STA 4

NOV 17 1994

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT

609619

2. To: (Receiving Organization) DISTRIBUTION				3. From: (Originating Organization) FIRE SYSTEM MAINT.				4. Related EDT No.: WHC-SD-GN-ATP-20003 REV 0					
5. Proj./Prog./Dept./Div.: 2G-94-00448/W				6. Cog. Engr.: MIKE FERRY				7. Purchase Order No.: N/A					
8. Originator Remarks: THIS IS AN ATP FOR THE HANFORD FIRE DEPT. TO MAKE SURE WE RECIEVE A TROUBLE SIGNAL AND OUR SYSTEM IS WORKING.								9. Equip./Component No.: N/A					
								10. System/Bldg./Facility: FIRE\703\700 AREA					
								12. Major Assm. Dwg. No.: N/A					
11. Receiver Remarks:								13. Permit/Permit Application No.: N/A					
								14. Required Response Date: 12-15-94					
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-GN-ATP-20003	ALL	0	RFAR INSTLATION FOR BLDG. 703, 712, 747, 748, AND 1163				S	2	1			
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					
(G)	(H)	17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)										(G)	(H)
Reason	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	Reason	Disp.		
1	/	Cog.Eng. MIKE FERRY	<i>Mike Ferry</i>	11-10-94	S2-40								
1	/	Cog. Mgr. JJ COOK	<i>JJ Cook</i>		S2-40								
		QA N/A											
1	/	Safety PJ McKENNA	<i>P.J. McKenna</i>	11/16/94	S2-42								
6		RA FISHER			S3-96								
6		OSTI			L8-07								
6		CENTRAL FILES			L8-04								
18. Signature of EDT Originator <i>Mike Ferry</i> Date 11-10-94				19. Authorized Representative for Receiving Organization Date				20. Cognizant Manager <i>JJ Cook</i> Date 11-14-94				21. DOE APPROVAL (if required) Ctrl. No. N/A [N/A] Approved [N/A] Approved w/comments [^C] Disapproved w/comments	

BD-7400-172-2 (04/94) GEF097^GMACPATH~GEF1000^G

BD-7400-172-1

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RELEASE AUTHORIZATION

Document Number: WHC-SD-GN-ATP-20003, REV.0

Document Title: RFAR INSTALLATION FOR BUILDINGS 703, 712, 747, 748
AND 1163

Release Date: November 16, 1994

**This document was reviewed following the
procedures described in WHC-CM-3-4 and is:**

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz

November 16, 1994

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SUPPORTING DOCUMENT		1. Total Pages 108
2. Title RFAR INSTALLATION FOR BUILDINGS 703, 712, 747, 748 AND 1163	3. Number WHC-SD-GN-ATP-20003	4. Rev No. 0
5. Key Words RADIO FIRE ALARM REPORTING <div style="text-align: center; font-weight: bold; font-size: 1.2em;">APPROVED FOR PUBLIC RELEASE</div> <div style="text-align: left; margin-top: 10px;"><i>KMB 11/16/94</i></div>	6. Author Name: MIKE FERRY <div style="margin-top: 10px;"> Signature </div> <div style="margin-top: 10px;"> Organization/Charge Code MFMPM 3C630 </div>	
7. Abstract THIS DOCUMENT IS TO CERTIFY THE INSTALLATION AND TESTING OF THE RADIO FIRE ALARM REPORTING BOX (RFAR). THE HANFORD FIRE DEPT. WILL RECEIVE TROUBLES VIA RFAR.		
DISCLAIMER <p style="font-size: 0.9em;">This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.</p>		
		8. RELEASE STAMP <div style="border: 1px solid black; padding: 10px; text-align: center;"> OFFICIAL RELEASE BY WHC DATE NOV 17 1994 <i>SEA 4</i> </div> <div style="text-align: right; margin-top: 10px; font-weight: bold; font-size: 1.5em;">MASTER</div>

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JP

TEST TITLE RFAR FOR BUILDINGS ATP
703, RFAR 8010,
712, RFAR 8020
747, RFAR 8030
748 RFAR 8040
1163 RFAR 7010

LOCATION _____

WORK ORDER _____

PROJECT TITLE _____

EXECUTION AND TEST APPROVAL

EXECUTED BY

_____ Test Director/Organization	_____ Date	_____ Test Operator/Organization	_____ Date
_____ Recorder/Organization	_____ Date		

WITNESSES

_____ Witness/Organization	_____ Date	_____ Witness/Organization	_____ Date
_____ Witness/Organization	_____ Date	_____ Witness/Organization	_____ Date

TEST APPROVAL AND ACCEPTANCE

Westinghouse Hanford Company

Without exceptions _____	With exceptions resolved _____	With exceptions outstanding _____
--------------------------	--------------------------------	-----------------------------------

_____ (Title or Department)	_____ Date	_____ (Title or Department)	_____ Date
_____ (Title or Department)	_____ Date	_____ (Title or Department)	_____ Date

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NOTE: At completion of test, enter pages added during performance of test to this Table of Contents.

1 PURPOSE

This Acceptance Test Procedure (ATP) has been prepared to demonstrate that the Fire Protection system functions as required by project criteria.

2 REFERENCES

2.1 Drawings

2.2 Specifications N/A

2.3 Engineering Change Notices (ECN)

3 CHANGE CONTROL

Required changes to this ATP must be processed on ECNs in accordance with company procedures. If a need for change is discovered in the course of running the test, the test shall be stopped until the ECN is approved. However, this does not prevent the running of another portion of the test unaffected by the change.

4 PREREQUISITES AND EQUIPMENT REQUIRED

4.1 Prerequisites

The following conditions shall exist at the start of the testing for that portion of the system being tested.

- _____ 4.1.1 Systems have been inspected for compliance with construction documents.
- _____ 4.1.2 Reference documents have been verified for correct revision number and outstanding ECNs.
- _____ 4.1.3 The RFAR panel has been verified operational and placed in service.
- _____ 4.1.4 Power is available.
- _____ 4.1.5 Test instruments have a valid calibration stamp attached.

4.2 Equipment and Instruments
Supplied by the Test Operator unless otherwise noted.

4.2.1 Portable Volt-ohmmeters (VOM): Range 0 - 50 volts DC and 0 - 1 megohm.

Instrument No. _____ Expiration Date _____

4.2.2 Portable Ammeter: Range 0 - 10 amperes.

Instrument No. _____ Expiration Date _____

4.3 Abbreviations

ECN - Engineering Change Notice

FACP - Fire Alarm Control Panel

RFAR - Radio Fire Alarm Reporting Box

5 FIRE ALARM SYSTEM TEST

This ATP will test the RFAR/FACP supervisory interface.

5.1 Preparation

- _____ 5.1.1 Verify prerequisites of Subsection 4.1 have been met.
- _____ 5.1.2 Request the Hanford Fire Department dispatcher bypass all signals from the RFAR and acknowledge all supervisory signals received.
- _____ 5.1.3 Install RFAR door tamper switch override device
- 5.1.4 Announce to personnel in building that a fire alarm test is in progress; evacuation is not required.

5.2 Power Transfer: This test will verify automatic transfer to battery upon ac power interruption and restoration upon return to normal.

- _____ 5.2.1 At power supply panel, open RFAR supply breaker to interrupt ac power to RFAR.
- _____ 5.2.3 Verify "Comm Trbl RFAR" message received by dispatcher.
- _____ 5.2.4 Reset RFAR.
- _____ 5.2.5 Close breaker to restore ac power to RFAR.
- _____ 5.2.6 Verify RFAR ac power LEDs come ON.
- _____ 5.2.7 Reset RFAR.

5.4 Supervisory Test: TROUBLE ONLY This test will verify the initiation device capability of the supervisory interface.

- 5.4.1 Record the following steps for each RFAR shown on Data Sheet 5.4.1.
 - 5.4.1.1 Activate FACP trouble signal by bypassing bells.
 - 5.4.1.2 Verify FACP system trouble LED is ON.
 - 5.4.1.3 Verify RFAR local trouble is sent and appropriate message received by dispatcher.
 - 5.4.1.4 Reset the trouble condition with FACP
 - 5.4.1.5 Reset FACP and RFAR and verify FACP/RFAR clear of trouble signals.

DATA SHEET 5.4.1						
STEP	PERFORM/VERIFY	BUILDING				
		703	712	747	748	1163
5.4.1.1	Activate trouble signal					
5.4.1.2	Facp trouble LED is on					
5.4.1.3	RFAR local panel trouble message received					
5.4.1.4	Reset the trouble condition with FACP					
5.4.1.5	Reset FACP and RFAR					

* NOTE N/A IS NEEDED TO BE IN ALL BLANKS FOR BUILDING NOT BEING TESTED.

5.7 Secure From Test:

- _____ 5.7.1 Verify all detection devices have been reset and are in NORMAL condition.
- _____ 5.7.2 Verify FACP is in NORMAL condition and secured.
- _____ 5.7.3 Remove RFAR door tamper switch override device
- _____ 5.7.4 Request Hanford Fire Department to restore all zones on the RFAR.
- _____ 5.7.4 Verify RFAR is in NORMAL condition and secured.
- _____ 5.7.5 Advise the dispatcher that testing is complete.
- _____ 5.7.6 Announce to building personnel that testing is complete.

END OF TEST