Procedures	N/A	
Operational Test Procedures (OTPs) and Final Test Report	X	ES-95-362	Repair/Maintenance Procedures	N/A	
Environmental Impact Statement	N/A		Functional Check Procedures	N/A	
Environmental Report	N/A		PM Data Sheets	X	B.R. JOHNS
Environmental Permit	N/A				
Hazardous Waste Disposal Plan/Procedures	N/A		QUALITY ASSURANCE		
Solid Waste Disposal Plan/Procedures	N/A				
Stress/Seismic Analysis	N/A		Inspection Plan	N/A	
Stress/Design Report	N/A		QAPP	N/A	
Design Specifications/Report	X	WHC-SD-WM-DB-029	QAPJP	N/A	
Equipment Specifications	N/A				
Procurement Specifications	X	SK-2-24120	PROCUREMENT ACTIVITIES		
Construction Specifications	X	SK-2-24120			
Essential Material Specifications	N/A		Vendor Information Files	N/A	
Final Design Drawing(s)	N/A		Comprehensive Equipment List	N/A	
Installation Drawing(s)	N/A		Spare Parts List	X	B.R. JOHNS
Installation Work Plan	X	ES-95-362	Spare Parts in Stock	X	B.R. JOHNS
As-built Drawing(s)	N/A				
Interface Control Drawing(s)	N/A				
IEFD Drawing(s)	N/A				
System Drawing(s)	N/A				
Drawing Tree	N/A				
Incorporate outstanding project generated ECN's	N/A				
Software Configuration Management Plan	N/A				
System Requirements Specs.	N/A				
Software Design Description	N/A				
Validation and Verification Records	N/A				