

TJN:lhd

RDFL

3/31/81

Alden

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 and 3

SURVEILLANCE TEST

ST 10.4 - RELIEF VALVE MANUAL ACTUATION

TECHNICAL SPECIFICATION: 4.6.D, 3.7.A.1, 4.7.A.2

Test Frequency:

Once per operating cycle.

Test Results:

A. All of the asterisked and ISI Letter I steps were completed SATISFACTORILY.

PERFORMED BY: _____
SIGNATURE TIME/DATE

PERFORMED BY: _____
SIGNATURE (CONTROL ROOM OPERATOR) TIME/DATE

SIGNATURE (SHIFT SUPERVISION) TIME/DATE

B. One or more of the asterisked or ISI Letter I steps was completed UNSATISFACTORILY.
Refer to Tech Spec 3.5.E, 4.5.E.2, 3.6.D.

MRF _____

SIGNATURE

SIGNATURE (SHIFT SUPERVISION) TIME/DATE

IMMEDIATELY NOTIFY PLANT SUPERINTENDENT OR ALTERNATE.

NAME OF PERSON NOTIFIED TIME/DATE

SIGNATURE (SHIFT SUPERINTENDENT OR SUPERVISOR)

Additional action required if other portions of test did not function properly or other discrepancies were noted during test.

- 1. MRF submitted: MRF _____
- 2. Other: _____

SIGNATURE DATE

REVIEWED BY: _____
PLANT STAFF SUPERVISION DATE

8107070451

Purpose:

The operability of the eleven relief valves will be tested by manually actuating each valve, separately, from the control room.

References:

1. Automatic Blowdown System - M-1-S-52
2. E-26
3. GEK 9684 Vol. II
4. FSAR: 4.4; 6.5.3.2; 7.4.3.2

Prerequisites:

1. Request permission from shift supervision to begin test. _____
2. Verify that reactor pressure is \geq 100 psig. _____
3. Verify that the reactor water level is normal - between +18" and +27" above instrument zero. _____
4. Check that the torus level is between 14.5' and 14.9' on LR-8027 (9027) _____
5. Check that the torus temperature is $<$ 95° F. _____
6. Check that R.H.R. is operable for torus cooling. _____
7. Check that H.P.C.I. or R.C.I.C. is available for reactor water level make-up if necessary. _____

Precautions:

BECAUSE THE REACTOR IS PRESSURIZED AND STEAM WILL BE RELEASED TO THE TORUS, THERE ARE FOUR CONTROL ROOM INDICATORS THAT MUST BE MONITORED THROUGHOUT THE ENTIRE TEST. PRIOR TO OPENING EACH VALVE AND DURING THE TIME THAT EACH VALVE IS OPEN, THE FOLLOWING LEVELS, TEMPERATURE, AND PRESSURE MUST BE MAINTAINED.

FUNCTION	INDICATOR NO.	DESIRED CONDITION
Reactor Pressure	PR 2-06-096 (C05A)	\geq 100 psig.
Reactor Level	LI 2-02-3-91A (C03) or LI-3-6-94A/B/C	+18" to +27"
Torus Level	LR 8027 (9027) (C03)	14.5' to 14.9'
Torus Temperature	TI 2445 (C03)	$<$ 95° F.

PROCEDURE:

HALT THIS TEST IF ANY STEP CANNOT BE PERFORMED SATISFACTORILY OR IF ONE OF THE CONDITIONS LISTED IN THE "PRECAUTIONS" SECTION CANNOT BE MAINTAINED. NOTIFY SHIFT SUPERVISION IMMEDIATELY.

1. Place torus cooling in service in accordance with operating procedure S.3.2.C.3.
2. Observe and record the running RHR pump suction temperature in Table 1 every five minutes until the heat addition is terminated.

TABLE 1

SUPPRESSION POOL TEMPERATURE
(log every five minutes during heat addition)

TIME	RHR PUMP SUCTION TEMP	TIME	RHR PUMP SUCTION TEMP	TIME	RHR PUMP SUCTION TEMP	TIME	RHR PUMP SUCTION TEMP

3. GENERATOR NOT ON LINE: (Increase power until 2½ to 3 bypass valves open. This is at a reactor pressure of about 170 psig). Adjust the EHC pressure regulator until 2½ to 3 turbine bypass valves are open. In this operating configuration verification that 2 ± ¼ bypass valves close as each relief valve is tested must be made and that they re-open after each valve test.

GENERATOR ON LINE: In this operating configuration verification must be made that a load drop of 70 ± 10 MWe occurs as each relief valve is tested and that load recovers following each valve test.

NOTE: In order to satisfy the acceptance criteria in either of the above operating configurations it is necessary to hold the relief valve open long enough for the steam flow to stabilize (about one minute).

4. Complete Table 2 for each relief valve that is tested.

NOTE: Check marks are acceptable in columns so indicated.

5. Place TR-103 back into its normal scanning sequence. _____
6. Inform shift supervision of the results of this test and complete the TEST RESULTS section on the cover sheet. _____