1791

FORM 3.4-1
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
UE&C TEST GROUP
SALEM NUCLEAR GENERATING STATION
UNIT NO. 2
DETAIL TEST PROCEDURE
(For Detail Procedures Based Upon General Procedures)
APPROVAL RECORD

PROCEDURE TITLE Auxiliary Feedwater 2100/2125 PSIG Hydro

PROCEDURE NUMBER 10 H 8 P&I

REFERENCE GENERAL PROCEDURE GTP 4

APPROVAL

Prepared By
UE&C Test Engineer _____ Date: 8-17-78

Approved By
UE&C Lead Test Engineer _____ Date: 17 August 78

Approved By
PSE&G Startup Engineer _____ Date: 8/23/78

PERFORMANCE REVIEW AND ACCEPTANCE

UE&C Test Engineer _____ Date: 9/5/78

UE&C Lead Test Engineer _____ Date: 9 Sept 78

PSE&G Startup Engineer _____ Date: 9/27/78

Rev. 0A

810013

G2

1792

FORM 3.4-4
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
UE&C TEST GROUP
SALEM NUCLEAR GENERATING STATION
UNIT NO. 2
DETAIL TEST PROCEDURE REVISION FORM
(For Detail Procedures Based Upon General Procedures)

PROCEDURE TITLE: AUXILIARY FEEDWATER HYDRO
PROCEDURE NUMBER: 10 HB Rd
REVISION NUMBER: R1
REVISION REQUIRED: SHEET 3 of 4 DELETE VALVES 23 AF 87, 23 AF 88 AND 23 AF 131

REASON FOR REVISION: FLOW NOZZLE, F-1093, ASSEMBLY SPOOL 2AF-63 HAS BEEN REMOVED PER DR 676. THESE VALVES WERE ATTACHED TO THIS ASSEMBLY.

REVISION APPROVAL

UE&C TEST ENGINEER [signature] DATE: 8-24-78
UE&C LEAD TEST ENGINEER [signature] DATE: 8/24/78
PSE&G STARTUP ENGINEER [signature] DATE: 8/24/78

Rev. 0A

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ORM GTP-4.1R2 FIELD PRESSURE TEST REPORT SHEET 1 of 4

DTP NO. 10H8RO

SYSTEM Auxiliary Feedwater SET NOs. 10 M 2

PIPING SCHED. NO. & GROUP 1554 NUCLEAR CLASS III SAFETY RELATED YES

FIELD PRESSURE TEST DIAGRAM/DATA SHEET 228336 A 1305 ⚠1 244977D4489 SHT 28

REF. DRAWINGS

BOUNDARY DESCRIPTION (VALVE LINEUP ATTACHED) FROM 21-24 AF20 VALVES TO 21-24 AF23 VALVES IN THE PENETRATION AREAS

NOTE: TOE NIPPLES TO BE TESTED DURING THE HYDRO IN ACCORDANCE WITH SGS/M-FO-015

TEST PARAMETERS

TYPE OF TEST HYDROSTATIC TEST MEDIUM/QUALITY WATER GRADE B

TEST PRESS. (PSIG) MIN/MAX 2100/2125 MIN. TEST TEMP (°F) 60°F MIN. TEST DURATION 30 MIN

TEST INSTRUMENTATION/EQUIPMENT

RELIEF VALVE SETTING (PSIG)	TEST PRESS. GAGE RANGE/ID NO.	CALIB. DATE
~~2330 PSIG~~ 2330 PSIG OOP	5000 PSIG / PD 124 OOP	8-8-78

TEST DATA

PRESSURE	TIME/DATE	
2120	2115/8-25-78 (1)	HYDRO PRESSURE ACHIEVED
2120	2145/8-25-78 (2)	TIME (1) PLUS THE MINIMUM TEST DURATION
2115	2315/8-25-78 (3)	END OF INSPECTION
	(4)	SURFACE METAL TEMP. (°F) 89°F

REMARKS TEST TO BE COMPLETED IN ACCORDANCE WITH PRESSURE TEST DIAGRAM 228 336 A 1305-1 (See NOTE 2 FOR SPECIFIC INSTRUCTIONS.)

Mechanical leaks listed - See attached Report OOP 9-5-78

TEST WITNESSED BY

UE&C TEST ENGINEER O J Perkins DATE 8-25-78

PSE&G TEST ENGINEER (PSE&G OPTION) [signature] DATE 8-25-78

QC VERIFICATION (WHEN REQUIRED) O H Ayers DATE 8/25/78

AUTHORIZED INSPECTOR (WHEN REQUIRED) DATE

SYSTEM LAYED UP IN ACCORDANCE WITH SECTION 5.7 O J Perkins DATE 8/25/78

SYSTEM NORMALIZED IN ACCORDANCE WITH SECTION 5.8 O J Perkins DATE 8/25/78

FIELD COPY

SHEET 2 OF 4

DATE 8-12-78

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FORM 3.4-2

VALVE LINEUP SHEET

PROCEDURE NO. 1018 R0

VALVE NO.	POSITION	VERIFIED BY	VALVE NO.	POSITION	VERIFIED BY
21 AF 20	X		22 AF 21	O	
21 AF 115	3		22 AF 116	O *	
21 AF 21	O		22 AF 22	O	
21 AF 116	O *		22 AF 86	O	
21 AF 22	O		22 AF 126	O *	
21 AF 117	O *		22 AF 11	O	
21 AF 86	O		22 AF 10	X	
21 AF 126	O *		22 AF 117	O *	
21 AF 11	O		22 AF 122	O *	
21 AF 10	X		22 AF 123	O *	
21 AF 87	X		22 AF 125	O *	
21 AF 88	X		22 AF 87	X	
21 AF 119	O *		22 AF 88	X	
21 AF 124	O *		22 AF 124	O *	
21 AF 23	X		22 AF 119	O *	
22 AF 20	X		22 AF 23	X	
22 AF 115	3		22 AF 118	O *	

NOTES:

O - OPEN

X - SHUT

T - THROTTLED

1) Cage Installed
2) Blank Installed
3) Test Equipment Installed
4) Energized
5) Denergized, Fails
6) Downstream Open Ended.
7) Valve Internals Removed, TCA installed - Position refers to valve on TCA.
8) Valve Internals Removed or Spoolpiece Installed.

* DOWNSTREAM TOE: NIPPLE CAPPED

FIELD COPY

SHEET 3 OF 4

DATE 8-12-78

FORM 3.4-2

VALVE LINEUP SHEET

PROCEDURE NO. 10HBRO

1795

VALVE NO.	POSITION	VERIFIED BY	VALVE NO.	POSITION	VERIFIED BY
23AF20	X		24AF115	3	
23AF115	3		24AF21	O	
23AF21	O		24AF116	O *	
23AF116	O *		24AF22	O	
23AF22	O		24AF117	O *	
23AF117	O *		24AF86	O	
23AF86	O		24AF126	O *	
23AF126	O *	*	24AF11	O	*
23AF11	O		24AF10	X	
23AF10	X		24AF118	O *	
23AF118	O *		24AF123	O *	
~~23AF87~~	~~X~~		24AF122	O *	
~~23AF88~~	~~X~~		24AF87	X	
23AF119	O *		24AF88	X	
~~23AF131~~	~~O *~~		24AF129	O *	
23AF23	X		24AF119	O *	
24AF20	X		24AF23	X	

NOTES:

O - OPEN

X - SHUT

T - THROTTLED

1) Cage Installed
2) Blank Installed
3) Test Equipment Installed
4) Energized
5) Denergized, Fails
6) Downstream Open Ended.
7) Valve Internals Removed, TCA installed - Position refers to valve on TCA.
8) Valve Internals Removed or Spoolpiece installed.

* DOWNSTREAM T.O.C. NIPPLE CAPPED

FIELD COPY

SHEET 4 OF 4

DATE 8-12-78

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FORM 3.4-2

VALVE LINEUP SHEET

PROCEDURE NO. _____

VALVE NO.	POSITION	VERIFIED BY	VALVE NO.	POSITION	VERIFIED BY
22 NF 139	O	DP			
				O	

NOTES:

O - OPEN

S - SHUT

T - THROTTLED

1) Cago Installed
2) Blank Installed
3) Togt Equipment Installed
4) Energized
5) Donergized, Fails
6) Downstream Open Ended.
7) Valve Internals Removed, TCA installed - Position refers to valve on TCA.
8) Valve Internals Removed or Spoolpiece installed.

* Down Stream T.O.G. Nipple Capped

FIELD COPY

CAMP [illegible] FILE IDENTIFICATION FORM

179

PSEG

The Energy People

DIVISION: QA

FILE CODE SEQUENCE NUMBER: 10-H-8 REV1

(3) Reel # QA-

Beg. Frame #

(1) Date 780921 (2) Type/ID FILE

(4) Sender -M-QA

(5) Addressee -M-QA

(6a) System File Code (6b) F400 (6c)

(7a) Content Descriptors TEST PROCS

(7b) HYDRO-TESTS

(7c)

(7d)

(7e)

(8a) PO #1

(8b) REQ #/or other

(8c) Reference 10-H-8

(9) Auth/Job/Sta SALEM 2

(10) Free Description FIELD TEST PROCEDURES

AUXILIARY FEEDWATER 2100/2125 PSIG HYDRO

(11) Due Date/Close out (12) Closeout DCC ID

A.	B.	C.	D.	E.	F.	G.
6/10/79	6-29-79					