

OPERATING DATA REPORT

Docket No. 50-311  
 Date Feb. 10, 1983  
 Telephone 935-6000  
 Extension 4455

Completed by L. K. Miller

Operating Status

- |  |                     |              |
|--|---------------------|--------------|
| 1. Unit Name   | <u>Salem No. 2</u>  | <u>Notes</u> |
| 2. Reporting Period  | <u>January 1983</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>_____</u>        |              |

9. Power Level to Which Restricted, if any (Net MWe) None

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>744</u>	<u>744</u>	<u>11450</u>
12. No. of Hrs. Reactor was Critical	<u>470.3</u>	<u>470.3</u>	<u>10925.9</u>
13. Reactor Reserve Shutdown Hrs.	<u>3.3</u>	<u>3.3</u>	<u>38.9</u>
14. Hours Generator On-Line	<u>459.4</u>	<u>459.4</u>	<u>10796.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1109383.2</u>	<u>1109383.2</u>	<u>31625932.2</u>
17. Gross Elec. Energy Generated (MWH)	<u>257340</u>	<u>257340</u>	<u>10273590</u>
18. Net Elec. Energy Generated (MWH)	<u>236825</u>	<u>236825</u>	<u>9810472</u>
19. Unit Service Factor	<u>61.7</u>	<u>61.7</u>	<u>94.3</u>
20. Unit Availability Factor	<u>61.7</u>	<u>61.7</u>	<u>94.3</u>
21. Unit Capacity Factor (using MDC Net)	<u>28.8</u>	<u>28.8</u>	<u>77.5</u>
22. Unit Capacity Factor (using DER Net)	<u>28.5</u>	<u>28.5</u>	<u>76.8</u>
23. Unit Forced Outage Rate	<u>8.6</u>	<u>8.6</u>	<u>3.5</u>
24. Shutdowns scheduled over next 6 months (type, date and duration of each)	<u>_____</u>		

Refueling Outage, January 22, 1983, 18 weeks

25. If shutdown at end of Report Period, Estimated Date of Startup:  
May 9, 1983

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>9/24/81</u>	<u>10/31/81</u>

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-311  
 Unit Name Salem # 2  
 Date Feb. 10, 1983  
 Telephone 609-935-6000  
 Extension 4455

Completed by L. K. Miller

Month January 1983

Day Average Daily Power Level  
(MWe-NET)

Day Average Daily Power Level  
(MWe-NET)

1	<u>628</u>	16	<u>496</u>
2	<u>587</u>	17	<u>548</u>
3	<u>588</u>	18	<u>486</u>
4	<u>257</u>	19	<u>518</u>
5	<u>64</u>	20	<u>492</u>
6	<u>312</u>	21	<u>437</u>
7	<u>279</u>	22	<u>0</u>
8	<u>442</u>	23	<u>0</u>
9	<u>536</u>	24	<u>0</u>
10	<u>569</u>	25	<u>0</u>
11	<u>534</u>	26	<u>0</u>
12	<u>565</u>	27	<u>0</u>
13	<u>525</u>	28	<u>0</u>
14	<u>542</u>	29	<u>0</u>
15	<u>525</u>	30	<u>0</u>
		31	<u>0</u>

Docket No. 50-311  
 Unit Name Salem # 2  
 Rept. Month Feb. 1983  
 Page 2

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
83-044	1/17	S	110.4	C	5	---	RC	Vessel	Core Coastdown Nuclear
83-046	1/21	S	241.6	B	5	---	HA	General	Generator Major Overhaul (Gen'l Items)
83-046	1/21	S	241.6	B	5	---	" "	Turbine	Major Turbine Overhaul General Overhaul Items
83-046	1/21	S	241.6	B	5	---	HC	HT EXCH	Misc. Major Condensor Overhaul
83-046	1/21	S	241.6	C	5	---	CA	FuelXX	Nuclear Normal Refueling

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 I  
 Salem as  
 Source

UNIT SHUTDOWN AND POWER REDUCTIONS  
REPORT MONTH January 1983

Docket No. 50-311  
Unit Name Salem No.2  
Date Feb. 10, 1983  
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
83-010	1/1	S	56.0	C	5	---	RC	Vessel	Core Coastdown Nuclear
83-012	1/1	F	502.4	A	5	---	HF	Filter	Traveling Screen/Trash Racks/Canal Screens
83-014	1/3	S	160.0	C	5	---	RC	Vessel	Core Coastdown Nuclear
83-016	1/4	F	19.7	A	3	---	HA	Turbine	Turbine Trip Devices Other Nuclear Reactor
83-018	1/5	F	4.5	A	3	---	CA	Vessel	Problems Miscellaneous
83-020	1/5	F	3.1	A	3	---	"	"	" "
83-022	1/5	F	2.5	A	3	---	"	"	" "
83-024	1/6	F	40.0	A	3	---	"	"	" "
83-026	1/6	F	13.4	A	3	---	"	"	" "
83-028	1/8	F	11.0	A	3	---	"	"	" "
83-030	1/8	F	21.0	A	3	---	"	"	" "
83-032	1/9	F	29.5	A	5	---	HF	Filter	Traveling Screen/Trash Racks/Canal Screens
83-034	1/10	S	160.0	C	5	---	RC	Vessel	Core Coastdown Nuclear
83-036	1/10	F	29.0	A	5	---	HF	Filter	Traveling Screen/Trash Racks/Canal Screens
83-038	1/12	F	2.3	A	5	---	"	"	" "
83-039	1/12	F	227.9	A	5	---	HC	HT EXCH	Condensor Tube Leaks, Inspection for Leaks
83-040	1/13	F	14.2	A	5	---	HF	Filter	Traveling Screen/Trash Racks/Canal Screens
83-042	1/13	F	3.7	A	5	---	HF	Filter	" "

SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 01/17/83  
PAGE 0001

WORK  
ORDER  
NUMBER

DEPT

EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

200009

M

VALVE, 23MS15

DESCRIPTION OF PROBLEM,

DURING WARMUP OF MAIN STEAM LINES, 23MS15  
SAFETY VALVE LIFTED AND FAILED TO RESEAT.  
R20706 IR R2-173 LFR 82-059

CORRECTIVE ACTION,

S/G PRESSURE WAS REDUCED TO R30 PSIG AND  
THE VALVE RESEATED. 23MS15 WAS GAGGED SHUT  
AND TRIP SETPOINTS REDUCED TO 45%.

916981

M

CONT FAN CONT UNIT, 25

DESCRIPTION OF PROBLEM,

LEAK ON PRIMARY COIL. R21121 IR R2-428  
LER R2-135

CORRECTIVE ACTION,

REPAIRED LEAKAGE WITH RELZONA. R21122

917794

M

PUMP, 21 CHILLER RECTRC

DESCRIPTION OF PROBLEM,

PUMP BEARING LEAKS BADLY. R21210

CORRECTIVE ACTION,

REPLACED BEARINGS, OIL AND MECHANICAL  
SEALS. R21215

917871

M

CONT FAN COIL UNIT, 23

DESCRIPTION OF PROBLEM,

SERVICE WATER LEAK TO CONTAINMENT FROM  
23 CONTAINMENT FAN COIL UNIT. R21124  
IR R2-429 LER R2-136

CORRECTIVE ACTION,

THE LEAKING COIL WAS BLANKED OFF.

921456

M

VALVE, 22CV159

REPORTED BY  
DEPARTMENT, WORK ORDER NO.

SALFEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 01/17/87  
PAGE 0002

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		DESCRIPTION OF PROBLEM,	VALVE APPEARS TO HAVE BLOWN DIAPHRAM.
		CORRECTIVE ACTION,	821027
945558	M	VALVE, 22SW356	REPLACED BONNET AND DIAPHRAM, 821128
		DESCRIPTION OF PROBLEM,	VALVE JAMS UP AFTER FIVE TURNS EITHER
		CORRECTIVE ACTION,	DIRECTION, 810630
988491	M	VALVE, 23MS171	REPLACED VALVE, 821123
		DESCRIPTION OF PROBLEM,	VALVE LEAKING THROUGH, 20508
		CORRECTIVE ACTION,	REPLACED PLUG AND STEM ASSY AND REPLACED
991079	M	VALVE, 23MS46	DIAPHRAM IN VALVE OPERATOR.
		DESCRIPTION OF PROBLEM,	REPLACE DISTORTED HANGER ARM, 821028
		CORRECTIVE ACTION,	TR 82-402
991878	M	VALVE, 22SW127	REPLACED HANGER ARM.
		DESCRIPTION OF PROBLEM,	VALVE BINDS MECHANICALLY, 820602
		CORRECTIVE ACTION,	TR 82-479
993203	M	CONT AIR LOCK EL 130	REPLACED CLAVITROL TUBE BUNDLE IN VALVE.

SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 01/17/83  
PAGE 0003

WORK  
ORDER  
NUMBER

DEPT

EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

DESCRIPTION OF PROBLEM,

INNER DOOR HAS EXCESSIVE SEAL LEAKAGE.  
R21121 IR R2-480 LFR 82-140

CORRECTIVE ACTION,

INNER DOOR SEAL WAS REPOSITIONED IN ITS  
RETAINING GROOVE. R21121

200010

P

S/G STEAM FLOW CH 2,21

DESCRIPTION OF PROBLEM,

CHANNEL HIGH TRIP SETPOINT EXCEEDS T/S  
LIMIT. R20720 IR-82-186 LER R2-066

CORRECTIVE ACTION,

CAPACITOR FAILURES IN CHANNEL MODULES  
ATTRIBUTED TO NATURAL DEGRADATION OF  
COMPONENTS. ALL CAPACITORS IN THE  
AFFECTED MODULES WERE REPLACED.

200012

P

RPC LOOP FLOW CH3,23

DESCRIPTION OF PROBLEM,

CHANNEL INDICATION ERRATA??TIC. R20724  
IR 82-194 LER R2-069

CORRECTIVE ACTION,

FAULTED FERRITE SLUG IN THE FLOW  
TRANSMITTER. REPLACED TRANSMITTER.

900545

P

ACCUMULATORS, 23 & 24

DESCRIPTION OF PROBLEM,

ACCUMULATOR LEVEL DETERMINED TO BE LESS  
THAN T/S REQUIRED. R20722 IR 82-189  
LER R2-060

CORRECTIVE ACTION,

A SIGHT GLASS LEVEL INDICATOR WAS  
INSTALLED WITH READINGS BEING TAKEN EVERY  
8 HRS. CHANNELS WILL BE CALIBRATED AT NEXT  
OUTAGE.

SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 01/17/83  
PAGE 0004

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
916825	P	RMS,2R12B	
		DESCRIPTION OF PROBLEM,	CHANNEL FAILED FOR SECOND TIME TODAY. SEE WO#916897. 821017
		CORRECTIVE ACTION,	RESET MONITOR AND CHECKED SETPOINTS SAT. 821018
916870	P	RMS,2R12B	
		DESCRIPTION OF PROBLEM,	CHANNEL IS FAILED.
		CORRECTIVE ACTION,	TRIED RESETTING MODULES, NO EFFECT. TURNED POWER SUPPLY SWITCH OFF THEN ON. RESTORED SETPOINTS. VERIFIED ALARM SAT.
916872	P	RMS,2R19B	
		DESCRIPTION OF PROBLEM,	SPKING HIGH CAUSING BLOWDOWN ISOLATION ON 22 S/G.
		CORRECTIVE ACTION,	RESET MONITOR. CHECKED SETPOINTS SAT. CAL CHECK SAT. IR 82-447
916897	P	RMS,2R12B	
		DESCRIPTION OF PROBLEM,	CHANNEL IN NO SCAN. 821017 IR 82-445
		CORRECTIVE ACTION,	LOCAL MONITOR ALL F'S. RESET AND VERIFIED OPERATION. 821017
917353	P	RMS,2R12B	
		DESCRIPTION OF PROBLEM,	CHANNEL IN NO SCAN. IR 82-448



SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 01/17/83  
PAGE 0005

WORK  
ORDER

NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		CORRECTIVE ACTION,	REPLACED BAD NESS5 TIMER AND BURNT OUT FALL LIGHT. TESTED SAT.
921306	P	RMS,2R12A	
		DESCRIPTION OF PROBLEM,	CHANNEL FAILED. R21107 IP R2-423 LER R2-133
		CORRECTIVE ACTION,	CLEANED AND RESEATED MODULES. ADJUSTED DISCRIMINATOR VOLTAGE. REPLACED THREE SHORTED BATTERIES IN REMOTE POWER SUPPLY. PERFORMED FUNCTIONAL SAT.
921387	P	RMS,2R12A	
		DESCRIPTION OF PROBLEM,	CHANNEL FAILED. R21107 IP R2-418 LER R2-133
		CORRECTIVE ACTION,	CHANNEL LOCKED UP. RESET. OPERATES SAT.
930699	P	VALVOP,239W65	
		DESCRIPTION OF PROBLEM,	SERVICE WATER FLOW THROUGH 23CFCH LOW. R21128
		CORRECTIVE ACTION,	FOUND VALVE 10% TO 15% CLOSED AND ACTUATOR/VALVE CONNECTING LINK BROKEN. REPLACED CONNECTING LINK. R21206

TOTAL LINES = 000106  
TOTAL A-RECS = 000021

LAST UPDATE  
R30114  
082347  
ENTER COMMANDS  
END OF RUN

@BRKPT PRINTS

SALEM UNIT 2  
OPERATIONS SUMMARY REPORT  
JANUARY 1983

Unit 2 continued to coast down from a power level of 62% at the first of the month.

There were five reactor trips during the month. The first trip occurred on January 4th due to low pressure in the auto-stop oil circuit during a maintenance activity on the turbine oil system. The second trip occurred from 56% power on January 5th during a surveillance test of the trip breakers. The turbine tripped on an erroneous signal from the Bypass Reactor Trip breaker.

The next two trips occurred due to steam generator Hi-Hi water level during the unit's return to service. The fifth trip occurred on January 6th due to steam generator Low-Low water level. The loss of power to the station air compressor resulted in loss of control air to the feedwater regulating valves. The valves going closed resulted in the Low-Low trip.

The Unit was taken out of service on January 21st at 2222 hrs. for an annual refueling outage.

REFUELING INFORMATION

Docket No. 50-311  
 Unit Name Salem #2  
 Date Feb. 10, 1983  
 Telephone 609-935-6000  
 Extension 4455

Completed by L. K. Miller

Month January 1983

1. Refueling information has changed from last month:

YES X NO \_\_\_\_\_

2. Scheduled date of next refueling: March 31, 1984

3. Scheduled date for restart following refueling: June 10, 1984

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 1984

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

March 1984 (if required)

6. Important licensing considerations associated with refueling:

NONE  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

7. Number of Fuel Assemblies:

A. Incore 193

B. In Spent Fuel Storage 0

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