AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
Unit Name Salem # 1
Date March 10,1987
Telephone 609-935-6000
Extension 4451

Completed by Pell White

Month February 1987

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	1084	17	1123
2	1078	18	1138
3	1108	19	1112
4	1116	20	1117
5	1113	21	1111
6	1121	22	1105
7	1123	23	1112
8	1097	24	1109
9	1110	25	1123
10	1114	26	1108
11	1114	27	1117
12	1169	28	1111
13	1062	29	
14	1114	30	
15	1102	31	
16	1095		

P. 8.1-7 R1

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1/1

OPERATING DATA REPORT

Docket No. 50-272
Date March 10,1987
Telephone 935-6000
Extension 4451

Completed by Pell White

Operating Status

1.	Unit Name	Salem No. 1	Notes
2.	Reporting Period	February 1987	
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) NA

10. Reasons for Restrictions, if any

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	672	1416	84745
12. No. of Hrs. Reactor was Critical	672	1416	52698.6
13. Reactor Reserve Shutdown Hrs.	0	0	0
14. Hours Generator On-Line	672	1416	50844.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2288311	4545470	157201516
17. Gross Elec. Energy Generated (MWH)	773370	1532910	52230910
18. Net Elec. Energy Generated (MWH)	746008	1476000	49660768
19. Unit Service Factor	100	100	60.0
20. Unit Availability Factor	100	100	60.0
21. Unit Capacity Factor (using MDC Net)	100.4	94.2	53.0
22. Unit Capacity Factor (using DER Net)	99.6	93.5	52.6
23. Unit Forced Outage Rate	0	0	26.0

24. Shutdowns scheduled over next 6 months (type, date and duration of each)

NA

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

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

	Forecast	Achieved
Initial Criticality	9/30/76	12/11/76
Initial Electricity	11/1/76	12/25/76
Commercial Operation	12/20/76	6/30/77

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH FEBRUARY 1987

Docket No. 50-272
Unit Name Salem No.1
Date March 10,1987
Telephone 609-935-6000
Extension 4451

Completed by Pell White

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
0074	02-02-87	F	4.0	B	LOAD REDUCTION	--	HC	HTEXCH	Condenser Tube & Water Box Claning

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 1987

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: March 12, 1987
COMPLETED BY: L. Miller
TELEPHONE: 609/339-4497

*DCR NO.	PRINCIPAL SYSTEM	SUBJECT
1EC-1475	Crane & Hoist	Implement a color coding (marking) and capacity marking of overhead lifting/handling systems/components.
1EC-1575	Hoists & Cranes	Derate Fuel Handling Crane capacity to 2,200 pounds (1.1 tons) by changing "nameplate/capacity plate" marking and adding appropriate notes to design, maintenance, and other documents.
1EC-1576	Hoists & Cranes	Drate "Overhead Load Handling System" capacity to 2,200 pounds (1.1 tons) or less by changing the "name/capacity plate" marking and adding appropriate notes to design, maintenance, operating, and other documents.

* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1987

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: March 12, 1987
COMPLETED BY: L. Miller
TELEPHONE: 609/339-4497

*DCR	SAFETY EVALUATION 10 CFR 50.59
1EC-1475	This DCR provides for the implementation of a color coding and capacity marking on all the cranes, hooks, slings, monorails, overhead hoists, mobile and hydraulic cranes and special lifting devices for Unit #1. This painting job will not create a new safety hazard to the plant, neither will affect the safe shutdown of the reactor. The implementation of this capacity marking is done to comply with the commitment made to the NRC and also with Section 5.1.1(4) of NUREG-0612. This DCR will not change the plant effluent releases and will not alter the existing environmental impact. Therefore, no unreviewed safety or environmental questions are involved.
1EC-1575	This DCR provides for the implementation of a color coding to derate the fuel handling crane from its present 10,000 pounds to 2,200 pounds lifting capacity, for Unit #1. This painting job will not create a new fire safety hazard to the plant, nor affect the safe shutdown of the reactor. Implementation of this lower capacity marking is done to comply with a commitment made to the NRC and withSection 5.1.1(4) of NUREG-0612. This DCR will not change the plant effluent releases and will not alter the existing environmental impact. Therefore, no unreviewed safety or environmental questions are involved.
1EC-1576	This DCR provides for the implementation of a color coding to derate the manipulator crane from its present 3,000 pounds to 2,200 pounds lifting capacity, for Unit #1. This painting job will not create a new fire safety hazard to the plant, nor affect the safe shutdown of the reactor. Implementation of this lower capacity marking is done to comply with a commitment made to the NRC and with Section 5.1.1(4) of NUREG-0612. This DCR will not change the plant effluent releases and will not alter the existing environmental impact. Therefore, no unreviewed safety or environmental questions are involved.

* Design Change Request

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION	
87021181436			
	1	15 CFCU SW FLOW	
		FAILURE DESCRIPTION:	THERE IS NO SERVICE WATER FLOW INDICATED ON THE CONTROL ROOM BEZEL. PLEASE INVESTIGATE AND REPAIR.
		CORRECTIVE ACTION:	FOUND LOW SIDE SENSING LINE PLUG. FIX SAME. VERIFY FLOW IN LOW AND HIGH SPEED.
8702180847			
	1	11 CFCU DISCHARGE FLOW CONTROL VALVE	
		FAILURE DESCRIPTION:	WHEN 11 CFCU IS IN HIGH SPEED, NO SW FLOW IS OBSERVED. WHEN IN LOW SPEED, SW FLOW IS SAT. SUSPECT 11SW65 VALVE IS CLOSING FULLY WHEN FCU IN HIGH SPEED. I&C PLEASE INVESTIGATE. WORK REQUEST #001707
		CORRECTIVE ACTION:	ADJUSTED BACK-PRESSURE CONTROLLER AND HIGH AND LOW FLOW SET POINTS TO OBTAIN PROPER READINGS IN CONTROL ROOM.
8702170205			
	1	VCT RELIEF VALVE	
		FAILURE DESCRIPTION:	VALVE DOES NOT OPEN WHEN CV243 IS OPENED EVEN THOUGH PRESSURE IS GREATER THAN 20#. PLEASE INVESTIGATE AND REPAIR.
		CORRECTIVE ACTION:	SET CONTROLLER SET POINT FOR 20 PSI. CONTROLLER INTEGRATED PROPERLY. VALVE 1CU244 OPERATED SAT. CONDUCT TEST AS PER M3M OPERATING SAT.

WO NO	UNIT	EQUIPMENT IDENTIFICATION	
0099187949			
	1	PLANT VENT STACK FLOW RECORDER	
		FAILURE DESCRIPTION:	RECORDER OUTPUT VALVE IS VARYING BETWEEN 0 & 97,000 SCFM, PLEASE REPAIR.
		CORRECTIVE ACTION:	FOUND SAMPLE LINE FROZEN, THAWED LINE, FLOW RETURNED TO NORMAL, INSULATED AND ADJUSTED HEAT TRACE.
0099187990			
	1	REACTOR TRIP BREAKER A CLOSED INDICATION	
		FAILURE DESCRIPTION:	THERE IS NO CLOSED INDICATION ON THE CONSOLE. PLEASE INVESTIGATE AND REPAIR.
		CORRECTIVE ACTION:	FOUND 28 V.P.C. BREAKER IN OFF POSITION. TURNED BREAKER ON AND RECEIVED INDICATION.
0099188015			
	1	PROTECTION CHANNEL II	
		FAILURE DESCRIPTION:	WHILE PERFORMING A FUNCTIONAL ON THE POWER RANGE CHANNEL, THE BISTABLE WAS TRIPPED AND ALL HIGH STEAM FLOW ALARMS CAME UP AND LOCKED IN. PLEASE INVESTIGATE AND REPAIR.
		CORRECTIVE ACTION:	FOUND DEFECTIVE COMPONATOR 1TC-42140 REPLACED WITH SN # GO-281. PERFORMED SECTIONS OF PROCEDURE 1IC-2.6.005 AND 1IC-2.2.005 TO VERIFY CALIBRATION OF LOOP.

WO NO	UNIT	EQUIPMENT IDENTIFICATION	
8701040294			
	1	15 SW PUMP	
		FAILURE DESCRIPTION:	15 SW PUMP FAILED 4.0.5-P DUE TO HIGH VIBRATION. POINT 1 VERTICAL WAS 12 MILS, POINT 1 HORIZONTAL WAS 6 MILS. PLEASE INVESTIGATE AND REPAIR.
		CORRECTIVE ACTION:	REBUILT PUMP AND INSTALLED NEW EXPANSION JOINT.
8702090872			
	1	15 SW PUMP MOTOR	
		FAILURE DESCRIPTION:	MOTOR VIBRATING 8.5 MILLS AT UPPER BEARING AND 7.5 MILS ON MOTOR FRAME. MOTOR WAS UNCOUPLED FROM PUMP WHEN READINGS WERE TAKEN.
		CORRECTIVE ACTION:	REPLACED #15 SW MOTOR. RAN MOTOR FOR 20 MINUTES BEFORE COUPLING, ALL SAT.
8702100011			
	1	16 SERVICE WATER PP STRAINER	
		FAILURE DESCRIPTION:	THE STRAINER SHEAR KEYS HAVE SHEARED RESULTING IN AN INOPERABLE STRAINER. THE T.S.A.S. IS A RESULTS OF THIS PROBLEM IN CONJUNCTION WITH 15 BEING C/T. PLEASE REPAIR.
		CORRECTIVE ACTION:	REPLACED SHEAR KEY AND LOWER SEAL PLATES R.P.T. REPACKED STRAINER.

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT NO. 1
FEBRUARY 1987

The Unit began the period operating at one hundred percent (100%) power, 1,156 MW gross until Monday, February 2, when power was reduced to 85% for a few hours to clean condensers. The unit ran at 100%, 1,155 KW gross for the remainder of the month except for a brief power reduction on Sunday, February 15, to perform a turbine valve surveillance test.

Number 11A Circulating Water Pump was out of service to install the temporary power feed from Hope Creek and was completed Friday, February 13, which completed the temporary power feed project.

On Thursday, February 19, Salem completed 1,000,000 man hours of work without a lost time accident.

REFUELING INFORMATION

COMPLETED BY: L.K. Miller

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: March 12, 1987
TELEPHONE: 609/935-6000
EXTENSION: 4497

Month February 1987

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

2. Scheduled date for next refueling: September 12, 1987

3. Scheduled date for restart following refueling: November 26, 1987

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? August 1987

5. Scheduled date(s) for submitting proposed licensing action:
   August 1987 if required

6. Important licensing considerations associated with refueling:
   NONE

7. Number of Fuel Assemblies:
   A) Incore 193
   B) In Spent Fuel Storage 380

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: September 2001

8-1-7.R4

PSEG

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

Salem Generating Station

March 12, 1987

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

Dear Sir:

MONTHLY OPERATING REPORT
SALEM NO. 1
DOCKET NO. 50-272

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 1987 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:sl
cc: Dr. Thomas E. Murley
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19406

Director, Office of Management
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Enclosures
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