

FORM 3.4-1
 PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 UEAC 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 B PBI

REFERENCE GENERAL PROCEDURE GTP 4

APPROVAL

Prepared By
UEAC Test Engineer

[Signature] Date: 8-17-78

Approved By
UEAC Lead Test Engineer

[Signature] Date: 17 August 78

Approved By
PSEAC Startup Engineer

[Signature] Date: 8/23/78

PERFORMANCE REVIEW AND ACCEPTANCE

UEAC Test Engineer

[Signature] Date: 9/5/78

UEAC Lead Test Engineer

[Signature] Date: 9/17/78

PSEAC Startup Engineer

[Signature] Date: 9/27/78

FORM 3.6-6
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 2 AF 103 HAS BEEN REMOVED PER
DR 6576. THESE VALVES WERE ATTACHED TO THIS
ASSEMBLY.

REVISION APPROVAL

UE&C TEST ENGINEER
UE&C LEAD TEST ENGINEER
PSE&C STARTUP ENGINEER

[Signature] DATE: 8-24-78
[Signature] DATE: Sept 7
[Signature] DATE: 9/24/78

DTP NO. 10H8 RO

SYSTEM Auxiliary Feedwater SET NOS. 10 M 2

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

FIELD PRESSURE TEST DIAGRAM/DATA SHEET 228336 A 1305 A 244977D4489 III 28

REF. DRAWINGS

BOUNDARY DESCRIPTION (VALVE LINEUP ATTACHED) FROM 21-24 AF 20 VALVES TO 21-24 AF 23 VALVES IN THE PENETRATION AREAS

NOTE: TOG NIPPLES TO BE TESTED DURING THE HYDRO
IN ACCORDANCE WITH 565/11-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° MIN. TEST DURATION 30 MIN

TEST INSTRUMENTATION/EQUIPMENT

RELIEF VALVE SETTING (PSIG) 2330 PSIG OR TEST PRESS. GAGE RANGE/ID NO 5000 PSIG / PD 124 000 CALIB. DATE 8-8-78

TEST DATA

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

REMARKS Test to be completed in accordance with

Pressure Test Diagram, 228 336 A 1305-1 (See

NOTE 2 FOR SPECIFIC INSTRUCTIONS.)

Mechanical leaks included - See attached Report 1-3-78

TEST WITNESSED BY

USE&C TEST ENGINEER [Signature] DATE 8-25-78

PSE&C TEST ENGINEER (PSE&C OPTION) [Signature] DATE 8-25-78

QC VERIFICATION (WHEN REQUIRED) [Signature] DATE 8/25/78

AUTHORIZED INSPECTOR (WHEN REQUIRED) _____ DATE _____

SYSTEM LAYED UP IN ACCORDANCE WITH SECTION 5.7 [Signature] DATE 8/25/78

SYSTEM NORMALIZED IN ACCORDANCE WITH SECTION 5.8 [Signature] DATE 8/25/78

FORM 3.4-2

VALVE LINEUP SHEET

PROCEDURE NO. 1018 RO

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

NOTES:

O - OPEN

X - SHUT

T - THROTTLED

- 1) Cage Installed
- 2) Blank Installed
- 3) Test Equipment Installed
- 4) Energized
- 5) Deenergized, 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.E. NIPPLE CAPPED

FIELD COPY

FORM 3.4-2
VALVE LINEUP SHEET
 PROCEDURE NO. 101820

1795

VALVE NO.	POSITION	VERIFIED BY	VALVE NO.	POSITION	VERIFIED BY
23AF 20	X	[Signature]	24AF 115	3	[Signature]
23AF 115	3	[Signature]	24AF 21	0	[Signature]
23AF 21	0	[Signature]	24AF 116	0 *	[Signature]
23AF 116	0 *	[Signature]	24AF 22	0	[Signature]
23AF 22	0	[Signature]	24AF 117	0 *	[Signature]
23AF 117	0 *	[Signature]	24AF 86	0	[Signature]
23AF 86	0	[Signature]	24AF 126	0 *	[Signature]
23AF 126	0 *	[Signature]	24AF 11	0 *	[Signature]
23AF 11	0	[Signature]	24AF 10	X	[Signature]
23AF 10	X	[Signature]	24AF 118	0 *	[Signature]
23AF 118	0 *	[Signature]	24AF 123	0 *	[Signature]
23AF 87	X	△	24AF 122	0 *	[Signature]
23AF 88	X	△	24AF 87	X	[Signature]
23AF 119	0 *	[Signature]	24AF 88	X	[Signature]
23AF 131	0 *	△	24AF 129	0 *	[Signature]
23AF 23	X	[Signature]	24AF 119	0 *	[Signature]
24AF 20	X	[Signature]	24AF 23	X	[Signature]

NOTES:

O - OPEN

X - SHUT

T - THROTTLED

- 1) Gage Installed
- 2) Blank Installed
- 3) Test Equipment Installed
- 4) Energized
- 5) Deenergized, 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.E. NIPPLES CAPPED

FIELD COPY

FORM 3.4-2
VALVE LINEUP SHEET
PROCEDURE NO. _____

VALVE NO.	POSITION	VERIFIED BY	VALVE NO.	POSITION	VERIFIED BY
24F139	O				

- NOTES:
- 1) Gage Installed
 - 2) Blank Installed
 - 3) Test Equipment Installed
 - 4) Energized
 - 5) Deenergized, 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



PSEG

The Energy People

DIVISION:
QA

FILE CODE SEQUENCE NUMBER:
10-H-8 REVI

③ Reel # QA-
 Seg. Frame #

① Date 7.18.09.21 ② Type/ID FILE

④ Sender M-QA

⑤ Addressee M-QA

⑥a System File Code F400 ⑥c

⑦a Content Descriptors TEST PROCES
HYDRQ-TESTS

⑦b

⑦c

⑦d

⑦e

⑧a PO #1

⑧b PO #/or other

⑧c Reference 10-H-8

⑨ Auth/Job/Sta SALEM 2

⑩ Free Description FIELD TEST PROCEDURES
AUXILIARY FEEDWATER 2100/2125 PSIG HYDRQ

⑪ Due Date/Close out ⑫ Closeout FCC ID

A. <u>6/14/77</u>	B. <u>6/28/77</u>	C.	D.	E.	F.	G.
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