AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-272
UNIT	Salem #1
DATE _	June 10, 1981
COMPLETED BY	L.K. Miller
TELEPHONE	609-365-7000
가게 되었다. 그 아이는 아이는 아이는 사람들이 아이는 사람이 아니는 아이를 다 되었다.	X507

AY AVER	AGE DAILY POWER LEVEL	DAY AVER	AGE DAILY POWER LEVEL
	(MWe-NET)		(MVE-NET)
	1047	17	1061
	1049	18	1064
	1052		1065
	1037	20	29
;	997		0
,	1038		679
	1036	23	1077
	1045	24	950
	1044	25	697
	1056		0
	1084	27	0
	1051	28	0
	1062	29	0
	1071	30	0
	1067	31	0
	1060		

Pg. 2 of 19 8.1-7.R1

OPERATING DATA REPORT

DATE: June 10, 1981 COMPLETED BY: L.K. Miller TELEPHONE: 609-365-7000 X507

OPERATING STATUS

1. 2. 3. 4. 5. 6. 7. 8.	Maximum Dependable Capacity (Net Mile): If Changes Occur in Capacity Ratings (Items	NAME.				
	Power Level To Which Restricted, If Any (Net Reasons For Restrictions, If Any: N/A					
		This Month	Year to Date	Cimilative		
1.	Hours In Reporting Period	744	3,623	34,368		
2.	Number Of Hours Reactor Was Critical	564.3	2,524.4	18,953.4		
3.	Reactor Reserve Shutdown Hours	151.3	833.5	856.2		
4.	Hours Generator On-Line	548.3	2,426.3	18,035.5		
5.	Unit Reserve Shutdown Hours.	0,0	0.0	0.0		
6.	Gross Thermal Energ. Generated (MWH)	1,768,481	7.438.455	53,345,682,8		
7.	Gross Electrical Energy Generated (MWH)	587,050	2,489,500	17,635,220		
8.	Net Electrical Energy Generated (MWH)	559,741	2,369,679	16,678,502		
9.	Unit Service Factor	73.7	67.0	52.5		
10.	it Availability Factor	73.7	67.0	52.5		
1.	Init Capacity Factor (Using MDC Net)	69.7	60.6	45.0		
22.	Onit Capacity Factor (Using DER Net)	69.0	60.0	44.5		
	Shutdowns Scheduled Over Next 6 Months (Type Refueling, 10/31/81, 8 Weeks	26.3 e, Date, and Duration of 1	30.8 Each):	34.8		
26. 9- 1-	If Shut Down At End of Report Period, Estima Units In Test Status (Prior to Commercial Open INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION		Forecast 09/30/76	Achieved 12/11/76 12/25/76 06/30/77		

UNIT SHATTOWNS AND POWER REDUCTIONS

REPORT MONTH May 1981

DOCKET NO .: 50-272

Salem #1 UNIT NAME:

> June 10, 1981 DATE:

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

NO.	DATE	TABE	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT	SYSTEM CODE	COME	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
81 -077	5/5/81	F	0.0	A	5		HF	FILTER	#13 B Traveling Screen Jammed
81-079	5/5/81	F	0.0	A	5		HF	FILTER	Clean #13B Traveling Screens
81-081	5/6/81	F	0.0	A	5		HF	нтехсн	Clean #13B Condenser
81-083	5/6/81	F	0.0	Α	5		HF	FILTER	Clean #12A Traveling Screens
81-085	5/8/81	F	0.0	A	5		HF	FILTER	Clean #13A Traveling Screens
81-087	5/20/81	F	0.0	A	5		нн	PUMPXX	Clean #12 Condensate Pump
81-089	5/20/81	F	28.0	A	1		ZZ	ZZZZZZ	Low Pressure Service Water
81-092	5/21/81	F	16.3	Н	3		ED	CKTBRK	Maintenance Error (Grounded Vital Bus)
81-094	5/22/81	F	0.0	A	5		СН	VALVOP	#12 Feed Pump Recirculating Valve
81-095	5/22/81	F	0.0	· A	5		HF	FILTER	Clean #11B Traveling Screen

rt Forced

S: Scheduled

A-Equipment Failure (Explain)

B-Maintenance or Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Examination F-Administrative

G-Operational Error (Explain)

H-Other (Explain)

Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Continuation of Previous Outage

5-Load Reduction

9-Other

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NURHG-0161)

Exhibit 1-Same Source

UNIT SHUTTOWNS AND POWER REDUCTIONE.

натем ман 1981

COMPLETED BY: L.K. Miller
TELEPHONE: 609-365-7000 X507 DOCKET NO.: 50-272 UNIT NAME: Salem #1

CAISE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	High Turbine Vibration		
ODEO	TURBIN		
SYSTEM	НА		
LICSISE ENENT REVIOL	1		•
METHOD OF SHUTTING DOWN FEACTOR	1		
REASON ²	Ą		
DURATION (HOURS)	151.4		
тире	[24		
ан	5/25/81		
ż	81-096		

MAJOR PLANT MODIFICATIONS REPORT MONTH May 1981

DOCKET NO: 50-272

UNIT NAME: Salem 1

DATE: June 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1ED-0350, Pack. 3	Waste Evaporator	Remove Old Waste Evaporator
1ET-0567	Waste Disposal Liquid	Install Temporary Timers
1EC-0663	Fire Protection	Fire F otection Remote Shutdown Capability (Panel 213)
1EC-0687	Computer System	Install Tagging Request and Inquiry System (TRIS) Computer
1EC-0722	Reactor Coolant	Felocate Wide Range Reactor Coolant Pressure Transmitters PT403 & PT405
1EC-0740	Annunciator	Modify Existing Annunciators
1EC-0797	Steam Generators	Replace Existing Triumph Transmitter with Rosemount
1EC-0846	Charging System	Provide Removable Spool Pieces in 3/4" Ø Spools
1ET-1147	Steam Generator	Change Level Demand Signal to Operate both the BF19 and BF40
1EC-1217	Hot Shutdown Inverter	Modify Inverter Power Supply
1MD-0089	House Heating Boiler	Install Mechanical Seals in House Heating Boiler Booster Feed Pump
 1sc-0108	Boric Acid Recovery	Install Pressure Switches
1SC-0185	Waste Disposal Liquid	Increase the Size of the Valve From 3/4" to 2"
1SC-0321	Main Steam	Upgrade Valve Cable on MS167
1SC-0341	Emergency Diesel Generators	Change Setpoint of Switch No. 2
1SC-0524	Spent Fuel Pit	Inspect and Weld Repair No. 1 Spent Fuel Pit
1sc-0527	Steam Generator Feed	Modify Connection of Miscellaneous Condensate System
1SS-0016	Gas Cylinder Supply	Provide Exterior Storage

^{*} DESIGN CHANGE REQUEST 8-1-7.R1 Page 6 of 19

MAJOR PLANT MODIFICATIONS REPORT MONTH May 1981

DOCKET NO.: 50-272

UNIT NAME: Salem #1

DATE: June 10, 1981
COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
lED-0350A	This design change in not safety related and does not in any way affect any safety related systems or the safe shut down of the unit.
1ET-0567	This design change is not safety related and does not affect any safety related system or the safe shut down of the unit.
1EC-0663	The new equipment to be added will not adversely affect existing safety equipment or invalidate existing safety analyses. The equipment is needed to augment safe shutdown capability as a result of a fire in the relay room per NRC requirements.
1EC-0687	This installation does not involve an unreviewed safety question. A Tech. Spec. or SAR does not apply to the installation of this computer.
1EC-0722	The structural supports provided for high energy break protection for control panels 797-1B and 297-1B with associated trays and cables does not require a change to the SAR or Technician Specifications or present an unreviewed safety question. This does not involve a change in the fire hazards to the station.
1EC-0740	This change is not safety related and does not affect safety related equipment.
1EC-0797	This change is not safety related and does not affect safety related equipment. This is only a replacement of existing equipment.
1EC-0846	The addition of break flanges to the two 3/4" lines from the #1 letdown heat exchanger head does not alter the original design of the CVC system in any way. Thus, this DCR does not present an unreviewed safety question.
1ET-1147	This change involves the automating of control functions which are now done manually to eliminate spurious reactor trips at low loads during start up. This change does not affect existing protection system function (feedwater isolation).
1EC-1217	This change improves the operation of a non-safety grade component without altering its function. No USQ is involved.
1MD-0089	Inst 'ling mechanical seals on the No.1 and No.2 heating boiler booster pumps does not pose an unreviewed safety question as there are no safety related systems or functions that will be affected.
	Page 7 of 19

MAJOR PLANT MODIFICATIONS
REPORT MONTH May 1981

DOCKET NO.:

UNIT NAME: Salem #1

DATE: June 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
1SC-0108	This design change is not safety related and does not affect any safety related systems or the safe shut down of the unit.
1SC-0185	This DCR does not present an unreviewed safety question and does not in any way affect the safe shutdown of the plant.
1SC-0321	This change does not involve an unreviewed safety question. The size of the cable conductor is the same as the original design. The new cable insulation has a higher temperature rating, therefore it will not age as rapid as the original cable insulation.
1SC-0341	This design change involves the change of setpoint for IA, IB and IC Diesel Generator tachometer switch #2's form 550 rpm to 500 rpm. It is to accommodate the available range of the switch. It does not alter or change either athe functional requirements or the technical specifications.
1SC-0524	Implementation of this DCR will not affect the structural integrity of any safety related structure or inhibit safe shutdown of the NSSS equipment.
1SC-0527	This design change request is aimed in improving the quality of the condensate and feedwater system, by tapping the miscellaneous condensate system downstream of condensate polisher system. No safety related system is involved.
lss-0016	This design change does not affect safety related systems, nor does it affect the safe shutdown of NSSS equipment.
	Page 8 of 19

SALEM GENERATING STATION SAFETY RELATED EQUIPMENT WORK ORDER LOG UNIT I - MAY

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
009075	MD	Valve, 1PS2	Description of Problem - Valve stem broken Corrective Action Taken - Replaced valve stem
900247	MD	Valve, 11SJ44	Description of Problem - Replaced grease in limitorque operator per NRC Bulletin 79-03
			Corrective Action Taken - Replaced grease
912752	MD	Valve, 11SW:53	Description of Problem - Repair patched pipe downstream of valve Corrective Action Taken - Repaired pipe
916049	MD	Valve, 12SJ44	Description of Problem - Replaced grease in limitorque operator per NRC Bulletin 79-03
			Corrective Action Taken - Replaced grease
920552	MD	Valve, 11MS14	Description of Problem - Valve blowing thru Corrective Action Taken - Lapped valve disc and seat
920980	MD	Incore Detector System	Description of Problem - Clean all incore Detector Thimbles Corrective Action Taken - Cleaned all Thimbles
928642	MD	Valve, 14MS10	Description of Problem - Valve leaking thru Corrective Action Taken - Lapped valve and repacked

DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
MD	No. 11 Component Cooling Heat Exchanger	Description of Problem - Inspect and repair as required Corrective Action Taken - Inspected and repaired heat exchanger
MD		Description of Problem - Repair stem block
No	valve, 12holo	Corrective Action Taken - Welded and retapped stem block
MD	No. 11 Auxiliary Building Exhaust fan inlet	Description of Problem - Damper will not open fully
	Damper, 1ABV-1	Corrective Action Taken - Lubricated Pivot Points
MD	Valve, 12CU108	Decription of Problem - Repack Valve
		Corrective Action Taken - Valve repack
MD	Containment Airlock	Description of Problem - Excessive seal leakage
		Corrective Action Taken - Repaired outer door seal with sealant
MD	No. 13 Charging pump	Description of Problem - Excessive seal leakage
		Corrective Action Taken - Repacked No. 4 cylinder, replaced plunder
MD	No. 16 Service Water	Description of Problem - High Temperature on upper motor bearing
	Pump	Corrective Action Taken - Removed blockage from cooling line
	MD MD MD MD	MD No. 11 Component Cooling Heat Exchanger MD Valve, 12MS10 MD No. 11 Auxiliary Building Exhaust fan inlet Damper, 1ABV-1 MD Valve, 12CU108 MD Containment Airlock MD No. 13 Charging pump MD No. 16 Service Water

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
938540	MD	No. 16 Service Water Pump	Description of Problem - High Temperature on upper motor bearing Corrective Action Taken - Replaced supply valve 16SWl1
938575	MD	No. 16 Service Water Pump Strainer	Description of Problem - Strainer has continuous backwash Corrective Action Taken - Replaced strainer
938580	MD	No. 13 Charging Pump	Description of Problem - Suction line Flange leak Corrective Action Taken - Tightened Flange
938589	MD	No. 12 Service Water Pump Strainer	Description of Problem - Upper hand hole cover leaking Corrective Action Taken - Replaced Gasket
939652	MD	No. 12B Diesel-Strainer Air Receiver	Description of Problem - Bottom blowdown valve leaking Corrective Action Taken - Lapped valve seat and replaced stem
941955	MD	Snubber 1P-BS-SN-102	Description of Problem - Failed stroke test Corrective Action Taken - Replaced Snubber
941956	MD	Snubber 1P-BD-SN-101	Description of Problem - Failed stroke test Corrective Action Taken - Replaced Snubber
942015	MD	Snubber 1P-BD-SN-102	Description of Problem - Attachment is loose Corrective Action Taken - Installed new strap

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
942230	MD	Valve, 1SJ12	Description of Problem - Packing leak
			Corrective Action Taken - Repacked
942232	MD	Valve, 12SJ16	Description of Problem - Facking leak
			Corrective Action Taken - Repacked
942235	MD	Valve, 1CU69	Description of Problem - Packing leak
			Corrective Action Taken - Repacked
942803	MD	Valve, 13MS167	Description of Problem - Valve drifted open
			Corrective Action Taken - Rerammed packing
943154	MD	Valve, 13MS10	Description of Problem - Leaks thru
			Corrective Action Taken - Lapped seat and disc
943156	MD	Valve, 11MS13	Description of Problem - Leaks thru
			Corrective Action Taken - Lapped seat and disc
943809	MD	Valve, 1CU285	Description of Problem - Leaks thru
			Corrective Action Taken - Welded new nipple on valve
944390	MD	No. 12 Service Water	Description of Problem - Pressure sensing line leak
		Header	Corrective Action Taken - Replaced sensing line

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
943828	MD	Valve, 1CC113	Description of Problem - Both open and closed indication energized Corrective Action Taken - Cleaned limit switch
943901	MD	Valve, 13SS93	Description of Problem - Ground condition on power supply cabinet
			Corrective Action Taken - Installed new limit switch on valve
943906	MD	No. 12 Service Water	Description of Problem - Instrument tap broke loose
		Header	Corrective Action Taken - Replaced 3/4" spool piece
943945	MD	No. 11 Service Water	Description of Problem - Local controller broken
		Pump Traveling Screen	Corrective Action Taken - Repaired controller
944391	MD	No. 12 Service Water	Description of Problem - Heat tape burned out
		Header	Corrective Action Taken - Replaced heat tape
944402	MD	Valve, 16SW24	Description of Problem - Diaphram leaking
			Corrective Action Taken - Replaced diaphram
944432	MD	No. 12 Waste Gas	Description of Problem - Running noisey
		Compressor	Corrective Action Taken - Replaced mechanical seal and impeller
944682	MD	Valve, 14MS171	Description of Problem - Leaks thru
			Corrective Action Taken - Lapped seat and plug

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
944993	MD	Valve, 11SJ138	Description of Problem - Packing leak
			Corrective Action Taken - Repacked
945003	MD	230U Cable 1C84-C	Description of Problem - Cable damaged
			Corrective Action Taken - Replaced cable
947293	MD	Valve, 1SW915	Description of Problem - leaks thru
			Corrective Action Taken - Replaced valve
947294	MD	No. 13 Service Water	Description of Problem - Screen jammed
		Pump Traveling Screen	Corrective Action Taken - Unjammed screen, replaced shear pin
947296	MD	No. 12 Service Water	Description of Problem - Shear pin broken
		Pump Strainer	Corrective Action Taken - Replaced shear key
947308	MD	Containment Hatch	Description of Problem - Will not close
			Corrective Action Taken - Replaced rollers
947364	MD	No. 12 Service Water	Description of Problem - Runs only in one speed
		Pump Traveling Screen	Corrective Action Taken - Cleared sensing line to PD2732
947373	MD	No. 12 Boric Acid	Description of Problem - Oil leak
		Transfer Pump	Corrective Action Taken - Tightened casing bolts

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
947466	MD	No. 14 Fan Coil Unit	Description of Problem - Replace fifth coil
			Corrective Action Taken - Replaced fifth Coil
947869	MD	Valve, 12MS169	Description of Problem - Leaks thru
			Corrective Action Taken - Installed new gasket set
947876	MD	Valve, 13MS175	Description of Problem - Leaks thru
			Corrective Action Taken - Replaced valve
947880	MD	Valve, 11MS18	Description of Problem - Packing leak
			Corrective Action Taken - Repacked
947883	MD	Valve, 11MS15	Description of Problem - Leaks thru
			Corrective Action Taken - Lapped valve
947930	MD	No. 12 Auxiliary Building	Description of Problem - Trips on overload
		Supply Fan	Corrective Action Taken - Replaced 28VDC operate/reset relay
947999	MD	Valve, 11MS7	Description of Problem - Bonnet leak
			Corrective Action Taken - Replaced bonnet gasket
948121	MD	Spare Safeguards	Description of Problem - Troubleshoot
		Equipment Controller	Corrective Action Taken - Repaired time cards

WORK OEDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
928356	PD	No. 13 Diesel	Description of Problem - No speed indication
			Corrective Action Taken - Reversed meter leads
928369	PD	Turbine Impulse	Description of Problem - Channel I unstable
		Pressure	Corrective Action Taken - Replaced defective comparator
928391	PD	No. 13 S/G Feedwater	Description of Problem - Channel out of calibration
		Flow Channel	Corrective Action Taken - Replaced defecive square root extractor
928424	PD	Nuclear Instrumentation	Description of Problem - 1N43 indicating high on recorder
			Corrective Action Taken - Repaired over power recorded
932610	PD	Refueling Water	Description of Problem - Level not correct
		Storage Tank	Corrective Action Taken - Replaced defective comparator
938459	PD	Radiation Monitor	Description of Problem - 1R17A alarming with no activity
			Corrective Action Taken - Increased shielding around detector
938495	PD	No. 12 Fan Coil Unit	Description of Problem - Water flow trouble alarm will not clear
			Corrective Action Taken - Changed annunciator card C-10
938497	PD	Valve, 11MS10	Description of Problem - Blowing thru
			Corrective Action Taken - Recalibrated E/P convertor

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
943730	PD	Radiation Monitor	Description of Problem - 1R14 Failed
			Corrective Action Taken - Replaced pre-amplifier
943783	PD	Valve, 1CC215	Description of Problem - No open/close indication
			Corrective Action Taken - Adjusted limit switch actuator
943813	PD	Valve, 1CU72	Description of Problem - Controlling erraticly
			Corrective Action Taken - Adjusted gain and reset settings
943869	PD	Radiation Monitor	Description of Problem - 1R16 Failed low
			Corrective Action Taken - Repaired broken wire on pre-amplifier
943874	PD	Valve, 1CU172	Description of Problem - No open/close indication
			Corrective Action Taken - Adjusted open limit switch arm
947336	PD *	Valve, 13GB185	Description of Problem - No closed indication
			Corrective Action Taken - Adjust open/close limit switch arm

REFUELING INFORMATION

DOCKET NO .: 50-272

UNIT: Salem #1

		DATE: June 10, 1981
	COMP	LETED BY: L. K. Miller
		ELEPHONE: 609-365-7000
		X507
тн	: May 1981	
R	efueling information has changed from last mo	nth:
	YESNO) X
		101
	cheduled date of next refueling: Oct. 30, 19	
	cheduled date for restart following refueling	
A	. Will Technical Specification changes or ot	
	amendments be required? YESNO	
		CO-DATE April 1981
B	. Has the reload fuel design been reviewed b	
	Review Committee? YES NO	
	If no, when is it scheduled? September	
3	cheduled date(s) for submitting proposed lice	ensing action:
	September 1981	(If Required)
1	mportant licensing considerations associated	with refueling:
N	ONE	
-		
-		
•		
-		
1	Number of Fuel Assemblies:	
	. In-Core	193
	3. In Spent Fuel Storage	104
	Present licensed spent fuel storage capacity:	1170
	Future spent fuel storage capacity:	1170
		11/0
1	Date of last refueling that can be discharged pool assuming the present licensed capacity:	

SALEM UNIT #1

OPERATING SUMMARY

MAY 1981

5/1	0100	Reduce power from steady state 100% RTP to steady state 96% RTP to maintain minimum suction pressure to main feed pumps.
5/5	1100	Reduce power to 89% RTP because of problems with traveling screen on Circ. water system.
	1200	Increase power to 96% RTP.
	1510	Decrease power to 88% RTP because of problems with traveling screen on Circ. water system.
5/6	0030	Increase power to 96% RTP.
	0210	Steady state 96% RTP.
5/11		Increase power to steady state 100% RTP.
5/19	2200	Decrease power to 70% RTP to clean condensate pump strainers.
5/20	0136	Steady state 70% RTP.
	0207	Rx trip, actuation 1BSEC
	2047	Rx critical, increase power to 2% RTP.
5/21	0612	Turbine on line, increasing power.
	0835	Rx trip from 26% RTP, fault on #3 Unit during #3 Unit breaker closure.
	1945	Rx critical.
	2200	Increase power to 4% RTP.
5/22	0100	Turbine on line, increasing power.
	2100	Steady state 100% RTP.
5/25	1544	High vibration on 13 L.P. Turbine decrease power
	1640	Power 1% RTP.
	1750	Unit Shutdown.