



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

Salem Generating Station

January 12, 1990

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

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

In compliance with Section 6.9.1.6, Reporting Requirements for the Salem Technical Specifications, the original copy of the monthly operating reports for the month of December 1989 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Safety Related Maintenance
Major Plant Modifications
Operating Summary
Refueling Information

Sincerely yours,

L. K. Miller
General Manager -
Salem Operations

RH:pc

cc: Mr. William T. Russell
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19046

Enclosures

8-1-7.R4

The Energy People

900-230125 891231
PDR ADOCK 05000311
R FDC

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-311
 Unit Name Salem # 2
 Date 01-10-90
 Telephone 609-935-6000
 Extension 4722

Completed by Art Orticelle

Month DECEMBER 1989

Day Average Daily Power Level
(MWe-NET)

Day Average Daily Power Level
(MWe-NET)

1 1097
 2 1095
 3 1105
 4 1102
 5 1104
 6 1110
 7 1116
 8 1108
 9 1108
 10 1102
 11 1094
 12 1114
 13 1110
 14 1063
 15 1106
 16 1111

17 1078
 18 1109
 19 1110
 20 1107
 21 1115
 22 1115
 23 1072
 24 1106
 25 1111
 26 1111
 27 1100
 28 1121
 29 1100
 30 1110
 31 1109

OPERATING DATA REPORT

Docket No. 50-311
 Date 01-10-90
 Telephone 935-6000
 Extension 4722

Completed by Art Orticelle

Operating Status

| | | |
|--|---------------|-------|
| 1. Unit Name | Salem No. 2 | Notes |
| 2. Reporting Period | December 1989 | |
| 3. Licensed Thermal Power (MWt) | 3411 | |
| 4. Nameplate Rating (Gross MWe) | 1170 | |
| 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

| | This Month | Year to Date | Cumulative |
|--|------------|--------------|------------|
| 11. Hours in Reporting Period | 744 | 8760 | 72049 |
| 12. No. of Hrs. Reactor was Critical | 744 | 7650 | 46005.8 |
| 13. Reactor Reserve Shutdown Hrs. | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 744 | 7422.6 | 44545.2 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 2524596 | 24386642.4 | 89051739.4 |
| 17. Gross Elec. Energy Generated (MWH) | 875080 | 8162752 | 46047052 |
| 18. Net Elec. Energy Generated (MWH) | 842227 | 7824601 | 43799906 |
| 19. Unit Service Factor | 100 | 84.7 | 61.8 |
| 20. Unit Availability Factor | 100 | 84.7 | 61.8 |
| 21. Unit Capacity Factor (using MDC Net) | 100 | 80.8 | 54.9 |
| 22. Unit Capacity Factor (using DER Net) | 100 | 80.1 | 54.5 |
| 23. Unit Forced Outage Rate | 0 | 9.7 | 26.0 |
| 24. Shutdowns scheduled over next 6 months (type, date and duration of each) | | | |

REFUELING OUTAGE 3-31-90 SCHEDULED TO LAST 45 DAYS

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

N/A

SAFETY RELATED MAINTENANCE
MONTH: - DECEMBER 1989

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: JANUARY 10, 1990
COMPLETED BY: P. WHITE
TELEPHONE: (609) 339-4455

| WO NO | UNIT | EQUIPMENT IDENTIFICATION |
|-----------|------|---|
| 680401326 | 2 | 2CA301-2 - EMERGENCY COMPRESSOR INLET FAILURE DESCRIPTION: REBUILD VALVE ACTUATOR |
| 880421201 | 2 | VHT2808 - AF STORAGE TANK LEVEL FAILURE DESCRIPTION: #2 AUX. FEED STORAGE TANK LEVEL HEAT TRACE CHECK |
| 890926084 | 2 | 2LI529 - 22 S/G LEVEL INDICATION FAILURE DESCRIPTION: 22 S/G LEVEL CONTROLLING HIGH/ TROUBLESHOOT |
| 891229078 | 2 | 2RA10153 - 2R41A FAILURE DESCRIPTION: NO COMMUNICATION BETWEEN LOCAL & REMOTE/ TROUBLESHOOT |
| 910122006 | 2 | 22SW57 - 22 CFCU SW INLET FAILURE DESCRIPTION: 22 CFCU SW INLET VALVE/ CALIBRATE POSITIONER |

MAJOR PLANT MODIFICATIONS
MONTH: - DECEMBER 1989

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: JANUARY 10, 1990
COMPLETED BY: P. WHITE
TELEPHONE: (609) 339-4455

| *DCR | PRINCIPAL SYSTEM | DESCRIPTION |
|-----------|------------------|---|
| 2SC-01608 | RHR Controls | This design change relocated RHR Room Cooler damper controls to provide separation as per Appendix R requirements. |
| 2SM-00228 | Aux. Feedwater | This design change installed an overspeed test device and new cover on the woodward governor on 23 Aux. Feedwater Pump. |

* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
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*DCR

SAFETY EVALUATION 10 CFR 50.59

2SC-01608

This design change relocated RHR Room Cooler damper controls to provide separation as per Appendix R requirements. There was no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

2SM-00228

This design change installed an overspeed test device and new cover on the woodward governor on 23 Aux. Feedwater Pump. This allows testing of the overspeed trip mechanism on the Terry Turbine. There was no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

* DCR - Design Change Request

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT 2
DECEMBER 1989

SALEM UNIT NO. 2

The Unit began the period operating at full power and, with the exception of several minor load reductions for turbine valve testing, continued to operate at full power throughout the entire period.

SAFETY RELATED MAINTENANCE
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TELEPHONE: (609) 339-4455

MONTH DECEMBER 1989

1. Refueling information has changed from last month:

YES _____ NO x

2. Scheduled date for next refueling: March 31, 1990

3. Scheduled date for restart following refueling: May 24, 1990

4. a) Will Technical Specification changes or other license amendments be required?:

YES _____ NO _____

NOT DETERMINED TO DATE x

b) Has the reload fuel design been reviewed by the Station Operating Review Committee?:

YES _____ NO x

If no, when is it scheduled?: February 1990

5. Scheduled date(s) for submitting proposed licensing action:
January 1990

6. Important licensing considerations associated with refueling:

7. Number of Fuel Assemblies:

| | |
|--------------------------|------------|
| a. Incore | <u>193</u> |
| b. In Spent Fuel Storage | <u>224</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 the spent fuel pool assuming the present licensed capacity:

March 2003