

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-311
 Unit Name Salem # 2
 Date Nov. 10, 1984
 Telephone 609-935-6000
 Extension 4455

Completed by J. P. Ronafalvy

Month October 1984

Day Average Daily Power Level
(MWe-NET)

Day Average Daily Power Level
(MWe-NET)

1	<u>966</u>
2	<u>1105</u>
3	<u>1102</u>
4	<u>588</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

Pg. 8,1-7 R1

8411210326 841031
 PDR ADOCK 05000311
 R PDR

IE24
 11

OPERATING DATA REPORT

Docket No. 50-311
 Date Nov. 10, 1984
 Telephone 935-6000
 Extension 4455

Completed by J. P. Ronafalvy

Operating Status

1. Unit Name	<u>Salem No. 2</u>	<u>Notes</u>
2. Reporting Period	<u>October 1984</u>	
3. Licensed Thermal Power (MWt)	<u>3411</u>	
4. Nameplate Rating (Gross MWe)	<u>1162</u>	
5. Design Electrical Rating (Net MWe)	<u>1115</u>	
6. Maximum Dependable Capacity (Gross MWe)	<u>1149</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>1106</u>	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason	<u>N/A</u>	

9. Power Level to Which Restricted, if any (Net MWe) N/A

10. Reasons for Restrictions, if any N/A

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>745</u>	<u>7320</u>	<u>26761</u>
12. No. of Hrs. Reactor was Critical	<u>81.2</u>	<u>3386.0</u>	<u>15094.6</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>1442.9</u>	<u>3533.6</u>
14. Hours Generator On-Line	<u>81.2</u>	<u>3194.8</u>	<u>14612.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>276166</u>	<u>10255964</u>	<u>43727036</u>
17. Gross Elec. Energy Generated (MWH)	<u>94330</u>	<u>3409360</u>	<u>14277650</u>
18. Net Elec. Energy Generated (MWH)	<u>84749</u>	<u>3206994</u>	<u>13524242</u>
19. Unit Service Factor	<u>10.9</u>	<u>43.6</u>	<u>54.6</u>
20. Unit Availability Factor	<u>10.9</u>	<u>43.6</u>	<u>54.6</u>
21. Unit Capacity Factor (using MDC Net)	<u>10.3</u>	<u>39.6</u>	<u>45.7</u>
22. Unit Capacity Factor (using DER Net)	<u>10.2</u>	<u>39.3</u>	<u>45.3</u>
23. Unit Forced Outage Rate	<u>89.1</u>	<u>56.4</u>	<u>36.9</u>
24. Shutdowns scheduled over next 6 months (type, date and duration of each)	<u>N/A</u>		

25. If shutdown at end of Report Period, Estimated Date of Startup:

4-85

26. Units in Test Status (Prior to Commercial Operation):

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	<u>6/30/80</u>	<u>8/2/80</u>
Initial Electricity	<u>9/1/80</u>	<u>6/3/81</u>
Commercial Operation	<u>9/24/80</u>	<u>10/13/81</u>

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
 REPORT MONTH October 1984

Docket No. 50-311
 Unit Name Salem No.2
 Date Nov. 10, 1984
 Telephone 609-935-6000
 Extension 4455

Completed by J.P. Ronafalvy

No.	Date	Type 1	Duration Hours	Reason 2	Method of Shutting Down Reactor	License Event Report	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
84-300	10-04	F	663.7	A	3	-	HA	GENERA	Stator Windings

1
 F: Forced
 S: Scheduled

2 Reason
 A-Equipment Failure-explain
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & Licensing Exam
 F-Administrative
 G-Operational Error-explain
 H-Other-explain

3 Method
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation of
 Previous Outage
 5-Load Reduction
 9-Other

4 Exhibit G
 Instructions
 for Prepara-
 tion of Data
 Entry Sheets
 for Licensee
 Event Report
 (LER) File
 (NUREG 0161)

5 Exhibit 1
 Salem as
 Source

MAJOR PLANT MODIFICATIONS
REPORT MONTH OCTOBER 1984

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: November 10, 1984
COMPLETED BY: J. Ronafalvy
TELEPHONE: 609/935-6000 X4455

<u>*DCR NO.</u>	<u>PRINCIPLE SYSTEM</u>	<u>SUBJECT</u>
2SC-1332	Chilled Water	Install an additional suction gauge no greater than 40 PSI for 21 and 22 Chilled Water Pumps.

* Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH OCTOBER 1984

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: November 10, 1984
COMPLETED BY: J. Ronafalvy
TELEPHONE: 609/339-4455

DCR NO.	10CFR 50.59	SAFETY EVALUATION
---------	-------------	-------------------

2SC-1332 This change takes into account the ASME Section XI recommendations for the gauges to be no more than four (4) times the reference value. No unreviewed safety or environmental questions are involved.

* Design Change Request

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO DEPT UNIT EQUIPMENT IDENTIFICATION

942842 SIC COMMON R45'S

FAILURE DESCRIPTION: CHANNEL INDICATORS FAIL; PRINTERS INDICATE TRANSIENT ERRORS

CORRECTIVE ACTION: RE-ENTERED FILE PARAMETERS FOR UNIT 1; REPLACED LIMIT SWITCH AND Q8 ON CSM PL BOARD 2R45B

0099128268
SIC 2 AIRLOCK SEAL FLOW INDICATOR (100' EL.)

FAILURE DESCRIPTION: IMPROPER FUNCTION DURING SURVEILLANCE TESTING

CORRECTIVE ACTION: IMPROPER PLACEMENT OF BLOCKING TAG (CORRECTED)

0099098776
SIC 2 N-44

FAILURE DESCRIPTION: N-44 SPIKES PERIODICALLY

CORRECTIVE ACTION: REPLACED GAIN POT. AND RESET DRAWER

009908397-3
SIC 2 EXCORE POWER RANGE CHANNELS

FAILURE DESCRIPTION: DELTA I CALIBRATION REQUIRED

CORRECTIVE ACTION: REPLACED MODULE 2QM CAPACITORS

0099099187
SIC 2 CHANNEL 2R12B

FAILURE DESCRIPTION: NO INDICATION IN CONTROL ROOM

CORRECTIVE ACTION: LOCAL CONTROLLER SEAT RING ADJUSTED REPLACED THUMBWHEEL

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

009902081

SIC 2 NO. 22 LOOP Tave INDICATOR

FAILURE DESCRIPTION: ERRATIC READINGS

CORRECTIVE ACTION: REPLACED AMP BOARD AND MOTOR MOVEMENT AND
RECALIBRATED

0099024713

SIC 2 2R12B

FAILURE DESCRIPTION: CHANNEL APPEARS FAILED

CORRECTIVE ACTION: NEW PINS INSTALLED; SETPOINTS ADJUSTED

0099099217

SIC 2 OVERPOWER RECORDER CHANNEL N-43

FAILURE DESCRIPTION: CHANNEL CONTINUALLY FAILS AT 120% POWER

CORRECTIVE ACTION: REPLACED SERVO ASSEMBLY AND RECALIBRATED

84-08-24-001-3

SMD 2 NO. 23 CHARGING PUMP

FAILURE DESCRIPTION: CONSTANT OVERFLOW FROM THE SEAL WATER TANK

CORRECTIVE ACTION: REPACKED #3 CYLINDER

84-09-28-061-2

SMD 2 23 ACCUMULATOR PRESSURE ALARM

FAILURE DESCRIPTION: ALARM IS SOUNDING WITH SATISFACTORY PRESSURE

CORRECTIVE ACTION: REPLACED CARAST 2 IN RACK 111 AND 112

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

0099100002

SIC

2

22 S/G PRESSURE CHANNEL II

FAILURE DESCRIPTION: READING LOWER THAN OTHER CHANNELS

CORRECTIVE ACTION: RECALIBRATED PRESSURE INDICATORS FOR CHANNELS 1, 2, AND 3

84-09-14-021-7

SIC

2

21 S/G STEAM FLOW CHANNEL I

FAILURE DESCRIPTION: SPIKE OCCURS SOMETIMES CAUSING THE FEED REG. VALVE TO GO FULL OPEN

CORRECTIVE ACTION: REPLACED RELAY FX512A

84-09-13-021-1

SIC

2

24 LOOP Tave

FAILURE DESCRIPTION: READING LOW

CORRECTIVE ACTION: REPLACED RELAY TX412AB IN RACK 126

84-09-12-079-1

SIC

2

#22 FAN COIL LEAK DETECTOR

FAILURE DESCRIPTION: 2LC731A/B OUT OF SPEC.

CORRECTIVE ACTION: REPLACED C2 AND C3; PERFORMED 2IC-2.10.169

84-05-30-592-1

SIC

2

NIS N-42

FAILURE DESCRIPTION: CONTROL ROOM INDICATION 6% > IR'S

CORRECTIVE ACTION: REPLACED PCB; INDICATOR RECALIBRATED

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

84-09-29-027-8

SMD

2

26 SERVICE WATER PUMP PIPING

FAILURE DESCRIPTION: PIPE ELBOW HAS A LEAK

CORRECTIVE ACTION: REPLACED SPOOL PIECE

009900264-7

SMD

2

21 COMPONENT COOLING PUMP

FAILURE DESCRIPTION: OUTBOARD SEAL LEAKING

CORRECTIVE ACTION: REBUILT OUTBOARD SEAL

0099100614

SMD

2

21 COMPONENT COOLING PUMP

FAILURE DESCRIPTION: INBOARD BEARING LEAKS OUT

CORRECTIVE ACTION: REPLACED OUTBOARD BEARING

0099099616

SMD

2

#11 SERVICE WATER PUMP STRAINER

FAILURE DESCRIPTION: PACKING LEAK

CORRECTIVE ACTION: REPACKED AND REPLACED PACKING GLAND

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT NO. 2
OCTOBER 1984

Unit No. 2 began the period operating at full power. It remained at full power until 10/04/84 when, at 0915 hours, the Unit tripped as a result of generator differential relay protection actuation. Mode 5 was entered on 10/05/84 at 1100 hours. Investigations to determine the extent of damage to the Generator were conducted. A high potential test was performed indicating distress in the Phase C windings in addition to the failed coil behind the header box in the Phase A winding. Due to the extent of damage to the Generator, it has been decided to replace the generator with the General Electric Generator originally intended for Hope Creek Unit 2. This decision will result in an expected return to service for No. 2 Unit on April 1, 1985. The Unit will be refueled during this outage. Sixty-eight (68) new fuel assemblies will arrive on site by 11/29/84. The Component Cooling Water System has been dechromated and released for inspections and work. An outage on "C" Vital Bus is in progress. The Reactor Coolant System has been depressurized. As a result of MSR inspections, work similar to that performed during the last Unit 1 outage will be required. The No. 22 Service Water Header outage was commenced. On 10/23/84, the Annual Emergency Exercise was conducted testing the emergency preparedness capabilities of PSE&G and outside agencies.

REFUELING INFORMATION

COMPLETED BY: J. Ronafalvy DOCKET NO.: 50-311
 UNIT NAME: Salem 2
 DATE: November 10, 1984
 TELEPHONE: 609/935-6000
 EXTENSION: 4455

Month October 1984

1. Refueling information has changed from last month:
 YES X NO _____
2. Scheduled date for next refueling: October 4, 1984
3. Scheduled date for restart following refueling: April 1, 1985
4. A) Will Technical Specification changes or other license amendments be required?
 YES X * NO _____
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
 YES _____ NO X *
 If no, when is it scheduled? December 1984
5. Scheduled date(s) for submitting proposed licensing action:
December 1984 (if additional submittal is required) *
6. Important licensing considerations associated with refueling:
NONE
7. Number of Fuel Assemblies:

A)	Incore	<u>193</u>
B)	In Spent Fuel Storage	<u>72</u>
8. Present licensed spent fuel storage capacity: 1170
 Future spent fuel storage capacity: 1170
9. Date of last refueling that can be discharged to spent fuel pool assuming the present licensed capacity: March 2004

8-1-7.R4

* A request for Technical Specification change that is required for Salem 2 Cycle 3 operation was transmitted to the NRC in our letter dated 10/15/84. The actual reload analysis for Cycle 3 is in progress and if further Technical Specification changes are required, they will be submitted in December 1984.



Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

November 10, 1984

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

MONTHLY OPERATING REPORT
SALEM NO. 2
DOCKET NO. 50-311

In Compliance with Section 6.9, Reporting Requirements for the Salem Technical Specifications, 10 copies of the following monthly operating reports for the month of October 1984 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Major Plant Modification
Safety Related Work Orders
Operating Summary
Refueling Information

Sincerely yours,

J. M. Zupko, Jr.
General Manager - Salem Operations

JR:sbh

cc: Dr. Thomas E. Murley
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19406

Director, Office of Management
Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Enclosure
8-1-7.R4

ZE2A
11

The Energy People