

AVERAGE DAILY UNIT POWER LEVEL

Completed by J. P. Ronafalvy

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

Month February 1985

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>0</u>
31	<u>0</u>

Pg. 8, 1-7 R1

8503190755 850228
 PDR ALOCK 05000311
 R PDR

IE 24
 111

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		
	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
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

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH February 1985

Docket No. 50-311
Unit Name Salem No.2
Date March 10, 1985
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
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 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 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

SALEM UNIT 2

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

00991229-4

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

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



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

IE24
1/1