

AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

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

Month February 1984

Day Average Daily Power Level
 (MWe-NET)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</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>

Day Average Daily Power Level
 (MWe-NET)

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> </u>
31	<u> </u>

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OPERATING DATA REPORT

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

Completed by L. K. Miller

Operating Status

- | | | |
|--|---------------|-------|
| 1. Unit Name | Salem No. 2 | Notes |
| 2. Reporting Period | February 1984 | |
| 3. Licensed Thermal Power (MWt) | 3411 | |
| 4. Nameplate Rating (Gross MWe) | 1162 | |
| 5. Design Electrical Rating (Net MWe) | 1115 | |
| 6. Maximum Dependable Capacity (Gross MWe) | 1149 | |
| 7. Maximum Dependable Capacity (Net MWe) | 1106 | |
| 8. If Changes Occur in Capacity Ratings (Items 3 through 7) since Last Report, Give Reason | N/A | |
| 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 | 696 | 1440 | 20906 |
| 12. No. of Hrs. Reactor was Critical | 18.7 | 18.7 | 11727.2 |
| 13. Reactor Reserve Shutdown Hrs. | 677.4 | 1421.4 | 2768 |
| 14. Hours Generator On-Line | 0 | 0 | 11417.3 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 4879 | 4879 | 33475951 |
| 17. Gross Elec. Energy Generated (MWH) | 0 | 0 | 10868290 |
| 18. Net Elec. Energy Generated (MWH) | (13922) | (18698) | 10298550 |
| 19. Unit Service Factor | 0 | 0 | 54.6 |
| 20. Unit Availability Factor | 0 | 0 | 54.6 |
| 21. Unit Capacity Factor (using MDC Net) | 0 | 0 | 44.5 |
| 22. Unit Capacity Factor (using DER Net) | 0 | 0 | 44.2 |
| 23. Unit Forced Outage Rate | 100 | 100 | 34.0 |
| 24. Shutdowns scheduled over next 6 months (type, date and duration of each) | N/A | | |
| 25. If shutdown at end of Report Period, Estimated Date of Startup: | N/A | | |
| 26. Units in Test Status (Prior to Commercial Operation): | | | |

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

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH February 1984

Docket No. 50-3
Unit Name Salem No.2
Date March 10, 1984
Telephone 609-935-6000
Extension 4455

Completed by L.K. Miller

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 Stator Core Iron Generator
84-010	01-01	F	696	A	4	-	HA	GENERA	

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 FEBRUARY 1984

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: MARCH 10, 1984
COMPLETED BY: L. K. MILLER
TELEPHONE: (609) 339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0807	Containment Purge	Add support to control air lines (tubing) supply to isolation valves 2VC1 and 2VC5.
2EC-1283	Fuel Handling Building Ventilation	This change adds a diode across the coils of solenoid valves SV-779 and SV-780.
2EC-1547	Electrical	Connect directly to the station ground the housing of 25kV isolated phase bus.
2SC-0364	Condensate	Modify 23A Circulator Water Pump Motor to allow filling of oil reservoirs.

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1984

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: March 10, 1984
COMPLETED BY: L.K. Miller
TELEPHONE: 609/339-4455

DCR NO.	10CFR 50.59	SAFETY EVALUATION
2EC-0807	This change is safety related and affects safety related equipment. No unreviewed safety or environmental questions are involved.	
2EC-1283	This change only for the original design to function as intended by preventing reverse flow through the solenoid coils. No unreviewed safety or environmental questions are involved.	
2EC-1547	Implementation of this DCR will not create any new safety hazards. No unreviewed safety or environmental questions are involved.	
2SC-0364	Implementation of this DCR will affect the operation of the motors and does not involve any change to the FSAR or Technical Specifications. No unreviewed safety or environmental questions are involved.	

*DCR - Design Change Request

SALEM UNIT 2
OPERATIONS SUMMARY REPORT
FEBRUARY 1984

Unit No. 2 began the month in cold shutdown as reassembly of the generator continued. Major items accomplished during the month included: installation of the generator exciter; assembly of the blower housing; performance of a bearing oil flush; and alignment checks of the generator couplings and bearings. Additionally, all hydrogen seal housing bolts and Bellville washers were replaced. Other work during this period included reassembly of No. 23 Containment Fan Coil Unit, and replacement of No. 21 Containment Sump Pump. Unit No. 2 entered Mode 3 on February 4, however, the discovery of leaking Safety Injection System check valves caused the unit to be cooled down on February 7. An oil seal leak was discovered on the turbine thrust bearing and required disassembly and refurbishment of the bearing parts. Following the replacement of the four SJ143 check valves and inspection of the four SJ56 check valves, the unit was returned to Mode 3 on February 17, at 1737 hours. Later, at 1757 hours, an Unusual Event was declared when Steam Generator Safety Valve 22MS14 prematurely lifted and would not reseal until pressure was decreased. A lift check was performed on all steam generator safety valves prior to cooling down on February 19, to investigate and repair leakage past Steam Generator Safety Valves 22MS11, 22MS13, and 22MS14. The valves were repaired and a unit heatup was commenced on February 21, 1984. A reactor startup was performed, with criticality being achieved on February 24, at the completion of generator reassembly. Post maintenance non-synchronized operational testing started the same day. The reactor was then taken subcritical and steam generator safety valve lift checks were performed. During the pre-synchronization test period, it was determined that a hydrogen leak into the stator water cooling system existed. Investigation revealed the stator water nipple for Coil B11, turbine end, was leaking. The nipple was replaced, rebrazed, and tested satisfactorily.

REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO.: 50-311UNIT NAME: Salem 2DATE: March 10, 1984TELEPHONE: 609/935-6000EXTENSION: 4455Month February 1984

1. Refueling information has changed from last month:
YES _____ NO X
2. Scheduled date for next refueling: January 5, 1985
3. Scheduled date for restart following refueling: March 17, 1985
4. A) Will Technical Specification changes or other license amendments be required?
YES _____ NO _____
NOT DETERMINED TO DATE 3/1/84
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
YES _____ NO X
If no, when is it scheduled? November 1984
5. Scheduled date(s) for submitting proposed licensing action:
December 1984 (if required)
6. Important licensing considerations associated with refueling:
NONE
7. Number of Fuel Assemblies:
A) Incore 193
B) In Spent Fuel Storage 72
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 2000

8-1-7.R4



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

Salem Generating Station

March 10, 1984

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

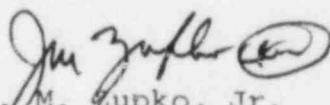
Dear Sir:

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 February 1984 are being sent to you.

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

Sincerely yours,


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

LKM: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

Enclosures
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