

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
Unit Name Salem # 1
Date August 10, 1984
Telephone 609-935-6000
Extension 4455

Completed by L. K. Miller

Month July 1984

Day Average Daily Power Level
(MWe-NET)

Day Average Daily Power Level
(MWe-NET)

1 0
2 0
3 0
4 0
5 0
6 0
7 0
8 0
9 0
10 0
11 0
12 0
13 0
14 0
15 0
16 0

17 0
18 0
19 0
20 0
21 0
22 0
23 0
24 0
25 0
26 0
27 0
28 0
29 0
30 0
31 0

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OPERATING DATA REPORT

Docket No. 50-272
 Date August 10, 1984
 Telephone 935-6000
 Extension 4455

Completed by L. K. Miller

Operating Status

1. Unit Name	<u>Salem No. 1</u>	<u>Notes</u>
2. Reporting Period	<u>July 1984</u>	
3. Licensed Thermal Power (Mwt)	<u>3338</u>	
4. Nameplate Rating (Gross MWe)	<u>1135</u>	
5. Design Electrical Rating (Net MWe)	<u>1090</u>	
6. Maximum Dependable Capacity (Gross MWe)	<u>1124</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>1079</u>	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason	<u>N/A</u>	

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	<u>744</u>	<u>5111</u>	<u>62136</u>
12. No. of Hrs. Reactor was Critical	<u>0</u>	<u>1237.6</u>	<u>34388.8</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>54.5</u>	<u>3088.4</u>
14. Hours Generator On-Line	<u>0</u>	<u>1197.8</u>	<u>32975.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>3800023</u>	<u>99619394</u>
17. Gross Elec. Energy Generated (MWH)	<u>0</u>	<u>1281380</u>	<u>32896480</u>
18. Net Elec. Energy Generated (MWH)	<u>(3067)</u>	<u>1206065</u>	<u>31177377</u>
19. Unit Service Factor	<u>0</u>	<u>23.4</u>	<u>53.0</u>
20. Unit Availability Factor	<u>0</u>	<u>23.4</u>	<u>53.0</u>
21. Unit Capacity Factor (using MDC Net)	<u>0</u>	<u>21.9</u>	<u>46.4</u>
22. Unit Capacity Factor (using DER Net)	<u>0</u>	<u>21.6</u>	<u>46.0</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>56.6</u>	<u>30.7</u>
24. Shutdowns scheduled over next 6 months (type, date and duration of each)	<u>N/A</u>		

25. If shutdown at end of Report Period, Estimated Date of Startup:
8-22-84

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

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

UNIT SHUTDOWN AND POWER REDUCTIONS
 REPORT MONTH July 1984

Docket No. 50-272
 Unit Name Salem No.1
 Date August 10, 1984
 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
84-174	4-2	S	192	C	4	-	RC	FUELXX	Nuclear Normal Refueling
84-176	7-9	F	552	A	4	-	HA	GENERA	Generator Liquid Cooling System

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 July 1984

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: August 10, 1984
COMPLETED BY: L.K. Miller
TELEPHONE: 609/339-4455

<u>*DCR NO.</u>	<u>PRINCIPLE SYSTEM</u>	<u>SUBJECT</u>
1EC-1413	Reactor Coolant	Replace reactor coolant wide range RTD's with environmentally qualified elements.
1EC-1572	Hoists & Cranes -	Derate "Overhead Load Handling System" capacity to 2,200 lbs. (1.1 tons) or less by changing the "name/capacity plate" marking and adding appropriate notes to design, maintenance, operating and other documents. As appropriate adjust load limit devices.
1SC-1357	Containment Ventilation (#14 FCU)	Replace containment fan coil unit suction expansion joints with ones of improved design.

MAJOR PLANT MODIFICATIONS
REPORT MONTH JULY 1984

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: August 10, 1984
COMPLETED BY: L.K. Miller
TELEPHONE: 609/339-4455

*DCR NO. SAFETY EVALUATION 10 CFR 50.59

- 1EC-1413 Replacement of the reactor coolant wide range RTD's with more durable equipment will not be changing the function(s) of the RTD's. No unreviewed safety or environmental questions are involved.
- 1EC-1572 This change derates the decontamination room crane from 4000 pounds to 2200 pounds. No change in design or component(s) will be done. No unreviewed safety or environmental questions are involved.
- 1SC-1357 The replacement of the Containment Fan Coil Unit suction expansion joints with ones of improved design will not effect any presently performed safety analysis nor does it create any new safety hazards. No unreviewed safety or environmental questions are involved.

*DCR - Design Change Request

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALFM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
9900136-5	MD	1	#11 COMPONENT COOLING PUMP
			FAILURE DESCRIPTION: HIGH OUTBOARD PUMP BEARING VIBRATION
			CORRECTIVE ACTION: REPLACED OUTBOARD BEARINGS
931310	MD	1	#1 AUX BUILDING VENTILATION EXHAUST FILTER UNITS
			FAILURE DESCRIPTION: REPLACE BURNT WIRING ASSOCIATED WITH AUX. ALARM POINTS 436 AND 437.
			CORRECTIVE ACTION: REPLACED BURNT WIRING
84-07-20-660-1			
	MD	1	#15 SW PUMP STRAINER
			FAILURE DESCRIPTION: BROKEN SHEAR PIN ON STRAINER
			CORRECTIVE ACTION: REPLACE BOTTOM SHOES AND SHEAR KEY
939488-5	MD	1	1CV75
			FAILURE DESCRIPTION: REPAIR THE FURMANITE REPAIR
			CORRECTIVE ACTION: REPAIRED VALVE
938423-5	OD	1	13MS7; #13 STEAM GENERATOR MSIV DRAIN VALVE
			FAILURE DESCRIPTION: #13 MS7 IS BLOWING STEAM
			CORRECTIVE ACTION: WELDED LUBE PLUG, REPLACED STEAM AND PLUG ASSEMBLY, INSTALLED A NEW SEAT RING, AND REPACKED VALVE

9900079-2 MD 1 1B DIESEL

FAILURE DESCRIPTION: NO SPEED CONTROL, PRELUBE PUMP DID NOT START, AND HI VIB. ALARM ON START OF DIESEL.

CORRECTIVE ACTION: MADE UP SPEED CONTROL CIRCUIT, REPLACED HCR RELAY IN ENG. CAB. FOR PRELUBE PUMP, AND REPLACED VIBRATION SWITCH

948019 OD 1 RMS STRIP CHART RECORDER

FAILURE DESCRIPTION: RECORDER WILL NOT PRINT OR SCAN POINTS

CORRECTIVE ACTION: CLEANED INPUT SELECTOR SWITCH, INSTALLED NEW PRINT INDEX CONTROL CIRCUIT BOARD, INSTALLED NEW POINT SOLENOID AND SYNCHRONIZED RECORDER

84-07-18-500-1

OD 1 #11 CFCU

FAILURE DESCRIPTION: TRIPPED ON SLOW START

CORRECTIVE ACTION: REPLACED OVERLOADS

84-07-05-520-4

OD 1 1C DIESEL PRELUBE PUMP

FAILURE DESCRIPTION: BREAKER TRIPPED, PUMP SMOKED

CORRECTIVE ACTION: REPLACED PUMP AND MOTOR

SALEM UNIT No. 1
OPERATIONS SUMMARY REPORT
JULY 1984

Unit No. 1 remained shutdown as the fifth refueling outage continues. After installation and testing of one Pressurizer Safety Valve the Unit entered Mode 5 on July 19, 1984. Generator reassembly work continues. Series connections and header caps insulation is complete and in the cure cycle. Installation of the rotor has been completed. The series connections (exciter end) has been insulated. Steam Generator secondary side inspections have been completed for all Steam Generators. Installation of tube lane blocking devices for all Steam Generators has been completed. Type A test for all Steam Generators has been completed. Final reactor cavity decon has been completed. Reactor vessel stud hole cleaning completed. The Reactor Head has been set in place and the studs installed and tensioned. Missile Shield installation has been completed. Pressurizer hanger work has been completed. Nos. 11, 13 and 14 RCP motors have been installed. Reactor Coolant Pumps No. 11 and No. 13 have been aligned. No. 14 is in the process of being aligned. In-core Thermocouple cable upgrade commenced on July 21, 1984. All Flux Thimbles have been cleaned and eddy current tested. Type "C" leak rate testing has been completed. One hundred and seventeen (117) valves have been tested and accepted. No. 12 CFCU motor has been installed. Limitorque valve modifications are in progress. Preparations are in progress for the Type A Containment Integrated Leakage Rate Test.

REFUELING INFORMATION

COMPLETED BY: L.K. Miller DOCKET NO.: 50-272
 UNIT NAME: Salem 1
 DATE: August 10, 1984
 TELEPHONE: 609/935-6000
 EXTENSION: 4455

Month July 1984

1. Refueling information has changed from last month:
 YES _____ NO X
2. Scheduled date for next refueling: February 24, 1984
3. Scheduled date for restart following refueling: September 1, 1984
4. A) Will Technical Specification changes or other license amendments be required?
 YES _____ NO X
 NOT DETERMINED TO DATE _____
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
 YES X NO _____
 If no, when is it scheduled? _____
5. Scheduled date(s) for submitting proposed licensing action:
Not required
6. Important licensing considerations associated with refueling:
NONE

7. Number of Fuel Assemblies:
 A) Incore 193
 B) In Spent Fuel Storage 296
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



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

Salem Generating Station

August 10, 1984

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 July 1984 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,

A handwritten signature in cursive script that reads "J. M. Zupko, Jr.".

J. M. Zupko, Jr.
General Manager - Salem Operations

LKM: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

Enclosures
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