AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-311
Unit Name Salem # 2
Date March 10,1985
Telephone 609-935-6000
Extension 4455

Completed by J. P. Ronafalvy

Month February 1985

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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1/1

OPERATING DATA REPORT

Docket No. 50-311
Date March 10,1985
Telephone 935-6000
Extension 4455

Completed by J. P. Ronafalvy

Operating Status

1. Unit Name	Salem No. 2	Notes
2. Reporting Period	February 1985	
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	672	1416	29641
12. No. of Hrs. Reactor was Critical	0	0	15094.6
13. Reactor Reserve Shutdown Hrs.	0	0	3533.6
14. Hours Generator On-Line	0	0	14612.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	43727036
17. Gross Elec. Energy Generated (MWH)	0	0	14277650
18. Net Elec. Energy Generated (MWH)	(2130)	(4549)	13513287
19. Unit Service Factor	0	0	49.3
20. Unit Availability Factor	0	0	49.3
21. Unit Capacity Factor (using MDC Net)	0	0	41.2
22. Unit Capacity Factor (using DER Net)	0	0	40.9
23. Unit Forced Outage Rate	100	100	39.9

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:
4-1-85

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

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

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH February 1985

Completed by J.P. Ronafalvy

Docket No. 50-311
Unit Name Salem No.2
Date March 10,1985
Telephone 609-935-6000
Extension 4455

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
85-012	1-14	F	672	A	4	-	HA	GENERA	Stator Windings Terminals Bushing

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 Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

5 Exhibit 1 Salem as Source

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1985

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: March 3, 1985
COMPLETED BY: J. Ronafalvy
TELEPHONE: 609/935-6000 X4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2ET-1071	Moisture Separator Reheater	Monitor the temperature and pressure of the second reheater of the MSR No. 21E, 21W and 23W.
2EC-1307	4KV System	Modify the acknowledgement circuit for the tripping alarm 74/T.
2EC-1465	TGA West Wall Panels	Remove wall panels between Columns 18 and 24 and replace with removable steel facing.
2SC-0314	Service Water	Modify service water pump motors to allow filling of oil reservoirs. (#24 Service Water Pump only)
2SC-1102	Ventilation for Counting Room	Install permanent ventilation ducting to allow for control of the air conditioning air flow in the Counting Room.
2EC-1963	Service Water	Position No. 24 Service Water Motor (Allis Chalmers) has failed and is being replaced with a spare (GE) motor.

* Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1985

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: March 10, 1985
COMPLETED BY: J. Ronafalvy
TELEPHONE: 609/339-4455

DCR NO.	10CFR 50.59	SAFETY EVALUATION
2ET-1071		Operating conditions for all MSR's covered by this test will not be changed. No unreviewed safety or environmental questions are involved.
2EC-1307		This DCR installs seismically qualified relays. This relay is similar to numerous other relays used for which all failure modes have been evaluated and found adequate. No unreviewed safety or environmental questions are involved.
2EC-1465		The installation of supporting structural steel and metal wall panels will not affect any safety related system or building. The supporting structural steel and metal panels are designed to withstand transient dynamic loads of wind and earthquake. No unreviewed safety or environmental questions are involved.
2SC-0314		This change in the upper bearing oil fill piping will not affect the operation of the motor. This will not involve any change to the FSAR or Tech. Specs. No unreviewed safety or environmental questions are involved.
2SC-1102		This DCR better distributes airflow to assure the temp-sensitive sampling equipment within the Counting Room can function within their temp. tolerance range. No unreviewed safety or environmental questions are involved.
2EC-1963		This DCR replaces the No. 2 Service Water Pump Motor. The replacement motor is of similar design. 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
0099156199	SIC	2	2B DIESEL GENERATOR
			FAILURE DESCRIPTION: NO RPM INDICATION ON CONTROL PANEL
			CORRECTIVE ACTION: INSTALLED NEW SWITCH TACH.
0099121077	SMD	2	2B DIESEL TURBO AIR VALVE 1
			FAILURE DESCRIPTION: IMPROPER OPERATION
			CORRECTIVE ACTION: REPLACED SOLENOID VALVE
0099157510	SMD	2	21 BAT PUMP
			FAILURE DESCRIPTION: PUMP SEAL IS BLOWN
			CORRECTIVE ACTION: REPLACED SEAL
85-01-24-013-3	SMD	2	ELECTRICAL PENETRATION #2-3
			FAILURE DESCRIPTION: LEAK
			CORRECTIVE ACTION: REPLACED BUSHINGS; RETAPED LEADS
0099161851	SMD	2	VALVE #22CV157
			FAILURE DESCRIPTION: VALVE LEAKS AT BONNET
			CORRECTIVE ACTION: REPLACED DIAPHRAGM

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
0099161869	SMD	2	VALVE NO. 21CV157
			FAILURE DESCRIPTION: VALVE LEAKS FROM DIAPHRAGM
			CORRECTIVE ACTION: REPLACED GASKET AND BONNET
84-12-08033-5	SMD	2	VALVE #22SW304
			FAILURE DESCRIPTION: LEAK AT WELD
			CORRECTIVE ACTION: INSTALLED NEW NIPPLE WITH A NEW FLANGE
85-02-21-059-9	SMD	2	#23 SW PUMP
			FAILURE DESCRIPTION: STRAINER RUNS CONSTANTLY WITH THE PUMP OUT OF SERVICE
			CORRECTIVE ACTION: INSTALLED NEW PRESSURE CONTROLLER
85-01-31-059-0	SIC	2	2R11A
			FAILURE DESCRIPTION: CHANNEL SPIKING
			CORRECTIVE ACTION: INSTALLED SN189
84-12-20-101-9	SMD	2	2SJ135 LIMITORQUE MOTOR
			FAILURE DESCRIPTION: VALVE WOULD NOT STROKE FROM CONSOLE
			CORRECTIVE ACTION: REPLACED MOTOR AND OVERLOADS

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
85-01-10-028-5	SMD	2	2B VITAL BUS
			FAILURE DESCRIPTION: DEFECTIVE TRANSFER RELAY
			CORRECTIVE ACTION: REPLACED RELAY
0099156784	SMD	2	VALVE #21CA545
			FAILURE DESCRIPTION: VALVE BONNET BROKEN
			CORRECTIVE ACTION: REBUILT VALVE
0099128390	SMD	2	#23 CC PUMP SEALS
			FAILURE DESCRIPTION: SEALS LEAK
			CORRECTIVE ACTION: REPLACED MECHANICAL SEAL
0099127458	SMD	2	#23 CHARGING PUMP
			FAILURE DESCRIPTION: SEAL LEAKAGE
			CORRECTIVE ACTION: REPLACED SEAL ON PUMP HP SPEED PINION SHAFT
009902973	SMD	2	VALVE #21SJ33
			FAILURE DESCRIPTION: INTERNAL BANGING WHEN OPENING
			CORRECTIVE ACTION: REPLACED VALVE STEM AND REPACKED VALVE

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
85-01-26-015-1	SMD	2	22 BORIC ACID PUMP
			FAILURE DESCRIPTION: SEAL LEAKAGE
			CORRECTIVE ACTION: MACHINED GASKET SURFACE
0099156261	SMD	2	22 BSD 4KV BREAKER
			FAILURE DESCRIPTION: BREAKER WILL NOT RACK DOWN FULLY
			CORRECTIVE ACTION: REPAIRED INTERLOCK
0099118076	SMD	2	22 AUX. FEED PUMP BREAKER
			FAILURE DESCRIPTION: FINGER CONTACTS ARE BENT AND THE BREAKER WON'T RACK
			CORRECTIVE ACTION: REPLACED BENT CONTACTS
0991229-4	SIC	2	FHB RADIATION MONITOR
			FAILURE DESCRIPTION: RESPONSE TO SIGNAL OUT OF TOLERANCE
			CORRECTIVE ACTION: REPLACED FC PROM.
0099104229	SIC	2	2R2
			FAILURE DESCRIPTION: HI ALARM
			CORRECTIVE ACTION: INSTALLED NEW DETECTOR

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
948269	OD	2	2C EMERGENCY DIESEL GENERATOR
			FAILURE DESCRIPTION: FREQUENCY METER FAILED
			CORRECTIVE ACTION: REPLACED AMPLIFIER BOARD; TIGHTENED LOOSE CONNECTOR ON TRANSDUCER BOARD

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT NO. 2
FEBRUARY 1985

SALEM UNIT NO. 2

The period began with the second refueling/turbine outage in progress. Mode 5 was entered on 2/2/85 at 2200 with the completion of tensioning the Reactor Vessel Head bolts. Main Generator replacement work continues. Turbine work is continuing. Electrical and mechanical modifications are continuing for adaptation of the General Electric Generator. The Main Generator rotor and Nos. 21 and 23 LP Rotors have been set in place. Installation of all LP Turbines and LP Turbine inner and outer covers have been completed. Turbine alignment was completed. Main Generator alignment is in progress. Cavity decontamination work was initiated and completed. The bearings have been replaced on both ends of No. 21 Steam Generator Feedwater Pump. Replacement of the Conoseals has been completed. The Reactor Vessel Missile Shield has been installed. The lube oil coolers have been replaced on Nos. 21 & 22 Charging Pumps and Nos. 21 & 22 Safety Injection Pumps. No. 22 Service Water Header outage was initiated and has been completed. The CVCS System flush and Charging/Safety Injection Full Flow Test was completed. Reactor Coolant System fill and vent is in progress. Phase A Containment Isolation Test has been completed. Phase B Containment Isolation Test is in progress. The replacement of "C" Battery was completed. Containment cleanup in preparation of Mode 4 operation is continuing. MSR work continues. To date, all internal welds have been repaired, the chevrons have been replaced and baffling has been installed. Remaining work on the MSR's consists of discharge strainer installation. The Boric Acid filter was replaced in support of the station on-going ALARA efforts. Type C leak rate testing of Containment Isolation valves was completed. A total of one hundred and seventeen (117) valves were tested. The Unit No. 2 Outage remains on schedule.

REFUELING INFORMATION

DOCKET NO.: 50-311
COMPLETED BY: J. Ronafalvy
UNIT NAME: Salem 2
DATE: March 10, 1985
TELEPHONE: 609/935-6000
EXTENSION: 4455

Month February 1985

1. Refueling information has changed from last month:
   YES X NO ____

2. Scheduled date for next refueling: September 6, 1986

3. Scheduled date for restart following refueling: November 30, 1986

4. A) Will Technical Specification changes or other license amendments be required?
   YES ____ NO ____

   Not determined to date ____

   B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
   YES ____ NO X
   If no, when is it scheduled? August 1986

5. Scheduled date(s) for submitting proposed licensing action:
   August 1986 if required

6. Important licensing considerations associated with refueling:
   NONE

7. Number of Fuel Assemblies:
   A) Incore 193
   B) In Spent Fuel Storage 140

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 2003

8-1-7.R4

PSEG

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

Salem Generating Station

March 10, 1985

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 1985 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

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