

AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

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

Month June 1983

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>

Day Average Daily Power Level
 (MWe-NET)

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>

Pg. 8,1-7 R1

IE24
 1/1

OPERATING DATA REPORT

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

Completed by L. K. Miller

Operating Status

- | | <u>Salem No. 2</u> | <u>Notes</u> |
|--|--------------------------------------|--------------|
| 1. Unit Name | <u>June 1983</u> | |
| 2. Reporting Period | | |
| 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>N/A</u> | |
| 9. Power Level to Which Restricted, if any (Net MWe) | <u>0</u> | |
| 10. Reasons for Restrictions, if any | <u>SERVICE WATER PIPING PROBLEMS</u> | |
-
- | | <u>This Month</u> | <u>Year to Date</u> | <u>Cumulative</u> |
|--|-------------------|---------------------|-------------------|
| 11. Hours in Reporting Period | <u>720</u> | <u>4343</u> | <u>15049</u> |
| 12. No. of Hrs. Reactor was Critical | <u>0</u> | <u>470.3</u> | <u>10925.9</u> |
| 13. Reactor Reserve Shutdown Hrs. | <u>0</u> | <u>3.3</u> | <u>38.9</u> |
| 14. Hours Generator On-Line | <u>0</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>0</u> | <u>1109383.2</u> | <u>31625932.2</u> |
| 17. Gross Elec. Energy Generated (MWH) | <u>0</u> | <u>257340</u> | <u>10273590</u> |
| 18. Net Elec. Energy Generated (MWH) | <u>(4477)</u> | <u>222553</u> | <u>9796200</u> |
| 19. Unit Service Factor | <u>0</u> | <u>10.6</u> | <u>71.7</u> |
| 20. Unit Availability Factor | <u>0</u> | <u>10.6</u> | <u>71.7</u> |
| 21. Unit Capacity Factor (using MDC Net) | <u>0</u> | <u>4.6</u> | <u>58.9</u> |
| 22. Unit Capacity Factor (using DER Net) | <u>0</u> | <u>4.6</u> | <u>58.4</u> |
| 23. Unit Forced Outage Rate | <u>0</u> | <u>8.6</u> | <u>3.5</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:
July 14, 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>10/13/81</u>

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH JUNE 1983

Docket No. 50-311
Unit Name Salem No.2
Date July 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 Nuclear Service Water Problems Other		
83-048	6/28	F	408.0	B	1	---	WA	PIPEXX			
83-050	6/27	"	372.9	"	"	"	"	"	"	"	"

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 1983DOCKET NO: 50-311UNIT NAME: SALEM 2DATE: JULY 10, 1983COMPLETED BY: L. K. MILLERTELEPHONE: 609/935-6000 EXT. 4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0638	Fuel Handling Cranes	Modify fuel handling crane.
2EC-0769	Waste Disposal-Liquid	Addition of electric operators to allow remote operation of three-way valves of waste holdup and waste monitor holdup tanks and operator for cross tie (1WL115).
2EC-0839	Containment Sump Pump	Add break flanges to the discharge lines of #21 and 22 containment sump pumps.
2EC-0967	4kV Buses	Design of an additional level (approximately 90%) of undervoltage protection for the vital buses over the existing protection level of 70%.
2EC-1039	Auxiliary Annunciators	Add RA848A modules to the auxiliary annunciators.
2EC-1066	21 & 22 SGFP Low Suction Pressure Alarm	Remove from existing time delay relay and rewire to the SGFP low suction pressure trip time delay relay.
2EC-1138	Station Computer	Disconnect computer outputs presently transmitting RCS Delta TSAT and Delta PSAT from recorder TA-703 mounted in 2RP7 and reconnect to new recorder to be mounted in the console.
2EC-1259	480V Unit Substation Transformers	Add ventilation fans to unit substation transformers 2EP-460V and 2GP-460V.
2EC-1288	Auxiliary Feedwater	Aux Feedwater Pump trip initiated by low pump suction pressure.
2EC-1322	Safety Injection	Replace motors on valves 21, 22 23, 24SJ54.
2EC-1336	Waste Disposal-Gas (N510)	Install two Texas Instruments recorders on RPl to monitor the pressure in the gas decay tanks.
2EC-1338	Waste Disposal-Liquid (N530)	Install a Texas Instruments recorder on RPl to monitor the levels of reactor coolant drain and the Aux. Building sump tanks.
2EC-1340	Boric Acid Recovery (N120)	Install a Texas Instruments recorder on RPl to monitor the levels of the CVC holdup tanks.

* DESIGN CHANGE REQUEST

8-1-7.R1

MAJOR PLANT MODIFICATIONS

REPORT MONTH JUNE 1983DOCKET NO: 50-311UNIT NAME: SALEM 2DATE: JULY 10, 1983COMPLETED BY: L. K. MILLERTELEPHONE: 609/935-6000 EXT. 4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-1371	Fire Barriers	Modify existing vertical fire barriers on El. 64' in the vital 4kV Switchgear Room by raising the top elevation to El. 79'-4".
2EC-1456	TGA-Structural Steel	Install structural steel monorails to facilitate removal of condenser outlet piping and outlet waterboxes.
2EC-1458	Control Air System	Reroute control air piping in TGA discharge side of the main surface condenser to facilitate condenser retubing.
2EC-1464	Heating Steam & Condensate	Install break flanges and reroute piping, in TGA, discharge side of condenser to facilitate main condenser retubing.
2EC-1468	Building & Structures	Remove permanently receiving area concrete overhang and levelator from west wall of TGA and north wall of Service Building. Receiving area has previously been moved to Clean Facilities Building.
2EC-1502B	Circulating Water	Replacement of expansion joint between the inlet waterbox and transition piece of #21B & 23A water circuits. The change will involve replacement of the present chlorobutyl-duck reinforced expansion joint with a chlorobutyl-polyester reinforced expansion joint. The new joints are flexible. No reinforcing rod as in the present design is necessary.
2ET-1508	Electrical Penetrations	Remove plugs, caps and ferrules from 4 each spare ports on electrical penetration 2-51 and 2 each spare ports on electrical penetration 2-53 to permit passing electrical cables for eddy current testing on steam generator tubing. After testing replace new plugs, caps and ferrules.
2EC-1511	Building Drains & Vents	Relocate 10" roof drain header to remove interference with the installation of the monorails.
2EC-1586	Fire Protection	Install pressure test connection in gate valve 2FP275 upstream of gate in boss provided.

* DESIGN CHANGE REQUEST

8-1-7.R1

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MAJOR PLANT MODIFICATIONS
REPORT MONTH JUNE 1983

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: JULY 10, 1983
COMPLETED BY: L. K. MILLER
TELEPHONE: 609/935-6000 EXT. 4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-1642	Reactor Coolant	Revise setpoints of #24 RCP locked rotor protection relaying.
2SC-0153	Nuclear Instrumentation	Provide permanent implementation-permanent spare source range detector to be used during refueling.
2SC-0608	Miscellaneous AC Supply	Supply feeds to the thermocouple reference boxes from a power supply that is fed off the vital power supply.
2SC-0716A	Main Turbine Auto Stop Oil	Provide a backup for the auto stop oil supply pressure.
2SC-0798	Structural (Component Cooling)	Design areas of lifting for removal and installation of #21 and 22 Component Cooling Heat Exchanger heads.
2SC-0813	Penetrations (Electrical)	Install drains in electrical penetration cannister termination boxes in Containment.
2SC-0831	Structural	Provide a rack for spare fan coil units on Containment slab at El. 130'.
2SC-0901	Containment Sump	Install a containment sump pump start alarm on the overhead annunciator. This would assure operator knowledge of containment sump pump operation.

MAJOR PLANT MODIFICATIONS
REPORT MONTH JUNE

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: July 10, 1983
COMPLETED BY: L.K. Miller
TELEPHONE: 609/935-6000 X4455

*DCR NO. 10CFR50.59

SAFETY EVALUATION

- 2EC-0638 Increasing the trolley rail from 25# to 80# does not affect any presently performed safety analysis or change any plant discharges. No unreviewed safety or environmental questions are involved.
- 2EC-0769 This change should result in a decrease or radiation exposure to plant personnel and cause no increase of the amount of radioactive material discharged from the plant. No unreviewed safety or environmental questions are involved.
- 2EC-0839 The containment sump pumps are not a safety related item and do not affect the safe shutdown of the plant. No unreviewed safety or environmental questions are involved.
- 2EC-0967 This design change provides an additional level of undervoltage protection for the vital busses. No unreviewed safety or environmental questions are involved.
- 2EC-1039 This change is not safety related and does not affect safety related equipment. No unreviewed safety or environmental questions are involved.
- 2EC-1066 This change is to improve the reliability of the system. No unreviewed safety or environmental questions are involved.
- 2EC-1138 This change is to make the Reactor Coolant System Delta "T" sat and Delta "P" sat information more available to the operator. No unreviewed safety or environmental questions are involved.

* Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH JUNE

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UNIT NAME: Salem 2
DATE: July 10, 1983
COMPLETED BY: L.K. Miller
TELEPHONE: 609/935-6000 X4455

*DCR NO. 10CFR50.59

SAFETY EVALUATION

- 2EC-1259 Provision of cooling for the 2EP and 2GP Pressurizer Heater Transformers does not involve any change to the FSAR or Technical Specifications. Implementation of this DCR does require the penetration of a fire barrier, however instructions are incorporated for resealing to maintain the original fire rating. No unreviewed safety or environmental questions are involved.
- 2EC-1288 This change enhances the reliability of the Auxiliary Feedwater System in the postulated event of a tornado. No unreviewed safety or environmental questions are involved.
- 2EC-1322 The motor function remains the same. No unreviewed safety or environmental questions are involved.
- 2EC-1336 This change provides additional information to the operator and does not affect the function of the system. No unreviewed safety or environmental questions are involved.
- 2EC-1338 This change provides additional information to the operator and does not affect the safe shutdown of the plant. No unreviewed safety or environmental questions are involved.
- 2EC-1340 This change provides additional information to the operator and does not affect the function of the system or the safe shutdown of the plant. No unreviewed safety or environmental questions are involved.
- 2EC-1371 This modification provides an acceptable alternate means of protecting the vital cable tray, as defined in Appendix R. No unreviewed safety or environmental questions are involved.

* Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH JUNE

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: July 10, 1983
COMPLETED BY: L.K. Miller
TELEPHONE: 609/935-6000 X4455

*DCR NO.	10CFR50.59	SAFETY EVALUATION
<hr/>		
2EC-1456	The monorails required by this DCR are in a non-safety related building and will not affect the safe shutdown of the plant. No unreviewed safety or environmental questions are involved.	
2EC-1458	This design change does not affect any presently performed safety analysis nor does it create any new safety hazards. No unreviewed safety or environmental questions are involved.	
2EC-1464	This change does not affect any presently performed safety analysis nor does it create any new safety hazards. No unreviewed safety or environmental questions are involved.	
2EC-1468	The concrete canopy was removed in such a way as to not jeopardize any of the main steam line and it was not carried over any safety related equipment. No unreviewed safety or environmental questions are involved.	
2EC-1502B	Replacement of the rigid type expansion joints with flexible joints does not affect any presently performed safety analysis. No unreviewed safety or environmental questions are involved.	
2ET-1508	Implementation of this change requires the opening of a fire barrier. However, instructions for its resealing to maintain the required hourly fire rating are included. No unreviewed safety or environmental questions are involved.	
2EC-1511	This change to the 10" roof drain header does not affect any presently performed safety analysis nor does it create any new safety hazards. No unreviewed safety or environmental questions are involved.	

* Design Change Request

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*DCR NO.	10CFR50.59	SAFETY EVALUATION
<hr/>		
2EC-1586	Addition of a pressure test connection does not affect any presently performed safety analysis, nor does it create any new safety hazards. No unreviewed safety or environmental questions are involved.	
2EC-1642	This change allows the relay to operate in the manner originally designed. No unreviewed safety or environmental questions are involved.	
2SC-0153	The installation of a permanent source range detector provides for redundant indication of neutron flux. No unreviewed safety or environmental questions are involved.	
2SC-0608	This change makes the thermocouples available for indication for verifying reactor stability during a loss of offsite power. No unreviewed safety or environmental questions are involved.	
2SC-0716A	Installation of a new auto-stop relief valve improves the reliability of the Turbine Control System. No unreviewed safety or environmental questions are involved.	
2SC-0798	Installation of lifting rigs for the removal of No. 21 and 22 Component Cooling Heat Exchanger end plates does not affect building integrity or the safe shutdown of the plant. No unreviewed safety or environmental questions are involved.	
2SC-0813	This change prevents accumulation of water and prevents corrosion buildup inside the electrical penetration terminal boxes. No unreviewed safety or environmental questions are involved.	
2SC-0931	The structural frame is designed to support the spare fan coils and prevent them from becoming a missile in the event of a seismic condition. No unreviewed safety or environmental questions are involved.	
2SC-0901	This change adds additional indication to the system. No unreviewed safety or environmental questions are involved.	

* Design Change Request

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
901648	MD	2	S/G & MSIV SNUBBERS	
			FAILURE DESCRIPTION:	IO200780-SAMPLE HYDRAULIC FLUID AND GIVE SAMPLES TO PD-CHEM FOR ANALYSIS. 820722
			CORRECTIVE ACTION:	ALL S/G SNUBBERS SENT OUT FOR REPAIR BY CAT. MSIV OI L SAMPLED AND SENT TO CHEM-WO#MD931083. 830504
901689	MD	2	23 RC PUMP	
			FAILURE DESCRIPTION:	IO 200862, PERFORM BEARING INSULATION CHECK. 820723
			CORRECTIVE ACTION:	PERFORMED BEARING INSULATION CHECK IAW M8A. SAT. 830502
901690	MD	2	22 RC PUMP	
			FAILURE DESCRIPTION:	IO 200860, PERFORM BEARING INSULATION CHECK. 820723
			CORRECTIVE ACTION:	PERFORMED BEARING INSULATION CHECK IAW M8A. SAT. 830502
901691	MD	2	21 RC PUMP	
			FAILURE DESCRIPTION:	IO 200861, PERFORM BEARING INSULATION CHECK
			CORRECTIVE ACTION:	PERFORMED BEARING INSULATION CHECK IAW M8A. SAT. 830502
905580	MD	2	IN CORE INSTRUMENTATION	
			FAILURE DESCRIPTION:	REMOV K2&K4 POS FLUX THIMBLS & REPL W/SPARES. DELETE K2 & CHNG TO G5. REMOV THIMBL FOR ANALYSIS. 820823
			CORRECTIVE ACTION:	COMPLETED AS PER T-89 PROCEDURE. 830427
908653	MD	2	26 SER WTR SCREEN	
			FAILURE DESCRIPTION:	PULL AND INSPECT 820910
			CORRECTIVE ACTION:	REBUILT SCREEN 830502

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
916827	MD	2	21 RHR SUMP LEL OHA
			FAILURE DESCRIPTION: ALARM UP WITH NO LEVEL IN SUMP. 821017
			CORRECTIVE ACTION: FUND CONICTS CORRODED & STICKING ON MAGNATROL DEV. FLOATS BROKN. REPLACED W/NEW LVL DEVICE. 830503
922571	MD	2	VALVE 2PR6
			FAILURE DESCRIPTION: CANNOT CLOSE VALVE FROM CONTROL ROOM. 830509
			CORRECTIVE ACTION: FOUND OPERATE/RESET RELAY STICKING. REPLACED RELAY TESTED VALVE OPEN TO CLOSE - 9.9 SEC. 830510
922793	MD	2	21 CHARGING PUMP
			FAILURE DESCRIPTION: PUMP MAY HAVE RUN WITH AN EMPTY OIL RESERVOIR. 830322
			CORRECTIVE ACTION: INBD & OUTBD RADL BRGS OK. THRUST BRG DAM BUT NOT WIPD. CLEAND SUMP, LINES REP SHOES 830322
922866	MD	2	MANIPULATOR CRANE
			FAILURE DESCRIPTION: GRIPPER ENGAGE LIGHT WILL NOT ENERGIZE. SUSPECT LIMIT SWITCH ON MAST. 830325
			CORRECTIVE ACTION: REPLACED DEFECTIVE LIMIT SWITCH. TESTED SAT. 830325
922868	MD	2	CONT AIR LOCK 130 EL
			FAILURE DESCRIPTION: INNER DOOR UPPER ROLLER IS BROKEN. 830326
			CORRECTIVE ACTION: INSTALLED NEW ROLLER BEARING. 830326
923710	MD	2	2C EMERGENCY DIESEL
			FAILURE DESCRIPTION: THE WATER JACKET IS LEAKING OUT OF A CONDUIT. 830409
			CORRECTIVE ACTION: REPL BOTH JACKET WTR HTRS. APPRS HTRS ENRGZD W/LOW WTR LVL CAUSING HTRS TO BURN OUT & LEAK. 830421

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
924922	MD	2	VALVE 2SJ4	
			FAILURE DESCRIPTION:	OPEN AND INSPECT INTERNALS 830413
			CORRECTIVE ACTION:	OPENED, INSPECTED, FOUND INTERNALS SAT. 830428
925569	MD	2	VALVE 2SA118	
			FAILURE DESCRIPTION:	FAILED LEAKRATE TEST. OPEN INSPECT REWORK AS REQUIRED. LAPPING IS PERMISSABLE 830126.
			CORRECTIVE ACTION:	CLEANED, LAPPED, BLUE CHECKED, REPACKED, AND REPLACED BONNET GASKET 830311.
925570	MD	2	VALVE 2SA119	
			FAILURE DESCRIPTION:	FAILED LEAK RATE TEST. OPEN, INSPECT, REWORK AS REQUIRED. LAPPING IS PERMISSIBLE 830126
			CORRECTIVE ACTION:	CLEANED, LAPPED, BLUE CHECKED, REPLACED BONNET GASKET.
925707	MD	2	VALVE 2FP148	
			FAILURE DESCRIPTION:	FAILED LEAK RATE TEST. REWORK AS REQUIRED. LAPPING IS PERMISSIBLE 830130
			CORRECTIVE ACTION:	CLEANED, LAPPED, BLUE CHECKED, REPLACED BONNET GASKET 830309
925740	MD	2	VALVE 22CA330	
			FAILURE DESCRIPTION:	FAILED LEAK RATE. OPEN, INSPECT, REWORK AS REQUIRED. LAPPING IS PERMISSIBLE 830209
			CORRECTIVE ACTION:	MACHINED PLUG AND SEAT RING (REPACKED AND INSTALLED NEW BONNET GASKET) 830310
925800	MD	2	24 RC PUMP	
			FAILURE DESCRIPTION:	PERFORM BEARING INSULATION CHECK 830113
			CORRECTIVE ACTION:	PERFORMED BEARING INSULATION CHECK IAW M*A SATISFACTORY 830502

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
926274	MD	2	SPARE ELECT PEN	
			FAILURE DESCRIPTION:	RUTE EDDY CURRENT CABLES INTO CNTNMT THRU SPARE ELECTRICAL PENETRATION. 830105
			CORRECTIVE ACTION:	EDDY CURNT CABLES INSTALL COMPL. CABLES REMOVED, PLUGS REINSTLD, PEN REPRESSURIZED. 830307
926318	MD	2	VALVE 21MS46	
			FAILURE DESCRIPTION:	HANGR ARM DISTORTED. CHANGE OUT HANGER ARM & PERFORM INTRNL VISUL EXAM FOR OTHER ABNORMALTIES 830111
			CORRECTIVE ACTION:	REPL HANGER, HANGER PIN, 4 BUSHINGS, & NEW COTTER PIN. DISC SETA GOOD. TORQUED BONNET TO 150#.830419
927050	MD	2	VLVS 21,22BF22	
			FAILURE DESCRIPTION:	MACHINE VALVE DISC ASDIRECTED BY ROCKWELL REP 830314
			CORRECTIVE ACTION:	MACHINED VALVE SEATS 830412
927145	MD	2	25 CNTNMT FCU	
			FAILURE DESCRIPTION:	REVERSE FLOW ELEMT F-3538 TO PROVIDE CORRECT INSTL ATN. CLEAN FOR INSP AND REPAIR AS REQD. 830428
			CORRECTIVE ACTION:	REMOVED FLOW ELEMENT AND FOUND NO EROSION OR DISTORTION. 830503
927148	MD	2	VALVE 21AF23	
			FAILURE DESCRIPTION:	MACHINE DISC SEATING SURFACE AT DIRECTION OF ROCKWELL REP. 830502
			CORRECTIVE ACTION:	MACHINED AS DIRECTED 830502
927149	MD	2	VALVE 24AF23	
			FAILURE DESCRIPTION:	MACHINE DISC SEATING SURFACE AT DIRECTION OF ROCKWELL REP. 830502
			CORRECTIVE ACTION:	MACHINED AS DIRECTED 830502

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
927302	MD	2	24 RCP MOTOR	
			FAILURE DESCRIPTION:	REMOVE 24 RCP MOTOR FROM UNIT 2 AND INSTALL IT IN 12 RCP POSITION ON UNIT 1.
			CORRECTIVE ACTION:	MOTOR REMOVED AND TRANSFERRED TO UNIT 1. MOTOR INSTALLED AND ALIGNED UNDER WO# 927300. 830131
927390	MD	2	2A VITAL 460V BKRS	
			FAILURE DESCRIPTION:	REMOVE ALL 2A 460V BREAKERS. CLEAN AND TEST PER M3 Q & M3Z. CLEAN ALL BREAKER CUBICLES. 830214
			CORRECTIVE ACTION:	REMOVED, CLEANED, AND REPAIRED AS REQUIRED. 830909
927393	MD	2	2B VITAL 460V BKRS	
			FAILURE DESCRIPTION:	REMOVE ALL 2B 460V BUS BREAKERS
			CORRECTIVE ACTION:	REMOVED, INSPECTED, AND CLEANED ALL 2B 460V BREAKERS. TESTED AND REPAIRED AS REQUIRED. 830426
927465	MD	2	UNIT 2 DIESEL GENRTRS	
			FAILURE DESCRIPTION:	IO 20076. EXERCISE AND LUBRICATE NO 2 UNIT DIESEL GENERATOR DAMPERS. 830224
			CORRECTIVE ACTION:	COMPLETED INSPECTION AND LUBRICATION OF DAMPERS. 830319
927496	MD	2	VALVE 2CV348	
			FAILURE DESCRIPTION:	SAUNDERS VALVE DIAPHRAM LEAKS. 830301
			CORRECTIVE ACTION:	REPLACED VALVE DIAPHRAM. 830302
990923	MD	2	21S/G FDWTR NOZZLE	
			FAILURE DESCRIPTION:	PERFORM RADIOGRAPH EXAM ON ONE NOZZLE WELD 820606
			CORRECTIVE ACTION:	PERFORMED RADIOGRAPHY. NO REJECTABLE IDENTIFICATION NOTED 830325

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
990924	MD	2	22S/G FDWTR NOZZLE	
			FAILURE DESCRIPTION:	PERFORM RADIOGRAPH EXAM OF ONE NOZZLE WELD 820606
			CORRECTIVE ACTION:	PERFORMED RADIOGRAPHY. RESULTS ACCEPTABLE 830325
990925	MD	2	23S/G FDWTR NOZZLE	
			FAILURE DESCRIPTION:	PERFORM RADIOGRAPH EXAM ON ONE NOZZLE WELD. 820606
			CORRECTIVE ACTION:	PERFORMED RADIOGRAPHY. RESULTS ACCEPTABLE. 830325
990926	MD	2	24S/G FDWTR NOZZLE	
			FAILURE DESCRIPTION:	PERFORM RADIOGRAPHIC EXAM OF NOZZLE WELDS 820606
			CORRECTIVE ACTION:	PERFORMED RADIOGRAPHY. RESULTS ACCEPTABLE. 830325
990953	MD	2	REACTOR VESSEL	
			FAILURE DESCRIPTION:	CNDCT RMT VISUAL EXAMINATION OF ACCESSBL AREAS DURING REFUELING AS PER ASME SECTION 11. 820606
			CORRECTIVE ACTION:	REMOTE VISUAL INSPECTION WAS CONDUCTED. REPORT IN ISI OFFICE. 830325
993022	MD	2	21 STEAM GENERATOR	
			FAILURE DESCRIPTION:	PERFORM ULTRASONIC EXAM OF 21 S/G CHANNEL HEAD CLADDING IAW T/S 4.4.11.2 820606
			CORRECTIVE ACTION:	CLADDING INSPECTION PERFORMED - RESULTS ACCEPTABLE. 830325
993203	MD	2	CONT AIR LOC 130EL	
			FAILURE DESCRIPTION:	INNER DOOR HAS EXCESSIVE SEAL LEAKAGE. 821121
			CORRECTIVE ACTION:	REMOVED AND REINSTALLED SAME SEAL. 821121

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
994697	MD	2	22 CHILLER	
			FAILURE DESCRIPTION:	RECIRC PUMP PACKING LEAKS EXCESSIVELY. 820128
			CORRECTIVE ACTION:	REPLACED MECHANICAL SEAL 820324
919616	PD	2	VLVS 21,23MS169	
			FAILURE DESCRIPTION:	REPLACE VALVEOP DIAPHRAMS AND STROKE. 830206
			CORRECTIVE ACTION:	REPLACED DIAPHRAMS AND RESTROKED. SAT. 830413
919619	PD	2	VLVS 22,24MS171	
			FAILURE DESCRIPTION:	REPLACE VALVEOP DIAPHRAM AND STROKE. 830208
			CORRECTIVE ACTION:	REPLACED DIAPHRAM, REPAIRED LEAKING QUICK VALVE EXHAUST ON 22MS171. STROKED SAT. 830322
919712	PD	2	2FT-520	
			FAILURE DESCRIPTION:	CHANNEL OUT OF CALIBRATION DURING CALIBRATION CHECK. 830216
			CORRECTIVE ACTION:	REPLACED C2,3,4,6, and 7 in 2FM-520C. RECALIBRATION SAT. 830216
919714	PD	2	22S/G STM FLO CH 1	
			FAILURE DESCRIPTION:	CALIBRATE
			CORRECTIVE ACTION:	REPLACED MULTIPLIER/DIVIDER 2FM-522B 830220
919909	PD	2	VALVE 23MS10	
			FAILURE DESCRIPTION:	VALVE CONTROLLER HAS NO MANUAL OUTPUT. 830225
			CORRECTIVE ACTION:	REPLACED CONTROLLER 2PC-536C. 8130301

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
919925	PD	2	24S/G STM DUMP ATMOS	
			FAILURE DESCRIPTION:	CHANNEL OUT OF CALIBRATION DURING CALIBRATION CHECK. 830331
			CORRECTIVE ACTION:	REPLACED CONTROLLER 2PC-546C. 830331
919930	PD	2	2TE-411A1B	
			FAILURE DESCRIPTION:	CHANNEL FOUND OUT OF CALIBRATION DURING CALIBRATION. 830405
			CORRECTIVE ACTION:	REPLACED 2TM-412F, 2TC-412C &D, AND 2TC-411A. 830406
925027	PD	2	RMS 2R41B	
			FAILURE DESCRIPTION:	CHANNEL FAILED 830216
			CORRECTIVE ACTION:	CH OPR PROPERLY EXCEPT 2RP1 DISPLY NON-FUNCTIONAL. REPL BAD ACIA CHIP IN CNTRL R MODUL. TST SAT. 830305
927603	PD	2	24 RCP SEAL LEAKOFF	
			FAILURE DESCRIPTION:	LEAKOFF FLOW CHANNEL OUT OF CALIBRATION 830127
			CORRECTIVE ACTION:	INSTALLED NEW PC BOARD, LVDT AND ADJUSTED LINKAGE. COMPLETED CALIBRATION. 830203
927740	PD	2	RMS CH 2R16	
			FAILURE DESCRIPTION:	INVESTIGATE 1K PLUS COUNTS. 830318
			CORRECTIVE ACTION:	CHECK SOURCE MECHNICLY STUCK IN THE IN POSITION. READJUSTED SOURCE CABLE & CYCLED. SAT. 830318
994703	PD	2	OP DELTA T LOOP 21	
			FAILURE DESCRIPTION:	CHANNEL FAILED HIGH
			CORRECTIVE ACTION:	NO OUTPUT FROM 2TM-412E. FOUND CAPS C2&C3 BLOWN. REP LCD C2,C3,C4,C6, & C7. FNCTNL TST SAT. 820128

SALEM UNIT 2
OPERATIONS SUMMARY REPORT
JUNE 1983

The First Refueling Outage of Salem Unit No. 2 commenced on January 21, 1983, and has continued through the month of June. Both service water headers were inspected and cleaned of biofouling in preparation for startup of the unit. Containment integrity was established on July 25, 1983. During surveillance testing, problems were encountered with No. 22 RHR pump motor. These problems necessitated replacement of the motor, delaying the heatup of the unit.

REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO.: 50-311UNIT NAME: Salem 2DATE: July 10, 1983TELEPHONE: 609/935-6000EXTENSION: 4455Month June 1983

1. Refueling information has changed from last month:

YES _____ NO X

2. Scheduled date for 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 XNOT DETERMINED TO DATE 7/1/83

- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?

YES _____ NO XIf 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

72

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

8-1-7.R4



PSEG

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

Salem Generating Station

July 10, 1983

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 June 1983 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Major Plant Modification
Summary of Safety Related Maintenance
Operating Summary
Refueling Information

Sincerely yours,

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

LKM:sbh

cc: Dr. Thomas E. Murley
Acting 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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