AVERAGE DAILY UNIT POWER LEVEL

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

Completed by L. K. Miller

Month November 1983

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	0	16	0
2	0	17	0
3	0	18	0
4	0	19	0
5	0	20	0
6	0	21	0
7	0	22	0
8	0	23	0
9	0	24	0
10	0	25	0
11	0	26	0
12	0	27	0
13	0	28	0
14	0	29	0
15	0	30	0

Pg. 8,1-7 R1

IE24

OPERATING DATA REPORT

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

Completed by L. K. Miller

Operating Status

1.	Unit Name	Salem No. 2	Notes
2.	Reporting Period	November 1983	
3.	Licensed Thermal Power (MWt)	3411	
4.	Nameplate Rating (Gross MWe)	1162	
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) N/A

10. Reasons for Restrictions, if any N/A

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	720	8016	18722
12. No. of Hrs. Reactor was Critical	0	1252.9	11708.5
13. Reactor Reserve Shutdown Hrs.	720	1310.1	1346.6
14. Hours Generator On-Line	0	1080.1	11417.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	2954523	33471072
17. Gross Elec. Energy Generated (MWH)	0	852040	10868250
18. Net Elec. Energy Generated (MWH)	(4557)	747706	10321353
19. Unit Service Factor	0	13.5	61.0
20. Unit Availability Factor	0	13.5	61.0
21. Unit Capacity Factor (using MDC Net)	0	8.4	49.8
22. Unit Capacity Factor (using DER Net)	0	8.4	49.4
23. Unit Forced Outage Rate	100	70.7	20.5

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

25. If shutdown at end of Report Period, Estimated Date of Startup: 1-30-84

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

	Forecast	Achieved
Initial Criticality	6/30/80	8/2/80
Initial Electricity	9/1/80	6/3/81
Commercial Operation	9/24/81	10/13/81

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH NOVEMBER 1983

Docket No. 50-311
Unit Name Salem No.2
Date Dec. 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
83-114	10/07	F	408	A	4	-	HA	HTEXCH	Other Hydrogen System Problems Generator
83-116	11/17	"	312	"	"	"	"	GENERA	Stator Winding Problems

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 NOVEMBER 1983

DOCKET NO: 50-311

UNIT NAME: SALEM 2

DATE: DECEMBER 10, 1983

COMPLETED BY: L. K. MILLER

TELEPHONE: (609) 339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0650	Steam Generator Blow-down	Modify the steam generator blowdown system.
2EC-0719	Turbine Drains	High pressure turbine interstage drain replacement using type 304 stainless steel.
2EC-0734	MSR's 2nd Reheater Head Modification	Design modification of all 6 HP reheater MSR's from a two pass hemi-head design to full access davitted channel head with four pass internal arrangement.
2EC-1129	Auxiliary Feedwater	Change power supply as follows: a) #21 pump suction & discharge pressure indication, b) #24 & 24 Steam Generator Auxiliary Feedwater Flow indication, c) #23 & 24AF21 indicator power supply, d) Auxiliary Feedwater Storage Tank level indicator, e) #23 pump - speed, speed demand, suction pressure, discharge pressure and steam pressure indicators.
2EC-1131	Control Air	Change the power supply for the 2A and 2B header pressure transmitters.
2EC-1133	Auxiliary Feedwater	Change power supply as follows: a) #21 pump suction & discharge pressure indicators, b) #21 & 22 steam generator HFW flow indicators c) #21 & 22AF21 indicators.
2EC-1250	Diesel Generators	Power supplies to all of the "indicators" for voltage, frequency, watts and amps of each one of the diesel generators (1A, B, C) shall be changed from MAC panels (11 & 12) to the respective vital buses.
2EC-1422	Vital Instrument and Essential Control Inverters	Install circuit breakers and line filters in the inverters cooling fan circuit.

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS

REPORT MONTH NOVEMBER 1983

DOCKET NO: 50-311

UNIT NAME: SALEM 2

DATE: DECEMBER 10, 1983

COMPLETED BY: L. K. MILLER

TELEPHONE: (609) 339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-1633	Protection Systems-Steam Generator Level	Revise setpoint of steam generator lo-lo level from 18% to 8.5%.
2EC-1657	Emergency Diesel Generators	Change the setpoint of the lube oil temperature initial alarm from 185°F to 190°F.
2EC-1666	Pressurizer	Change scale on pressurizer relief tank temperature indicator on the Control Room console and calibrate indicator for a range of 50° to 350°F also the low level amplifier.
2EC-1669	Environmental Qualification	Change containment spray additive transmitter FA-218 to an environmentally qualified model - Rosemount 1153D.
2EC-1726	Bleed Steam and Heater Drain	Increase water level setpoints by two inches on all low pressure feedwater heaters which include 21A,B,C; 22A,B,C.
2SC-0305	Fan Coil Unit Service Water Flow	Modify overhead alarms C2, C10, C18, C26, C34 containment fan coils.
2SC-0606	Service Water (Only No. 23, 24, 25 and 26 completed)	Vent oil level columns in the bearing oil lubrication system on No. 21, 22, 23, 24, 25 and 26 Service Water Pump Motors.
2SC-0621	Diesel Turbo Boost	Install a low pressure air alarm for each diesel.
2SC-0655	Emergency Diesel Generator	Replace existing starting air and turbo air compressor pressure controllers.
2SC-0927	Steam Generator Blow-down	Remove present GB186 valves.

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS
REPORT MONTH November

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: December 10, 1983
COMPLETED BY: L.K. Miller
TELEPHONE: 609/339-4455

DCR NO.	10CFR 50.59	SAFETY EVALUATION

2EC-0650 The installation of this DCR will improve steam generator water chemistry and will actually decrease the effluent discharge to both the river and the atmosphere. No unreviewed safety or environmental questions are involved.

2EC-0719 The installation of this DCR does not result in any reviewed safety or environmental questions.

2EC-0734 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-1129 This design change improves the system reliability of the feedwater system. No unreviewed safety or environmental questions are involved.

2EC-1131 This design change improves the system reliability. The logic functions of the system remain as is. No unreviewed safety or environmental questions are involved.

2EC-1133 This design change is to improve the system reliability. The logic functions of the system remain the same. No unreviewed safety or environmental questions are involved.

2EC-1250 This design improves the reliability of the diesel generator system but does not alter the functional requirements or the Technical Specifications. No unreviewed safety or environmental questions are involved.

2EC-1422 This design change improves the reliability of the effected components but does not alter their function or reliability. No unreviewed safety or environmental questions are involved.

2EC-1633 Implementation of this DCR improves system reliability by correcting potential level indication error due to reference leg heatup and environmental effects on the transmitters. No unreviewed safety or environmental questions are involved.

*DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH November 1983

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

*DCR NO.	10CFR50.59	SAFETY EVALUATION
2EC-1657		The setpoint change to the diesel generator high lube oil temperature warning alarm is within the manufacturers operating parameters. No unreviewed safety or environmental questions are involved.
2EC-1666		Changing the indicator scale does alter the system function and will not effect the safe shutdown of the reactor. No unreviewed safety or environmental questions are involved.
2EC-1669		The reliability of the system is improved by using an environmentally qualified instrument. No unreviewed safety or environmental questions are involved.
2EC-1726		Installation of this DCR does not involve any unreviewed safety or environmental questions.
2SC-0305		This change is not safety related and does not affect any safety related equipment. No unreviewed safety or environmental questions are involved.
2SC-0606		The modification of the oil sight level gauge vent will improve accuracy of the oil level indication. No unreviewed safety or environmental questions are involved.
2SC-0621		Implementation of this design change improves the diesel reliability for startup within 10 seconds, by informing the operators of a low air pressure in the turbo-boost air receivers. No unreviewed safety or environmental questions are involved.
2SC-0655		Implementation of this DCR does not alter the calculations for any presently performed safety analysis. No unreviewed safety or environmental questions are involved.
2SC-0927		The implementation of this DCR does not alter the original design concept of the blowdown system. No unreviewed safety or environmental questions are involved.

*DCR - 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	
931044	MD	2	21 SW 161	
			FAILURE DESCRIPTION:	CONNECT FLANGE WITH HOSE TO RUN SERVICE WATER FOR INSPECTION OF BLOCKAGE OR DEBRIS DURING FLUSHING. 830428
			CORRECTIVE ACTION:	FLUSHED LINE - NO EVIDENCE OF BLOCKAGE OR SHELL FISH. 830428
931050	MD	2	2B DIESEL	
			FAILURE DESCRIPTION:	INSPECT AND CLEAN LUBE OIL AND WATER JACKET COOLERS. 830430
			CORRECTIVE ACTION:	INSPECTED AND CLEANED. INSTALLED NEW O RINGS AND GASKETS. 830512
931167	MD	2	22 SW 24	
			FAILURE DESCRIPTION:	REPAIR VALVE - LINER RIPPED. ALSO INSPECT PIPE FOR CORROSION AND INSPECT BOLTING. 830512
			CORRECTIVE ACTION:	REPLACED VALVE BODY. PD REPLACED VALVE TOP AND OPERATOR. 830512
931210	MD	2	CNTRL RM A/C DAMPERS	
			FAILURE DESCRIPTION:	I/O #200867: LUBE LINE SHAFT BEARINGS WITH 1ØW OIL 2CAA3 - 2CAA4. 830516
			CORRECTIVE ACTION:	OILED LINE SHAFT BEARINGS WITH 1ØW OIL. 830520
931276	MD	2	22 AUX BLDG EXH FAN	
			FAILURE DESCRIPTION:	REPAIR OR REPLACE FLEX BOOT ON EXHAUST SIDE OF FAN. 830522
			CORRECTIVE ACTION:	INSTALLED NEW FLEX BOOT IN 22 AUX BLDG EXHAUST FAN. 830605
931311	MD	2	2C VITAL INVERTER	
			FAILURE DESCRIPTION:	NO VOLTAGE OUTPUT - TROUBLESHOOT AND REPAIR. 830525
			CORRECTIVE ACTION:	REPLACED BAD THYRISTOR, A25X100 FUSES AND TRIGGER INDICATION FUSES. REPLACED CR46 & CR34 THYRISTORS. REENERGIZED INVERTER - OPERATING PROPERLY. 830531

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

SALEM UNIT NO. 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
931342	MD	2	130' AIRLOCK INN DR	
			FAILURE DESCRIPTION:	INNER DOOR LATCH ROLLERS CRACKED. REPLACE 830527
			CORRECTIVE ACTION:	REPLACED ROLLER BEARINGS AND RECHECKED SEALS FOR LEAKAGE (SAT) 830527
931366	MD	2	21 RCDT PMP	
			FAILURE DESCRIPTION:	OPEN AND INSPECT FOR IMPELLER BLOCKAGE. 830601
			CORRECTIVE ACTION:	OPENED PUMP, THERE WAS NO BLOCKAGE - IMPELLER WAS TURNING BACKWARDS. (MOTOR WAS WIRED WRONG) 830609
931608	MD	2	22SW20	
			FAILURE DESCRIPTION:	MOTOR GROUNDED - PULL MOTOR, FLUSH WITH FRESH WATER AND BAKE OUT. 830625
			CORRECTIVE ACTION:	INSTALLED NEW MOTOR 22SW20 LIMITORQUE VALVE. 830710
931611	MD	2	22 RHR PMP MOTOR	
			FAILURE DESCRIPTION:	REMOVE AND REPLACE WITH SPARE MOTOR #22 RHR MOTOR. 830628
			CORRECTIVE ACTION:	REPLACED MOTOR SEALS AND IMPELLER. M-11G DONE UNDER 405P. 830701
931620	MD	2	22SW24	
			FAILURE DESCRIPTION:	REPLACE VALVE DIAPHRAGM. 830627
			CORRECTIVE ACTION:	FOUND TORN DIAPHRAGM AND DETERIORATED RUBBER BODY. REPLACED WITH A NEW BODY AND DIAPHRAGM. 830712
931689	MD	2	24MS11 THRU 15	
			FAILURE DESCRIPTION:	LIFT SET CHECK 830705
			FAILURE DESCRIPTION:	TESTED SAFETIES - 24MS12 42 LBS LOW AT 1066, 24MS13 2 LBS LOW AT 1099. 830707

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
931690	MD	2	23MS11 THRU 15	
			FAILURE DESCRIPTION:	LIFT SET CHECK 830718
			CORRECTIVE ACTION:	SET SAFETIES 23MS11 THRU 15. 23MS14 2 LBS LOW AT 1087, 23MS15 64 LBS LOW AT 995. 830718
931691	MD	2	22MS11 THRU 15	
			FAILURE DESCRIPTION:	LIFT SET CHECK 830705
			CORRECTIVE ACTION:	LIFT SET 22MS11 THRU 15. 22MS14 15 LBS LOW AT 1074. 830706
931692	MD	2	VALVE 21MS13	
			FAILURE DESCRIPTION:	LIFT SET CHECK. 830705
			CORRECTIVE ACTION:	TESTED SAFETIES. 21MS13 LIFTED 3 PSI LOW AT 1099. 830707
931735	MD	2	CONT AIR LOCK EL 130	
			FAILURE DESCRIPTION:	INNER DOOR LATCH ROLLER CRACKED AND SEAL LEAKS. 830708
			CORRECTIVE ACTION:	INSTALLED NEW ROLLER BEARING ON DOOR LATCH AND REPLACED SEAL. 830708
931742	MD	2	VALVE 2CV141	
			FAILURE DESCRIPTION:	VALVE LEAKS THROUGH. 830709
			CORRECTIVE ACTION:	INSTALLED NEW DISC AND RESET RELIEF PRESSURE. 830711
932162	MD	2	VALVE 22SJ39	
			FAILURE DESCRIPTION:	RELIEF VALVE PASSES THROUGH AT 100 PSI. 830412
			CORRECTIVE ACTION:	REBUILT VALVE. 830427

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
932202	MD	2	BREAKER 2AADC CAB	
			FAILURE DESCRIPTION:	CANNOT GET EMERG. FEED TO 2AADC CABINET. 830416
			CORRECTIVE ACTION:	REMOVED SPARE BKR FROM 2CDC24 AND PUT IN POSITION 2AADC. 830417
932233	MD	2	22RHR SUMP PUMP	
			FAILURE DESCRIPTION:	SUMP PUMP WILL NOT START WITH HIGH LEVEL IN SUMP. 830423
			CORRECTIVE ACTION:	INSTALLED NEW CALIBRATED LEVEL DEVICE.
932313	MD	2	VALVE 22CC7	
			FAILURE DESCRIPTION:	VALVE HAS BROKEN HANDWHEEL. 830513
			CORRECTIVE ACTION:	REPLACED STEM AND PLUG ASSY AND INSTALLED NEW HANDWHEEL. REPACKED VALVE. 830616
932781	MD	2	CONT AIR LOCK EL. 100	
			FAILURE DESCRIPTION:	EXTERIOR DOOR CANNOT BE FULLY CLOSED WITH THE HANDLE INSIDE THE AIRLOCK. 830706
			CORRECTIVE ACTION:	REPLACED TWO MITER GEARS ON OUTER DOOR AND ADJUSTED DOOR. 830709
932783	MD	2	VALVE 22MS10	
			FAILURE DESCRIPTION:	VALVE HAS BODY TO BONNET LEAK. 830706
			CORRECTIVE ACTION:	FACED OFF GASKET SEAT SURFACE. REPLACED SEAT RING, STEM, PLUG AND PLUG PIN. 830712
932805	MD	2	21 RCDT PUMP	
			FAILURE DESCRIPTION:	PUMP TRIPS AFTER ABOUT 30 SEC. 830629
			CORRECTIVE ACTION:	REPLACED BURNT MOTOR CAUSED BY MISC DEBRIS IN BOTTOM OF TANK AND LINE. 830703

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
932830	OD	2	22 BAT PUMP	
			FAILURE DESCRIPTION:	PUMP HAS BAD SEAL LEAK. 830625
			CORRECTIVE ACTION:	REPLACED MECHANICAL SEAL. 830708
932844	OD	2	2B 480/240 VIT TRANS	
			FAILURE DESCRIPTION:	INVESTIGATE/REPAIR CAUSE OF FIRE IN TRANSFORMER/OR MORE COILS ARE BURNED. 830620
			CORRECTIVE ACTION:	REMOVED OLD TRANSFORMER. REPLACED WITH SPARE. 830624
932858	OD	2	CONT AIR LOCK EL 100	
			FAILURE DESCRIPTION:	EXTERIOR DOOR HAS BAD SEAL LEAK. 830625
			CORRECTIVE ACTION:	REPLACED SEALS. 830625
932861	OD	2	CONT AIR LOCK EL 130	
			FAILURE DESCRIPTION:	INNER DOOR HAS A SEAL LEAK. 830625
			CORRECTIVE ACTION:	REPLACED DOOR SEAL. 830625
937793	OD	2	24 RC PUMP	
			FAILUE DESCRIPTION:	PUMP TRIPPED WHEN TRYING TO START. 830719
			CORRECTIVE ACTION:	PROBLEM WAS IN LOCKED ROTOR RELAY. RELAY DEPT CORRECTED. TEST SAT. 830720
937802	OD	2	2C EMERG DIESEL	
			FAILURE DESCRIPTION:	LUBE OIL TEMP IS 102 DEG AND HEATER HAS NOT KICKED IN. 830720
			CORRECTIVE ACTION:	RECALIBRATED 2TD-7518 LOTS 1 & 2. ALSO FOUND CONTACTS WIRED WRONG. CORRECTED WIRING. TEMP NOW READING 110 DEG. 830721

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
938533	OD	2	21 BA TRANS PUMP	
			FAILURE DESCRIPTION:	PUMP HAS LEAK AROUND PACKING. 830628
			CORRECTIVE ACTION:	REPLACED MECHANICAL SEAL, SINGLE BEARING, DOUBLE BEARING, OIL SEALS, SHAFT AND IMPELLER. 830701
938577	OD	2	RX TRIP BREAKER B	
			FAILURE DESCRIPTION:	INVESTIGATE/REPAIR RX TRIP BKR B. 830702
			CORRECTIVE ACTION:	FOUND BREAKER TRIPPING FREE IN PLACE. INSTALLED B BYPASS BKR IN B POSITION AND CLOSED SAT. REPLACED LATCH RELAY IN B BKR. RETEST SAT. 830707
938641	OD	2	CONT AIR LOCK EL 100	
			FAILURE DESCRIPTION:	SEAL LEAKING SEVERELY, LOWER LEFT HAND CORNER WHEN LOOKING AT DOOR FROM CONTAINMENT SIDE. 830705
			CORRECTIVE ACTION:	REPLACED INNER SEAL ON INNER DOOR. 830705
939254	MD	2	CONT AIR LOCK EL 100	
			FAILURE DESCRIPTION:	AIR LOCK HAS BROKEN CAM. 830712
			CORRECTIVE ACTION:	REPLACED BROKEN CAM. 830712
944806	OD	2	21 BAST	
			FAILURE DESCRIPTION:	BOTH HEATERS ARE LEAKING AT FLANGE. 801215
			CORRECTIVE ACTION:	REPLACED ONE HEATER AND BOTH HEATER GASKETS. 830510
984877	MD	2	VALVE 23MS15	
			FAILURE DESCRIPTION:	REPLACE SAFETY VALVE AT NEXT REFUELING. 820707
			CORRECTIVE ACTION:	REPLACED VALVE WITH NEW ONE FROM CROSBY. 830203

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
987830	OD	2	VALVE 22MS14	
			FAILURE DESCRIPTION:	SAFETY VALVE APPEARS TO BE LEAKING BY ITS SEAT. 811230
			CORRECTIVE ACTION:	REPLACED VALVE INTERNALS. 830610
987831	OD	2	VALVE 22MS15	
			FAILURE DESCRIPTION:	VALVE APPEARS TO BE LEAKING PAST SEAT. 811230
			CORRECTIVE ACTION:	REPLACED VALVE INTERNALS. 830610
993025		2	CONTAINMENT AIR LOCK	
			FAILURE DESCRIPTION:	INSTALL/REMOVE STRONGBACKS ON 100 AND 130 ELEVATION CONTAINMENT AIR LOCKS FOR LEAK RATE TESTING. 820606
			CORRECTIVE ACTION:	INSTALLED NEW SEALS ON EL 130 INNER DOOR. INSTALLED/REMOVED STRONGBACKS. 830518
931603	MD	2	100' AIRLOCK	
			FAILURE DESCRIPTION:	BALL IS STUCK IN FLOW METER ON EXTERIOR DOOR. ISOLATION VALVES AND BLEED OFF VALVES ARE MISSING. INVESTIGATE AND REPAIR. 830624
			CORRECTIVE ACTION:	CLEANED FLOW TUBE AND BALL CHECKS OK. TUBING AND VALVES INSTALLED AGREE WITH PRINT 240675. 830625
932334	OD	2	PZR LEVEL CH2	
			FAILURE DESCRIPTION:	CHANNEL FAILED LOW. 830516
			CORRECTIVE ACTION:	REPLACED CAPACITORS C2, 3, 4, 6 AND 7 IN ISOLATOR 2LM-460. 830517

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
932381	OD	2	RMS 2R11A	
			FAILURE DESCRIPTION:	CHANNEL IS FAILED. 830427
			CORRECTIVE ACTION:	REPLACED BAD BATTERY PACK IN REMOTE UNIT POWER SUPPLY. INSTALLED NEW AC1A'S IN LOCAL AND REMOTE CONTROLLERS. 830430
932521	IC	2	VALVE 2PS1	
			FAILURE DESCRIPTION:	VALVE LEAKING THROUGH. CHECK FOR PROPER SEATING. 830707
			CORRECTIVE ACTION:	ADJUSTED ZERO ON POSITIONER, VALVE SLIGHTLY OFF SEAT. 830708
932522	IC	2	VALVOP 2PS3	
			FAILURE DESCRIPTION:	VALVE LEAKING THROUGH. CHECK VALVE FOR PROPER SEATING. 830707
			CORRECTIVE ACTION:	ADJUSTED ZERO ON POSITIONER. VALVE SLIGHTLY OFF SEAT. 830708
937797	OD	2	24 RCP BKR RELAYS	
			FAILURE DESCRIPTION:	CHECK RELAYS FOLLOWING RCP TRIP. 830720
			CORRECTIVE ACTION:	PERFORMED SETTING CHECK ON KD-10 & CO-11 LOCKED ROTOR PROTECTION. 830720
938309	OD	2	VALVE 2MS132	
			FAILURE DESCRIPTION:	VALVE ACTUATOR DIAPHRAM APPEARS TO BE BROKEN. 830710
			CORRECTIVE ACTION:	REPLACED BLOWN DIAPHRAM. ADJUSTED OPEN LIMIT SWITCHES. 830710
938320	OD	2	VALVES 2RH1 & 2RH2	
			FAILURE DESCRIPTION:	CHECK INTERLOCK IAW IOP-6. 830712
			CORRECTIVE ACTION:	PERFORMED AUTO ISOLATION INTERLOCK FUNCTIONAL. 830712

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

SALEM UNIT 2

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION	
938374	OD	2	RMS 2R41B	
			FAILURE DESCRIPTION:	CHANNEL HAS SPIKED UP TO 2 EA. 830706
			CORRECTIVE ACTION:	REPLACED POWER SUPPLY DUE TO -15 VDC READING LOW. VERIFIED VOLTAGES AND BOTH TRAINS A AND B TRIPPED SAT. 830706
938701	OD	2	NI CH N-44	
			FAILURE DESCRIPTION:	LOSS OF DETECTOR VOLTAGE. 830705
			CORRECTIVE ACTION:	REPLACED HIGH VOLTAGE POWER SUPPLY S/N11006 WITH S/N904002 AND ADJUSTED. 830706
931309	OD	2	VALVE 2CV5	
			FAILURE DESCRIPTION:	PERFORM 4.0.5 V ON 2CV5 TO VERIFY PROPER OPERATION. 830525
			CORRECTIVE ACTION:	VALVE RESTORED - 4.9 SEC - SAT. 830617

SALEM UNIT 2

OPERATIONS SUMMARY REPORT

NOVEMBER 1983

Unit No. 2 remained shutdown the entire month as repairs to the generator continued. During the repairs, a DC high potential test revealed a ground in the generator stator. The faulty coil was removed and sent to Westinghouse to be repaired and refurbished. During investigation of the ground, five additional stator coils were found to have internal leaks in their hollow conductors. These coils have been shipped to Westinghouse for determination of the cause of failure and subsequent repair.

REFUELING INFORMATION

COMPLETED BY: L.K. Miller

DOCKET NO.: 50-311
UNIT NAME: Salem 2
DATE: December 10, 1983
TELEPHONE: 609/935-6000
EXTENSION: 4455

Month November 1983

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

2. Scheduled date for next refueling: September 29, 1984

3. Scheduled date for restart following refueling: December 8, 1984

4. A) Will Technical Specification changes or other license amendments be required?
   YES _____ NO _____
   NOT DETERMINED TO DATE 12/1/83

   B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
   YES _____ NO X
   If no, when is it scheduled? August 1984

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

PSE&G

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

Salem Generating Station

December 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 November 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
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

IE24
1/1

Enclosures
Page 1 of 19
8-1-7.R4