OPERATING DATA REPORT

Docket No. 50-272
Date Feb. 10, 1983
Telephone 935-6000
Extension 4455

Completed by L. K. Miller

Operating Status

1.	Unit Name	Salem No. 1	Notes
2.	Reporting Period	January 1983	
3.	Licensed Thermal Power (MWt)	3338	
4.	Nameplate Rating (Gross MWe)	1135	
5.	Design Electrical Rating (Net MWe)	1090	
6.	Maximum Dependable Capacity (Gross MWe)	1124	
7.	Maximum Dependable Capacity (Net MWe)	1079	

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) None

10. Reasons for Restrictions, if any N/A

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	744	744	49009
12. No. of Hrs. Reactor was Critical	0	0	27725.2
13. Reactor Reserve Shutdown Hrs.	0	0	973.1
14. Hours Generator On-Line	0	0	26647.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	79170191
17. Gross Elec. Energy Generated (MWH)	0	0	25964850
18. Net Elec. Energy Generated (MWH)	(7565)	(7565)	24587288
19. Unit Service Factor	0	0	54.4
20. Unit Availability Factor	0	0	54.4
21. Unit Capacity Factor (using MDC Net)	0	0	46.5
22. Unit Capacity Factor (using DER Net)	0	0	46.0
23. Unit Forced Outage Rate	0	0	27.9

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: February 17, 1983

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

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
Unit Name Salem # 1
Date Feb.. 10, 1983
Telephone 609-935-6000
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Completed by L. K. Miller

Month December 1982

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
		31	0

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH January 1983

Completed by L.K. Miller

Docket No. 50-272
Unit Name Salem No.1
Date Feb. 10, 1983
Telephone 609-935-6000
Extension 4455

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
83-010	1/1	F	744.0	A	5	---	HC	HT EXCH	Nuclear Closed Cooling Heat Exchanger
83-012	1/31	F	42.5	A	5	---	CB	PUMPXX	12 R.C.P. Replacement

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 JANUARY 1983

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: FEBRUARY 10, 1983
COMPLETED BY: L. K. MILLER
TELEPHONE: 609-935-6000 X 4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1ET-1191	Fresh Water/Fire Protection	Revise the control for the No. 5 Production Well Pump such that operation will be controlled by the level in the Fresh/Fire Protection Water Storage Tank.
1EC-1200	Safeguard Equipment Control	Install line filters, replace obsolete man-6 control panel displays, modify auto-test feature, provide verification of fan coil unit low speed start feature, add noise reduction as required.
1EC-1409	115 Volt AC E-153	Modify the 230V AC power feeds to the vital instrument inverters and the essential controls inverters.
1EC-1421	E154 Vital Instrument and Essential Controls Inverter	Install circuit breakers and line filters in the inverter cooling fan circuits.
1EC-1436	Main Steam	Replace the steam trap (M131) down stream of valve 1MS907 in the auxiliary feedwater sump turbine area by new restricting orifice of .03 inches diameter hole.
1EC-1499	RMS	Revise RMS channel 1R16 alarm setpoint from 500,000 CPM to 10,000 CPM.
1EC-1527	Reactor Coolant	Replacement of the reactor coolant hot leg and cold leg wide range RTD's.
1SC-0682	Electro-Hydraulic Control Oil System	Replace tubing on EH system with heavy wall SS piping.
1SC-0502	Steam Generator Feedwater System	Replace 11A&B/12A&B steam generator feed pump turbine lube oil coolers with plate type heat exchangers of alternate material.
1SC-0812	Penetrations (Elect.)	Install drains in electrical penetration cannister termination boxes in containment.
1SC-0824	Emergency Diesel Generator	Relocate the generator field flashing resistors.
1SC-0842	Emergency Control Air Compressor	Retube inner cooler and after cooler with material available on site. CA-687 ASTM SB-111.
1PD-0170	Control Room Air Conditioning	Replace Control Room intake duct isolation switches.

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS
REPORT MONTH JANUARY 1983

DOCKET NO.: 50-272
UNIT NAME: SALEM 1
DATE: FEBRUARY 10, 1983
COMPLETED BY: L. K. MILLER
TELEPHONE: 609-935-6000 X 4455

*DCR NO.	10CFR50.59 SAFETY EVALUATION
1ET-1191	This design change does not affect any existing safety analysis or the safe shutdown of the plant reactor.
1EC-1200	This change (1) adds power supply filtration to improve noise immunity and (2) replaces a light emitting diode (LED) which is no longer manufactured. This change does not modify function and improves reliability. There is no unreviewed safety question involved.
1EC-1409	This design change meets the requirements of safety guide number 6 for emergency transfer of uninterruptable power supply feeds. This design change increases plant safety and availability by allowing automatic transfer of vital bus loads in the event of a vital bus inverter failure.
1EC-1421	This design change request improves the reliability but does not affect the function or performance of the equipment it modifies. Failure of the components added per this design change request may cause loss of forced air cooling to the vital and essential controls inverters. Since these inverters were designed to operate without forced air cooling, a safety related function will not be compromised by loss of forced air cooling.
1EC-1436	The installation of a restricting orifice will not affect in any way the basic function of the system. This is not a change to the FSAR and no unreviewed safety question is involved.
1EC-1499	The existing RMS channel 1R16 (Plant Stack) alarm setpoint does not allow sufficient time for the operator to determine the source of radiation and take the necessary corrective action before the technical specifications limits are replaced. The new setpoint will give the operator the required time. The setpoint change does not affect any safety related equipment and does not require any additional safety analysis to be performed.
1EC-1527	The design change involves a direct replacement of existing equipment. The system will not change functionally.
1SC-0682	This design change replaces E-H control tubing with S.S. pipe to eliminate forced outages due to tubing failures. This change will not affect the operation of the E-H control system or any safety related equipment.
1SC-0502	This change does not affect the FSAR or technical specification or any other regulatory requirements. Thus, an unreviewed safety question is not involved.

* DESIGN CHANGE REQUEST

MAJOR PLANT MODIFICATIONS
REPORT MONTH JANUARY 1983

DOCKET NO.: 50-272
UNIT NAME: SALEM 1
DATE: FEBRUARY 10, 1983
COMPLETED BY: L. K. MILLER
TELEPHONE: 609-935-6000 X 4455

*DCR NO.	10CFR50.59 SAFETY EVALUATION
1SC-0812	This change will prevent the accumulation of water in electrical penetration terminal boxes located inside the containment. Modifications to the 5KV terminal boxes will prevent direct impingment or accumulation of water on the porcelin insulators. Modification to the 460V and control boxes will allow for the drainage of water. Terminations inside these canisters are covered with raychem shrink tube which is suitable for loca and post loca duty. No unreviewed safety question is involved.
1SC-0824	This design change request does not involve an unreviewed safety question. The resistors are being physically moved, but no change is made on their function. This move doesn't constitute a new hazard not previously analyzed.
1SC-0842	The retubed bundle replacement will make the emergency control air compressor more reliable. There is no unreviewed safety question involved.
1ED-0170	No unreviewed safety question is involved since the equipment performs the same function and meets all applicable requirements.

* DESIGN CHANGE REQUEST

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
900241	M	VALVE,11SI48	
		DESCRIPTION OF PROBLEM,	DURING LIFT SET TEST, VALVE LIFTS AT 600 PSI AS REQUIRED BUT WOULD SLOWLY LEAK BACK UNTIL SETTLING OUT AT 400 PSI.
		CORRECTIVE ACTION,	REPLACED DISC, BELLOWS, NOZZLE AND GASKETS
902311	M	VALVE,11AF11	
		DESCRIPTION OF PROBLEM,	OPEN VALVE AND INSPECT INTERNALS. REWORK OR REPLACE PARTS AS NECESSARY.
		CORRECTIVE ACTION,	REPLACED PLUG AND REPACKED.
905622	M	FILTER,1G SW TRAV SCREEN	
		DESCRIPTION OF PROBLEM,	PULL AND INSPECT.
		CORRECTIVE ACTION,	REBUILT TRAVELING SCREEN.
908698	M	VALVE,11MS168	
		DESCRIPTION OF PROBLEM,	DISASSEMBLE VALVE, INSPECT STEM AND GLAND RECORD GLAND ID AND STEM OD.
		CORRECTIVE ACTION,	LAPPED BODY TO BONNET SEAT. REPLACED GASKET AND REPACKED
908699	M	VALVE,12MS168	
		DESCRIPTION OF PROBLEM,	DISASSEMBLE VALVE. INSPECT STEM AND GLAND RECORD GLAND ID AND STEM OD. 820910
		CORRECTIVE ACTION,	RELAPPED BODY TO BONNET SEAT, REPLACED GASKET AND REPACKED. 821030

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
90A700	M	VALVE,13MS168	
		DESCRIPTION OF PROBLEM,	DISASSEMBLE VALVE. INSPECT STEM AND GLAND. RECORD GLAND ID AND STEM OD. 820910
		CORRECTIVE ACTION,	RELAPPED BODY TO BONNET SEAT. REPLACED GASKET AND REPACKED. 821030
90A701	M	VALVE,14MS168	
		DESCRIPTION OF PROBLEM,	DISSASEMBLE VALVE. INSPECT STEM AND GLAND. RECORD ID AND OD. 820910
		CORRECTIVE ACTION,	REPLACED STEM, SEAT RING AND REPACKED. 821108
90A767	M	FILTERS,12 FHR EXHAUST	
		DESCRIPTION OF PROBLEM,	REPLACE CHARCOAL FILTERS. 821109
		CORRECTIVE ACTION,	REPLACED 60 CHARCOAL FILTERS. 821112
909269	M	HTEXCH,11 CC	
		DESCRIPTION OF PROBLEM,	PERFORM PT ON PASS PARTITION PLATE WELDS. 821018
		CORRECTIVE ACTION,	RELZONA REMOVED FROM REQUIRED AREAS. WELD METAL USED TO BUILD UP ERRODED AREAS AND RELZONA REAPPLIED WITH BETTER ADHESION TO BASE METAL.
909419	M	PUMP,12 RC	

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION		EXPLANATION OF WORK PERFORMED
			DESCRIPTION OF PROBLEM,	PERFORM 10 YEAR FLYWHEEL INSPECTION. WILL BE COMBINATION OF UT, PT, AND MT EXAMS.
			CORRECTIVE ACTION,	FLYWHEEL FOUND ACCEPTABLE. RESULTS WILL BE INCLUDED IN SWRI OUTAGE SUBMITTLE. 821210
909940	M	PUMP,13 RC		
			DESCRIPTION OF PROBLEM,	PUMP BEARING INSULATION TEST. 821207
			CORRECTIVE ACTION,	READ 10K OHMS. 821222
909941	M	PUMP,14 RC		
			DESCRIPTION OF PROBLEM,	BEARING INSULATION TEST. 821207
			CORRECTIVE ACTION,	READ 60K OHMS. 821221
916922	M	VALVE,11WG9		
			DESCRIPTION OF PROBLEM,	COMPRESSOR FAILED TO FUNCTION WITH NO APPARENT PROBLEM. DISMANTLE COMPRESSOR SUCTION VALVE AND CHECK FOR BLOCKAGE OR VALVE STEM/SEAT SEPARATION.
			CORRECTIVE ACTION,	REPLACED VALVE DIAPHRAM. LINE CLEAR.
916924	M	VALVE,11WG11		
			DESCRIPTION OF PROBLEM,	COMPRESSOR WON'T FUNCTION. DISMANTLE SUCTION CHECK VALVE AND CHECK FOR BLOCKAGE AND PROPER OPERATION. 821009
			CORRECTIVE ACTION,	FOUND CHECK VALVE IN SIDEWAYS. ASSEMBLED VALVE WITH CHECK IN UPRIGHT POSITION. 821130

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
917898	M	EMERG DIESEL,1B	
		DESCRIPTION OF PROBLEM,	DURING WEEKLY SP(O)405-P, HIGH LUBE OIL TEMP ALARM WAS RECIEVED. IT APPEARS THE THREE WAY VALVE NOT OPERATING PROPERLY.
		CORRECTIVE ACTION,	REMOVED TEMP PROBE AND CHECKED CALIBRATION AND SWITCH SETPOINTS. OPERATING SAT.
919834	M	PUMP,12 BAT	
		DESCRIPTION OF PROBLEM,	INSUFFICIENT FLOW TO PASS T/S OPERABILITY TEST.
		CORRECTIVE ACTION,	WORN SHAFT SEAL. SHAFT ALSO WORN IN SEAL AREA. ALIGNED PUMP AND REPLACED SEAL.
919863	M	EMERG DIESEL,2C	
		DESCRIPTION OF PROBLEM,	23 LUBE OIL HEATER STAYS ON CONSTANTLY, WILL NOT SHUT OFF ON HIGH TEMP LIMIT. A21117
		CORRECTIVE ACTION,	INSTALLED NEW CALIBRATED HEATER CUTOFF SWITCH. A21118
919867	M	PUMP,REFUELING WATER PURIFICATION	
		DESCRIPTION OF PROBLEM,	INBOARD SEAL LEAKING. A21119
		CORRECTIVE ACTION,	REPLACED SHAFT BEARINGS, OIL SEALS AND MECHANICAL SEALS. A21124

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
921429	M	PUMP,21 CHILLER COND RECIRC	
		DESCRIPTION OF PROBLEM,	PUMP BEARING SEEMS TO BE BURNT AS DETERMINED BY CONDITION OF OIL. A21113
		CORRECTIVE ACTION,	REPLACED MECHANICAL SEAL. CLEANED OUT OLD OIL, WASHED OUT BEARING AND RE-ASSEMBLED. A21114
985752	M	1C VENTILATION 230 VITAL CONTROL CENTER	
		DESCRIPTION OF PROBLEM,	CHECK PROPER PHASING OF CABLE PER TDN-242 OF 1EC-1181. A21022 TR 82-380
		CORRECTIVE ACTION,	MEGGERED ALL PHASES, READ .000MEG. CHECKED ROTATION CORRECT. A21027
200003	O	FUEL ASSY D-20	
		DESCRIPTION OF PROBLEM,	VIDIO INSPECTION OF REMOVED FUEL ASSEMBLY D-20 REVEALED CLADDING RUPTURE. A21121 TR 82-427 LER 82-090
		CORRECTIVE ACTION,	ASSEMBLY PLACED IN SPENT FUEL PIT. A21121
200004	O	AFD	
		DESCRIPTION OF PROBLEM,	DELTA T WENT OUT OF TARGET BAND DUE TO RAPID LOAD REDUCTION. A20803
		CORRECTIVE ACTION,	13A CIRCULATOR TRIPPED ON HIGH SCREEN DIFF WITH 12B AND 13B ALREADY OUT. REDUCED POWE AND BORATED RODS OUT. A20803

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
200005	P	PZR LEVEL CH 3	
		DESCRIPTION OF PROBLEM,	CHANNEL READING HIGH. A20812 IR 82-232 LER 82-063
		CORRECTIVE ACTION,	REPLACED LEVEL TRANSMITTER. A20827
200006	P	NIS CH N-42	
		DESCRIPTION OF PROBLEM,	DPTR CALCULATION FOR N-42 BOTTOM DETECTOR WAS GREATER THAN 1.02. 820906 IR 82-254
		CORRECTIVE ACTION,	FAULTY MILI-AMP DETECTOR SWITCH ON N-42 B DRAWER. BYPASSED SWITCH AND RE-CALIBRATED DPTR. A20906
200007	P	CONT FAN COIL UNIT 15	
		DESCRIPTION OF PROBLEM,	SERVICE WATER FLOW INDICATION ERRATIC. A21002 IR 82-325 LER 82-077
		CORRECTIVE ACTION,	BLEW DOWN SENSING LINES. A21002
907248	P	VALVOP,1CV79	
		DESCRIPTION OF PROBLEM,	AIR LEAKS FROM VALVE ACTUATOR.
		CORRECTIVE ACTION,	REPLACED RUPTURED DIAPHRAM.
917891	P	VALVEOP,12SW49	
		DESCRIPTION OF PROBLEM,	WHILE PERFORMING T/S SURVEILLANCE, VALVE WAS FOUND CLOSED AT SERVICE WATER PRESSURE OF 165 PSIG. SHOULD BE OPEN AT 150 PSIG.

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION		EXPLANATION OF WORK PERFORMED
				821126
			CORRECTIVE ACTION,	FOUND XMTR NOT RESPONDING TO CHANGING PRESSURE. REPAIRED AND RECALIBRATED TRANSMITTER. 821130
919603	P	VALVOP,1PR14		
			DESCRIPTION OF PROBLEM,	REPLACE DIAPHRAM. 821116
			CORRECTIVE ACTION,	REPLACED DIAPHRAM AND STROKED VALVE. 821116
919877	P	S/G STM FLOW CH2,14		
			DESCRIPTION OF PROBLEM,	CHANNEL OUT OF CAL. IR-82-469
			CORRECTIVE ACTION,	REPLACED SQUARE ROOT EXTRACTOR 1FM-543C. RECALIBRATED CHANNEL.
921451	P	RMS,1R12B		
			DESCRIPTION OF PROBLEM,	CHANNEL FAILED. 821026 IR 82-463
			CORRECTIVE ACTION,	RESET CHANNEL. SHIELD WIRING AND CLEANED UNIT. TESTED SAT. 821117
991078	P	VALVES,1SS48,27&103		
			DESCRIPTION OF PROBLEM,	CHECK STROKE OF VALVES FOR TYPE C LEAK RATE TEST. 821026 IR 82-390
			CORRECTIVE ACTION,	VERIFIED VALVES SEATING CORRECTLY. 821027
991204	P	ALARM,DELTA T DEVIATION		

SORTED BY
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

0008

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		DESCRIPTION OF PROBLEM,	VERIFY OPERATION OF 1TC-421K/J. 820923 IR 82-302
		CORRECTIVE ACTION,	REPLACED BLOWN FUSE OUTPUT 2. COMPARATOR CHECKS OK. 821006

TOTAL LINES = 000155
TOTAL A-RECS = 000032

LAST UPDATE
830114
073929
ENTER COMMANDS
END OF RUN

$BRKPT PRINT$

REFUELING INFORMATION

Docket No. 50-272
Unit Name Salem #1
Date Feb. 10, 1983
Telephone 609-935-6000
Extension 4455

Completed by L. K. Miller

Month January 1983

1. Refueling information has changed from last month:

   YES _____ NO X

2. Scheduled date of next refueling: December 31, 1983

3. Scheduled date for restart following refueling: March 11, 1984

4. A. Will Technical Specification changes or other license amendments be required?

   YES _____ NO _____

   NOT DETERMINED TO DATE 2/01/83

   B. Has the reload fuel design been reveiwed by the Station Operating Review Committee? YES _____ NO X
   If no, when is it scheduled? December 1983

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

   December 1983, if required

6. Important licensing considerations associated with refueling:

   NONE

7. Number of Fuel Assemblies:

   A. Incore 193

   B. In Spent Fuel Storage 212

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 1996