

AVERAGE DAILY UNIT POWER LEVEL

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

Completed by L. K. Miller

Month June 1984

Day Average Daily Power Level
(MWe-NET)

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>

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>

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OPERATING DATA REPORT

Docket No. 50-272
 Date July 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>June 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>720</u>	<u>4367</u>	<u>61392</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>(3071)</u>	<u>1209632</u>	<u>31180944</u>
19. Unit Service Factor	<u>0</u>	<u>27.4</u>	<u>53.7</u>
20. Unit Availability Factor	<u>0</u>	<u>27.4</u>	<u>53.7</u>
21. Unit Capacity Factor (using MDC Net)	<u>0</u>	<u>25.7</u>	<u>47.1</u>
22. Unit Capacity Factor (using DER Net)	<u>0</u>	<u>25.4</u>	<u>46.6</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>45.8</u>	<u>29.9</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:
8-11-84

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 June 1984

Docket No. 50-272
 Unit Name Salem No.1
 Date July 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	04-2	S	720	C	4	-	RC	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 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 JUNE 1984

DOCKET NO: 50-272

UNIT NAME: SALEM 1

DATE: JULY 10, 1984

COMPLETED BY: L. K. MILLER

TELEPHONE: (609) 339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1ED-0338	Non Radwaste and Radiation Monitoring	Addition of radiation monitor.
1EC-1535A	Diesel Generator	Addition of expanded metal mesh to the exhaust vents of the three diesel generators.
1EC-1611	Safety Injection	Change valve packing for valves 1SJ4, 1SJ5, 1SJ12 and 1SJ13 (Valve Mark No. FA-46) from existing "John Crane 187-I" packing to new "Grafoil Halogenated Valve Stem Die Molded Ring Sets".
1SC-0795	Containment Air Locks	Design and locate four tool boxes needed to store tools to be used in case of an air lock malfunction. Two tool boxes must be located in the air locks, one in 130' El. the other in the 100' El. The other two must be located in the containment near the air locks.
1SC-1151	Main Generator Excitation	Replace all original 120 fuses on #1 Main Generator brushless exciter diode wheel with new improved design.

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS
REPORT MONTH JUNE 1984

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

*DCR NO. SAFETY EVALUATION 10 CFR 50.59

- 1ED-0338 Addition of the radiation monitoring instrument allows continuous monitoring of the steam generator blowdown verses sampling. No unreviewed safety or environmental questions are involved.
- 1EC-1535A This change increases the reliability of the diesel generators by reducing the possibility of tampering with the exhaust vents. No unreviewed safety or environmental questions are involved.
- 1EC-1611 The packing replacement actually increases the reliability of the affected valves. No unreviewed safety or environmental questions are involved.
- 1SC-0795 Installation of the tool boxes does not alter any plant process or discharge. No unreviewed safety or environmental questions are involved.
- 1SC-1151 This change does not alter any plant process or discharge. No safety related systems are affected. No unreviewed safety or environmental questions are involved.

*DCR - Design Change Request

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
919808	OD	1	BORIC ACID EVAPOARTOR
			FAILURE DESCRIPTION: RELIEF VALVE IS LEAKING TO THE FLOOR (052580)
			CORRECTIVE ACTION: DISASSEMBLED AND REPLACED WORN PARTS (052184)
<hr/>			
926596	OD	1	VALVE 1SJ90
			FAILURE DESCRIPTION: VALVE DIAPHRAGM IS LEAKING (052583)
			CORRECTIVE ACTION: INSTALLED NEW GASKET AND DIAPHRAGM (052484)
<hr/>			
936516	OD	1	1C DIESEL GENERATOR
			FAILURE DESCRIPTION: PRELUBE PUMP IS LEAKING OIL AT THE BOTTOM OF THE PUMP SEAL (101483)
			CORRECTIVE ACTION: INSPECTED PUMP AND REPLACED MECHANICAL SEAL (052384)
<hr/>			
937320	OD	1	CONTAINMENT RING DUCT
			FAILURE DESCRIPTION: THERE IS A ONE SQUARE FOOT JAGGED HOLE ON TOP BY NO. 11 CONTAINMENT FAN COIL DAMPERS (031584)
			CORRECTIVE ACTION: INSTALLED 1/8" THICK PATCH OVER FRACTURES AND SEALED WITH 732 RTV PER INSTRUCTIONS IN DR-MD84-3178 (051884).
<hr/>			
937936	OD	1	1B 460 VOLT VITAL BUS TRANSFORMER COOLING FAN
			FAILURE DESCRIPTION: EXCESSIVE NOISE COMING FROM THE FAN (072480)
			CORRECTIVE ACTION: FOUND TWO FANS WITH BAD BEARINGS REPLACED WITH NEW FANS (060484)

UNIT 1

939488 MD 1 VALVE 1CV75
FAILURE DESCRIPTION: REPAIR THE FURMANITE REPAIR ON THE PACKING GLAND (081083)
CORRECTIVE ACTION: REPLACED VALVE PARTS AND BLUE CHECKED THE SEATS (052284)

943686 MT 1 VALVE 1CV43
FAILURE DESCRIPTION: NEED TO LIFT SET TEST AS PER ASME XI (030384)
CORRECTIVE ACTION: LIFT SET VALVE AND INSTALLED NEW GASKETS (052284)

943607 MT 1 VALVE 1AF99
FAILURE DESCRIPTION: NEED TO LIFT SET TEST AS PER ASME XI (030384)
CORRECTIVE ACTION: PERFORMED LIFT TEST AND REPLACED VALVE INTO SYSTEM (051284)

946081 MD 1 IC EMERGENCY DIESEL
FAILURE DESCRIPTION: CLEAN AND CHECK ALL CIRCUITRY EXCLUDING DIESEL CONTROL CABINET (041784)
CORRECTIVE ACTION: CLEANED AND CHECKED (051184)

946221 MD 1 NO. 11 BORIC ACID TRANSFER PUMP
FAILURE DESCRIPTION: MECHANICAL SEAL IS LEAKING (042184)
CORRECTIVE ACTION: REPLACED MECHANICAL SEAL (060484)

946927 MD 1 VALVE 1CV003
FAILURE DESCRIPTION: REPACK VALVE (020684)
CORRECTIVE ACTION: REPLACED BONNET AND CAGE GASKETS, REPACKED VALVE, REPLACED ALL BONNET STUDS (052884)

SALEM UNIT No. 1
OPERATIONS SUMMARY REPORT
JUNE 1984

As the period began, Unit No. 1 remained shutdown as the fifth refueling outage continues. Repair of the generator is in progress. To date, stator water hose installation to manifolds has been completed and all solder connections have been accepted. The electrical loop test has been conducted and accepted. The generator is presently scheduled for return to service August 11, 1984. The bent thermocouple column has been straightened. Additional work will be required after the vessel head is in place including installation of eleven new thermocouples. Core reload began on June 15, 1984 and was completed on June 20, 1984. The upper internals have been installed. Reactor head cleaning is complete. Reactor vessel stud hole cleaning continues. To date forty-four stud holes have been completed. This cleaning is being done to return the Reactor Vessel flange and Head flange to an "as new" condition. Containment Sump closure has been completed. No. 12 Service Water Header was returned to service on June 17, 1984. No. 12 Component Cooling Heat Exchanger Service Water piping modifications have been completed. Steam Generator "J" tube inspections have been completed. Steam Generator annulus inspection/cleaning has commenced. Pressurizer hanger work is in progress. Limitorque valve modifications are in progress. Type "C" leak rate testing is in progress. To date, one hundred and thirteen (113) of one hundred and seventeen (117) valves have been accepted. 1B and 1C Vital Bus outages have been completed. 1A and 1B Diesel Generators inspections/repairs and testing are completed.

REFUELING INFORMATION

COMPLETED BY: L.K. Miller

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: July 10, 1984
TELEPHONE: 609/935-6000
EXTENSION: 4455

Month May 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 _____
NOT DETERMINED TO DATE 7/01/84
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
YES _____ NO X
If no, when is it scheduled? July 1984
5. Scheduled date(s) for submitting proposed licensing action:
July 1984 (if required)
6. Important licensing considerations associated with refueling:
NONE

7. Number of Fuel Assemblies:
A) Incore 0
B) In Spent Fuel Storage 489
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

July 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 June 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,

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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