

TENNESSEE VALLEY AUTHORITY

DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

April 1, 1985 - April 30, 1985

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

Submitted by:

P.R. Wallace

P. R. Wallace, Plant Manager

8507180064 850430
PDR ADOCK 05000327
R PDR

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Operations Summary

April 1985

The following summary describes the significant operational activities for the month of March. In support of this summary, a chronological log of significant events is included in this report.

Unit 1

Unit 1 was critical for 307.1 hours, produced 285,930 MWH (gross), resulting in an average hourly gross load of 937,168 kW during the month. There are 76.4 full power days estimated remaining until the end of cycle 3 fuel. The capacity factor for the month was 33.6 percent. The cycle 3 refueling outage is scheduled to begin September 6, 1985.

During the month, the unit experienced no reactor scrams, one manual shutdown, and one power reduction.

Unit 2

Unit 2 was critical for 719.0 hours, produced 844,510 MWH (gross), resulting in an average hourly gross load of 1,174,562 kW during the month. There are 251.5 full power days estimated remaining until the end of cycle 3 fuel. The capacity factor for the month was 99.3 percent. With a capacity factor of 85 percent, the target EOC exposure would be reached February 20, 1986.

During the month, the unit experienced no reactor scrams, manual shutdowns or power reductions.

Significant Operational Events

Unit 1

<u>Date</u>	<u>Time</u>	<u>Event</u>
04/01/85	0001	The reactor was in mode 1 at 100% power producing 1170 MWE.
04/09/85	1800	Began reducing power due to a hydrogen leak in the electrical generator.
04/10/85	0330	Stopped the power reduction at 35% power.
04/11/85	2031	The unit exceeded TVAs longest continuous run record. The unit had been on-line for 195 days, 9 hours, 34 minutes.
04/13/85	1446	Began reducing power to remove the unit from service for ice weighing, steam generator tube leak and electrical generator hydrogen leak repairs.
	1707	The unit was removed from service ending a record continuous run of 197 days, 6 hours, 9 minutes.
	1905	The reactor entered mode 3.

Significant Operational Events (Cont.)

Unit 1

<u>Date</u>	<u>Time</u>	<u>Event</u>
04/14/85	2205	The reactor entered mode 4.
04/15/85	1639	The reactor entered mode 5.
04/30/85	2359	The reactor was in mode 5. Ice weighing was complete and maintenance continued on the steam generator tube leak and the electrical generators hydrogen leak.

Unit 2

04/01/85	0001	The reactor was in mode 1 at 100% power producing 1180 MWE.
04/30/85	2359	The reactor was in mode 1 at 100% power producing 1170 MWE.

The unit has been in continuous operation since February 17, 1985 (72 days).

Spent Fuel Pit Storage Capabilities

Sequoyah has the capabilities to store 1,386 spent fuel assemblies. Two-hundred-seventy-six assemblies are presently stored in the SFP with the capacity to store an additional 1,110 assemblies.

The fuel receipt schedule for unit 1 cycle 4 was transmitted on April 15, 1985. The first shipment is scheduled to arrive onsite May 14, 1985.

PORVs and Safety Valves Summary

No PORVs nor safety valves were challenged during the month.

Licensee Events and Special Reports

The following licensee event reports (LER) were sent during April 1985 to the Nuclear Regulatory Commission.

<u>LER</u>	<u>DESCRIPTION OF EVENT</u>
1-85012	With the unit in mode 1 at 100% power on March 18, 1985 hourly fire watch was not performed within one hour due to door A123 being inoperable. The door was found inoperable between 2100 CST and 2200 CST. The door was declared operable at 0930 CST and March 13, 1985.
1-85013	On seven separate occasions, an hourly fire watch was not performed within one hour. Both units were in mode 1 at 100% power.

Licensee Events and Special Reports (Continued)

Time (CST)	Date	Location/Cause
1300	March 21, 1985	Unit 1 ventilation and purge room and the unit 1 auxiliary building supply air fan room. Door A123 was inoperable.
1800	March 24, 1985	Unit 1 125V Battery Room II. Door A181 was inoperable.
0816	March 27, 1985	RHR pump room 1B. Door A5 was inoperable.
0610 1330	March 28, 1985	Unit 1 additional equipment building. Door A183 was inoperable.
0507	March 30, 1985	Unit 1 auxiliary building supply air fan room. Door A122 was inoperable.

1-85014 On April 4, 1985 with both units operating in mode 1 at 100% power, an auxiliary building isolation (ABI) was initiated when an instrument mechanic failed to follow the written sequence of SI-82 (Functional Test of Radiation Monitors).

Special Reports

There were two special reports transmitted during the month.

85-02R1 This special report provided additional details concerning inoperability of two fire barrier in excess of seven days.

85-03 This report provided details of four six-inch pipe penetration fire barriers that were breached greater than seven days. The penetrations are in the auxiliary building, elevation 669:

- A. Valve gallery to Boric Acid Room A.
- B. Boric Acid Room A to Boric Acid Room B.
- C. Boric acid room B to Hot Tool Room
- D. Hot Tool Room to the Holdup Tank Room.

An hourly fire watch was maintained until the penetrations were closed.

Diesel Generator Failure Report

There were no diesel generator failure reports transmitted during the month.

Offsite Dose Calculation Manual Changes

No changes were made to the Sequoyah Offsite Dose Calculation Manual during the month.

OPERATING DATA REPORT

DOCKET NO. 50-327
DATE MAY 2 1985
COMPLETED BY M. G. EDDINGS
TELEPHONE (615) 870-6421

OPERATING STATUS

1. UNIT NAME: SEQUOYAH NUCLEAR PLANT, UNIT 1
2. REPORT PERIOD: APRIL 1985
3. LICENSED THERMAL POWER(MWT): 3411.0
4. NAMEPLATE RATING (GROSS MWE): 1220.6
5. DESIGN ELECTRICAL RATING (NET MWE): 1148.0
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1183.0
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1148.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBERS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: _____

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): _____

10. REASONS FOR RESTRICTIONS, IF ANY: _____

NOTES:

	THIS MONTH	YR.-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719.00	2879.00	33600.00
12. NUMBER OF HOURS REACTOR WAS CRITICAL	307.10	2467.10	23114.76
13. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	0.00
14. HOURS GENERATOR ON-LINE	305.10	2465.10	22574.05
15. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	812884.96	8139835.76	72817521.71
17. GROSS ELECTRICAL ENERGY GEN. (MWH)	285930.00	2818410.00	24554826.00
18. NET ELECTRICAL ENERGY GENERATED (MWH)	270326.00	2711314.00	23592944.00
19. UNIT SERVICE FACTOR	42.43	85.62	67.18
20. UNIT AVAILABILITY FACTOR	42.43	85.62	67.18
21. UNIT CAPACITY FACTOR (USING MDC NET)	32.75	82.03	61.16
22. UNIT CAPACITY FACTOR (USING DER NET)	32.75	82.03	61.16
23. UNIT FORCED OUTAGE RATE	0.00	0.00	16.67
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Refueling/modification, September 6, 1985, 51 days.			
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: June 1, 1985			

NOTE THAT THE THE YR.-TO-DATE AND CUMULATIVE VALUES HAVE BEEN UPDATED.

OPERATING DATA REPORT

DOCKET NO. 50-328
 DATE MAY 5 1985
 COMPLETED BY D.C.DUPREE
 TELEPHONE (615)870-6248

OPERATING STATUS

1. UNIT NAME: SEQUOYAH NUCLEAR PLANT, UNIT 2
2. REPORT PERIOD: APRIN 1985
3. LICENSED THERMAL POWER(MWT): 3411.0
4. NAMEPLATE RATING (GROSS MWE): 1220.6
5. DESIGN ELECTRICAL RATING (NET MWE): 1148.0
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1183.0
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1148.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS(ITEMS NUMBERS 3 THROUGH 7)SINCE LAST REPORT, GIVE REASONS:-----
-
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY(NET MWE):-----
-
10. REASONS FOR RESTRICTIONS, IF ANY:-----
-
-

NOTES:

	THIS MONTH	YR.-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719.00	2879.00	25560.00
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.00	2836.70	19531.82
13. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	0.00
14. HOURS GENERATOR ON-LINE	719.00	2804.92	19075.10
15. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	2449796.57	9053461.04	61052471.91
17. GROSS ELECTRICAL ENERGY GEN. (MWH)	844510.00	3118930.00	20810610.00
18. NET ELECTRICAL ENERGY GENERATED (MWH)	815027.00	3004938.00	20025946.60
19. UNIT SERVICE FACTOR	100.00	97.43	74.63
20. UNIT AVAILABILITY FACTOR	100.00	97.43	74.63
21. UNIT CAPACITY FACTOR(USING MDC NET)	98.74	90.92	68.25
22. UNIT CAPACITY FACTOR(USING DER NET)	98.74	90.92	68.25
23. UNIT FORCED OUTAGE RATE	0.00	2.36	7.72
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			

NOTE THAT THE THE YR.-TO-DATE AND CUMULATIVE VALUES HAVE BEEN UPDATED.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-327

UNIT NAME Sequoyah One

DATE May 2, 1985

COMPLETED BY M. G. Eddings

TELEPHONE (615) 870-6421

REPORT MONTH April 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	850410	F		A	5				Gen. Hydrogen Leak
2	850413	S	413.9	H	1				Ice Weighing Outage

1
F: Forced
S: Scheduled

2
Reason:
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)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Cont. of Existing
Outage
5-Reduction
9-Other

4
Exhibit G-Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

5
Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-328

UNIT NAME Sequoyah Two

DATE May 6, 1985

COMPLETED BY D. C. Dupree

TELEPHONE (615) 870-6248

REPORT MONTH April 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
						NONE			

1

F: Forced
S: Scheduled

2

Reason:

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)

3

Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Cont. of Existing

Outage

5-Reduction

9-Other

4

Exhibit G-Instructions
for Preparation of Data

Entry Sheets for Licensee

Event Report (LER) File (NUREG-

0161)

5

Exhibit I-Same Source

(9/77)

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ATTACHMENT 1
AVERAGE DAILY UNIT POWER LEVEL

FILE PACKAGE NO. 55
REPORT REQUIREMENTS

DOCKET NO. 50-327
UNIT One
DATE 5-1-85
COMPLETED BY M. G. Eddings
TELEPHONE (615) 870-6421

MONTH <u>April</u>			
Day	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1137	17	NA
2	1136	18	NA
3	1133	19	NA
4	1131	20	NA
5	1129	21	NA
6	1128	22	NA
7	1128	23	NA
8	1127	24	NA
9	1031	25	NA
10	381	26	NA
11	352	27	NA
12	223	28	NA
13	NA	29	NA
14	NA	30	NA
15	NA	31	NA
16	NA		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

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ATTACHMENT 1
AVERAGE DAILY UNIT POWER LEVEL

FILE PACKAGE NO. 55
REPORT REQUIREMENTS

DOCKET NO. 50-328
UNIT 2
DATE May 6, 1985
COMPLETED BY D. C. Dupree
TELEPHONE (615) 870-6248

MONTH April 1985

Day	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1126	17	1139
2	1128	18	1142
3	1128	19	1138
4	1131	20	1137
5	1129	21	1140
6	1133	22	1142
7	1131	23	1143
8	1133	24	1143
9	1129	25	1142
10	1131	26	1140
11	1144	27	1141
12	1141	28	1142
13	1140	29	1140
14	1139	30	1140
15	1138	31	NA
16	1138		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

NUCLEAR PLANT OPERATING STATISTICS

SEQUOYAH NUCLEAR

Plant

Period Hours 719Month APRIL 19 85

	Item No.	Unit No.	UNIT ONE	UNIT TWO	PLANT		
Generation	1	Average Hourly Gross Load, kW	937,168	1,174,562	1,572,239		
	2	Maximum Hour Net Generation, MWh	1,144	1,156	2,276		
	3	Core Thermal Energy Gen, GWD (t) ²	33.8702	102.0749	135.9451		
	4	Steam Gen. Thermal Energy Gen., GWD (t) ²	33.9888	102.4878	136.4766		
	5	Gross Electrical Gen., MWh	285,930	844,510	1,130,440		
	6	Station Use, MWh	15,604	29,483	45,087		
	7	Net Electrical Gen., MWh	270,326	815,027	1,085,353		
	8	Station Use, Percent	5.46	3.49	3.99		
	9	Accum. Core Avg. Exposure, MWD/Ton ¹	11,264	4,309	15,573		
	10	CTEG This Month, 10 ⁶ BTU	2,774,376	8,361,156	11,135,532		
	11	SGTEG This Month, 10 ⁶ BTU	2,784,091	8,394,979	11,179,070		
	Factors & Use	12					
13		Hours Reactor Was Critical	307.1	719.0	1026.1		
14		Unit Use, Hours-Min.	305:07	719:00	1024:07		
15		Capacity Factor, Percent	33.6	99.3	66.5		
16		Turbine Avail. Factor, Percent	42.4	100.0	71.2		
17		Generator Avail. Factor, Percent	42.4	100.0	71.2		
18		Turbogen. Avail. Factor, Percent	42.4	100.0	71.2		
19		Reactor Avail. Factor, Percent	42.7	100.0	71.4		
20		Unit Avail. Factor, Percent	42.4	100.0	71.2		
21		Turbine Startups	0	0.0	0		
22		Reactor Cold Startups	0	0.0	0		
Efficiency	23	Unit Service Hours			719		
	24	Gross Heat Rate, Btu/kWh	9,700	9,900	9,850		
	25	Net Heat Rate, Btu/kWh	10,260	10,260	10,260		
	26						
Temp & Press	27						
	28	Throttle Pressure, psig	880.0	874.4	876.1		
	29	Throttle Temperature, °F	529.3	528.6	528.8		
	30	Exhaust Pressure, InHg Abs.	2.3	2.2	2.2		
	31	Intake Water Temp., °F	57.3	60.1	59.3		
Flows	32						
	33	Main Feedwater, M lb/hr	11.9	15.1	14.1		
	34						
	35						
Misc.	36						
	37	Full Power Capacity, EFPD	370.00	363.65	733.65		
	38	Accum. Cycle Full Power Days, EFPD	293.6167	112.1962	405.8129		
	39	Oil Fired for Generation, Gallons			1,782		
	40	Oil Heating Value, Btu/Gal.			138,000		
	41	Diesel Generation, MWh			27		
Station Data	42						
		Max. Hour Net Gen.		Max. Day Net Gen.		Load Factor, %	
		MWh	Time	Date	MWh		Date
	43	2,276	0900	04/02/85	54,336		04/02/85
		Remarks: ¹ For BFNP this value is MWD/STU and for SQNP and WBNP this value is MWD/MTU.					
		² (t) indicates Thermal Energy.					

Date Submitted MAY 13 1985 Date Revised _____

P.R. Waller

Plant Superintendent

SEQUOYAH Nuclear Plant

Unit No. TWO

Month/Year
APRIL/1985719
Period Hours

Licensed Reactor Power	34.11 MW(th)
Operating Reactors	0
Reactors Under Construction	0
Reactors Planned	0
Other Nuclear Power	0
Total	34.11 MW(th)

Generator Rating 1220.5 MW(e)

Design Gross Electrical Rating	1183	MW
1183	1183	1183

[illegible]

UNIT OUTAGE AND AVAILABILITY

SEQUOYAH Nuclear Plant

Licensed Reactor Power 3411 MW(th)

Generator Rating 1220.5 MW(e)

Design Gross Electrical Rating 1183 MW

Month/Year APRIL/1985

Period Hours 719

Unit No ONE

Day	Time Unit Available						Time Not Available						Unit		OUTAGE CAUSE	METHOD OF SHUTTING DOWN REACTOR	UNIT STATUS DURING OUTAGE	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION						
	Total			Gen			Not Used			Turbine			Gen						Reactor			Unit		
	Hrs	Min	Sec	Hrs	Min	Sec	Hrs	Min	Sec	Hrs	Min	Sec	Hrs	Min					Sec	Hrs	Min	Sec	Time Out	Time In
1	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
2	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
3	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
4	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
5	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
6	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
7	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
8	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
9	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
10	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
11	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
12	24	00	00	24	00	00	00	00	00	00	00	00	00	00	00	00	00	00						
13	17	07	17	07	00	00	06	53	06	53	04	55	06	53	06	53	06	53	17:07					
14	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
15	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
16	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
17	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
18	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
19	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
20	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
21	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
22	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
23	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
24	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
25	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
26	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
27	00	00	00	00	00	00	00	00	00	23	00	23	00	23	00	23	00	23						
28	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
29	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
30	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
31	00	00	00	00	00	00	00	00	00	24	00	24	00	24	00	24	00	24						
Total	305	07	30	5	07	00	6	13	53	413	53	413	55	413	53									

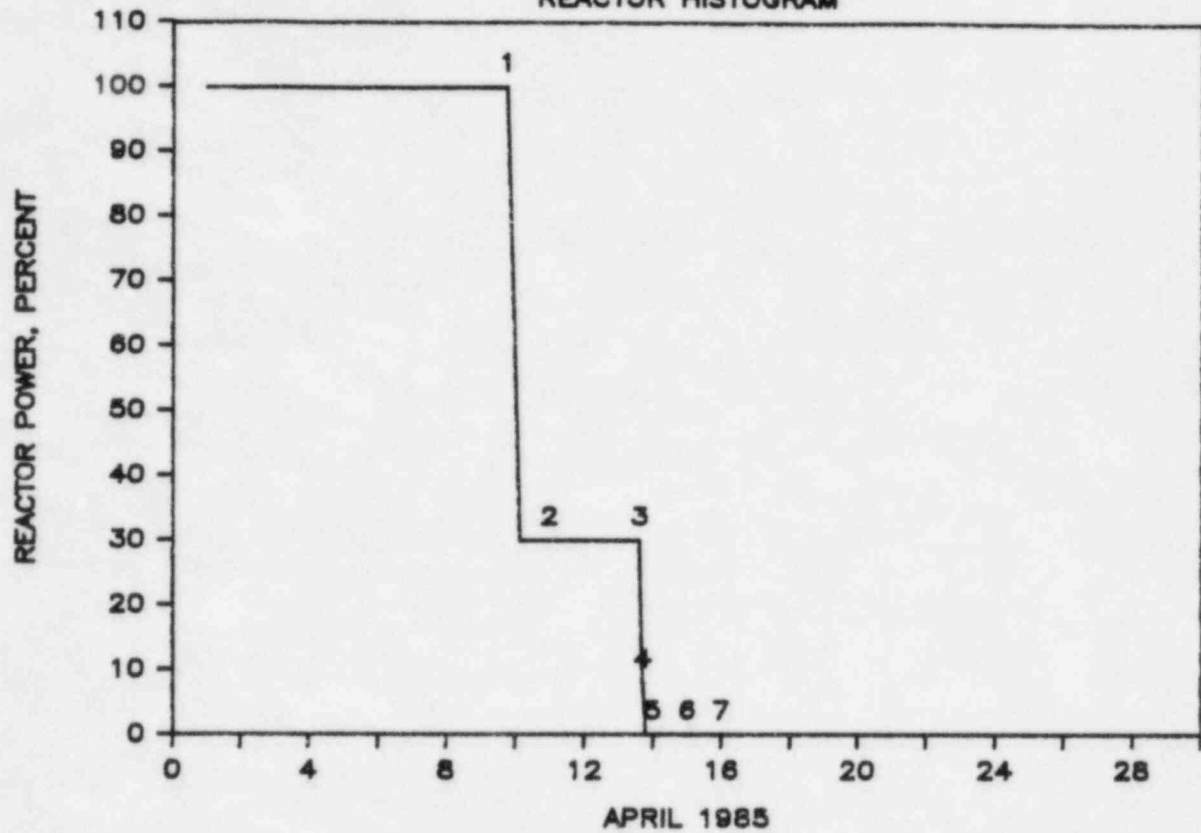
Scheduled ice weighing/main-
tenance

Mode 5

17 07

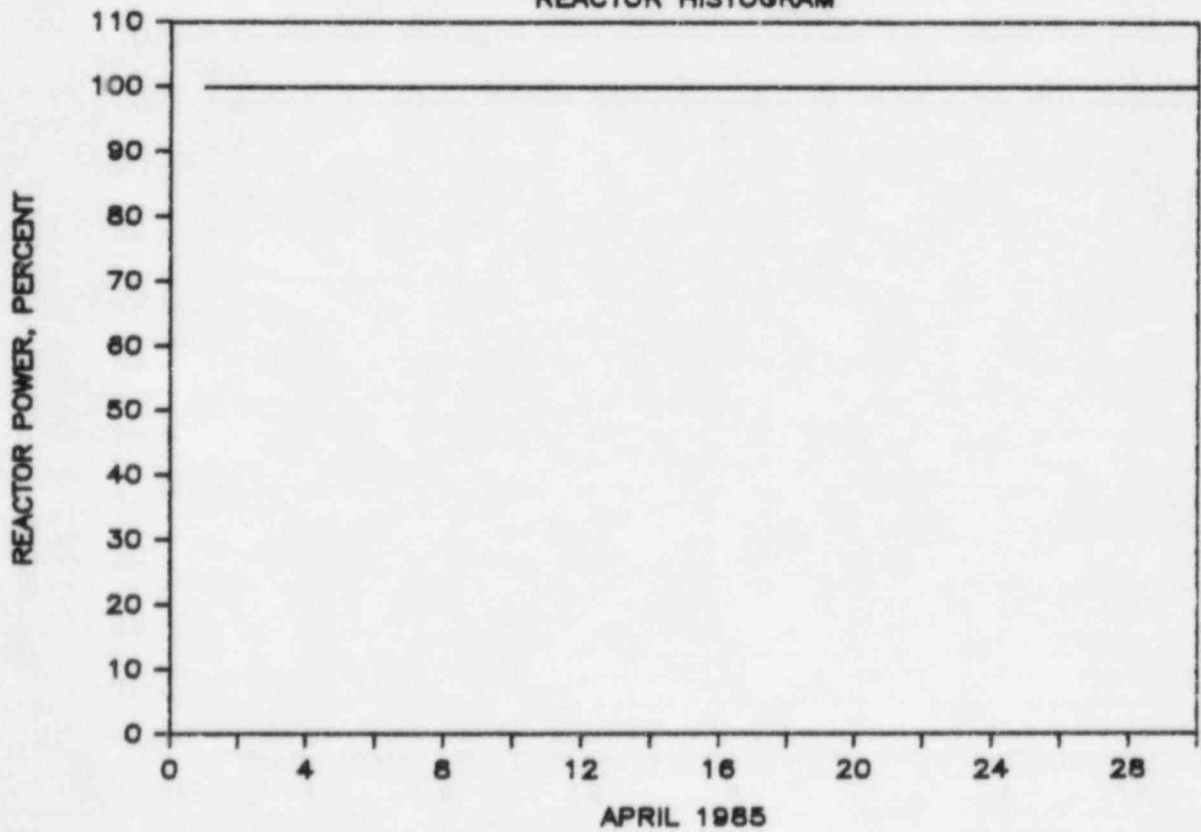
SEQUOYAH ONE

REACTOR HISTOGRAM



SEQUOYAH TWO

REACTOR HISTOGRAM



REACTOR HISTOGRAM
UNIT 1

April 1985

1. 1800 Began power reduction due to a hydrogen leak in the electrical generator.
2. 0330 Maintained 30 percent reactor power.
3. 1446 Began power reduction to manually shut down the unit for ice weighing and electrical generator repairs.
4. 1707 The unit was removed from service. The unit's on-line time was 197 days, 6 hours, 9 minutes, which establishes a TVA record for units larger than 500 MWs.
5. 1905 The reactor entered mode 3.
6. 2205 The reactor entered mode 4.
7. 1639 The reactor entered mode 5.

UNIT 2

1. The unit maintained 100 percent reactor power for the entire month.

13:21:03 DATE....	05-06-85 COMPONENT.....	ELECTRICAL MAINTENANCE MONTHLY REPORT FOR APRIL			PAGE 1
		FAILURE DESCRIPTION.....	CAUSE OF FAILURE.....	CORRECTIVE ACTION.....	PR.NO..
04-05-85	1-XS-313-1600	LIGHT ON TECH SPEC FIRE DETECTOR DOES NOT WORK	BULB BLOWN	REPLACED BULB	A245097
04-05-85	0-RE-090-0134/ 0141	ERCW LIQUID MONITOR HAS LOW FLOW ALARM	BAD MOTOR	REPLACED MOTOR, CONNECTED PER M&AI 12, ALIGNED PUMP AND MOTOR	A553569
04-05-85	2-XX-063-0001	POWER ON HYDROGEN RECOMBINER 2AA WILL NOT GO TO 60 KW WHEN REOSTAT IS ADJUSTED TO 100%	WATT METER NEEDS TO BE CALIBRATED, CIRCUIT MODULE NEEDS REPAIRING	REPAIRED CIRCUIT MODULE PER M&AI 12 AND MI 6.20	A528586
04-05-85	2-FSV-063-0023	VALVE KEEPS BLOWING FUSES EACH TIME VALVE IS PLACED FROM CLOSED TO THE OPEN POSITION	VALVE HAD WRONG COIL INSTALLED COIL WAS A 110/120 VOLT A.C. 50/60 HERTZ 6-WATT SHOULD HAVE BEEN A 120 VOLT D.C. 9.70 WATT	REPLACED COIL PER M&AI 12 AND MI 6.20 HAD OPERATIONS RUN SI 166.6	A528586
04-05-85	2-RM-090-0112	PUMP MOTOR ON CONTAINMENT RADIATION MONITOR "A" WAS FOUND BAD ON MR A049396	BAD MOTOR	REPLACED MOTOR ON PUMP "A" PERFORMED SI 206 AND LEFT IN SERVICE	A517838
04-05-85	2-XFD-031C-091 0	ELECTRICALLY ACTUATED FIRE DAMPER NEEDS FUSEABLE LINK INSTALLED	DAMPER IS FROZEN CLOSED WILL NOT OPEN	REPLACED FUSEABLE LINK	A528745
04-05-85	1-XFD-313-0905	FUSEABLE LINK MELTED OFF ON ROOM FIRE DAMPER OF 1828 480 VOLT SHUT DOWN BOARD ROOM	BAD FUSEABLE LINK	REPLACED FUSEABLE LINK	A529658
04-05-85	1-XFD-313-0904	ROOM FIRE DAMPER ON 480 VOLT SHUT DOWN BOARD ROOM	BAD FUSEABLE LINK ASSEMBLY ON DAMPER	REPLACED FUSEABLE LINK	A553503

13:21:03 DATE....	05-05-85 COMPONENT.....	ELECTRICAL MAINTENANCE MONTHLY REPORT FOR APRIL			PAGE 2
		FAILURE DESCRIPTION.....	CAUSE OF FAILURE.....	CORRECTIVE ACTION.....	PR.NO..
		WILL NOT OPEN			
04-05-85	2-XFD-031C-091 1	ELECTRICALLY ACTUATOR FIRE DAMPER ON UNIT 2 430 VOLT SHUT DOWN BOARD ROOM WILL NOT OPEN	BAD FUSEABLE LINK	REPLACED FUSEABLE LINK	A528744
04-05-85	2-XFD-031C-090 7	ELECTRICALLY ACTUATOR FIRE DAMPER ON UNIT 2 480 SHUT DOWN BOARD ROOM WILL NOT OPEN	BAD FUSEABLE LINK	REPLACED FUSEABLE LINK	A528746
04-22-85	0-PAIN-317	EXPAND GRID #43, 5 FT. TO RIGHT DOWNSTREAM AND 2 FT. TO LEFT UPSTREAM.	NO FAILURE, PREVENTIVE MAINTENANCE.	PAINTED GRIDS ON PIPE.	A116654
04-22-85	1-MTRB-067-049 08	18 ERCW STRAINER MOTOR WOULD NOT RUN WITH BREAKER CLOSED	CONTROL CIRCUIT FUSE WAS BURNED OUT	REPLACED CONTROL CIRCUIT FUSE	A536576
04-23-85	0-CHGB-250-GH- F	ADJUST EQUALIZE VOLTAGE OF NORMAL CHARGER #3 TO 143.6 VDC DURING RECHARGE OF BATTERY AFTER PERFORMANCE OF S1105	NO FAILURE, PREVENTIVE MAINTENANCE	ADJUSTED EQUALIZE VOLTAGE OF NORMAL CHARGER #3	A538868
04-24-85	1-MTRB-070-004 6	COMPONENT COOLING SYSTEM PUMP 1A-A OUTBOARD BEARING OIL RESERVOIR HAS LOW OIL LEVEL	NO FAILURE, PREVENTIVE MAINTENANCE	REFILLED OIL RESERVOIR TO PROPER LEVEL	A553721
04-26-85	1-MTRA-072-002 7	CONTAINMENT SPRAY PUMP MOTOR 1A-A INBOARD BEARING OIL RESERVOIR HAS LOW OIL LEVEL	NO FAILURE, PREVENTIVE MAINTENANCE	FILLED OIL RESERVOIR TO PROPER LEVEL	A553716

PAGE 3

13-21-03 DATE....	05-06-85 COMPONENT.....	ELECTRICAL MAINTENANCE MONTHLY REPORT FOR APRIL FAILURE DESCRIPTION.....	CAUSE OF FAILURE.....	CORRECTIVE ACTION.....	PR.NO..
04-26-85	G-MTRB-070-005 1	COMPONENT COOLING WATER PUMP MOTOR OUTBOARD BEARING OIL RESERVOIR INDICATES LOW OIL LEVEL	NO FAILURE, PREVENTIVE MAINTENANCE	FILLED OIL RESERVOIR TO PROPER LEVEL	A553714
04-26-85	2-IGN-268-0233	PERMANENT HYDRO GENERATOR MITIGATION SYSTEM IGNITER #233 IS BENT	IGNITER WAS POSSIBLY HIT BY A LOAD ON JIB CRANE	STRAIGHTENED HYDRO GENERATOR MITIGATION SYSTEM IGNITER #233	A536628
04-26-85	1-LOCL-013-061 4	TEST SMOKE DETECTORS XS-13-1A & B USING SURVEILLANCE INSTRUCTION 234.3	NO FAILURE, PREVENTIVE MAINTENANCE	PERFORMED SI-234.3 MAINTENANCE TEST	A529851
04-26-85	1-BCTD-067-012 6	REPLACE CRACKED CONTACTOR CONTACT BLOCK ON CONTAINMENT SPRAY HEAT EXCHANGE CONTACTOR 1A	OVERTIGHTENED SCREWS ON CONTACT BLOCK	REPLACED CRACKED CONTACTOR CONTACT BLOCK	A529811
04-26-85	1-BCTD-067-012 5	REPLACE CRACKED CONTACTOR CONTACT BLOCK ON CONTAINMENT SPRAY HEAT EXCHANGE CONTACTOR	OVERTIGHTENED SCREW ON CONTACT BLOCK	REPLACED CRACKED CONTACTOR CONTACT BLOCK	A529810
04-26-85	1-FCV-003-0087 -A	RED INDICATOR LIGHT FOR STEAM GENERATOR FEEDWATER ISOLATION VALVE #3 WAS NOT ON IN MAIN CONTROL ROOM	POSSIBLY ANNUNCIATOR CONTACTS WERE DIRTY	CLEANED CONTACTS ON LIMITORQUE	A529590
04-29-85	1-INVB-250-GR- F	ENERGIZER LIGHT WAS NOT BURNING ON 120V AC VITAL INVERTER 1-III	BAD LIGHT SOCKET	REPLACED BAD LIGHT SOCKET	A528735
04-29-85	0-BATB-082-SPA RE	READ AND RECORD THE SPECIFIC GRAVITY AND CELL	NO FAILURE, PREVENTIVE MAINTENANCE	RECORDED GRAVITY AND CELL VOLTAGE FOR EACH CELL	A520058

13:21:03 DATE....	05-06-85 COMPONENT.....	ELECTRICAL MAINTENANCE MONTHLY REPORT FOR APRIL			PR.NO..
		FAILURE DESCRIPTION.....	CAUSE OF FAILURE.....	CORRECTIVE ACTION.....	
		VOLTAGE OF EACH CELL ON SPARE DIESEL GENERATOR BATTERY			
04-29-85	1-XS-013-0075- A88	PERFORM SURVEILLANCE INSTRUCTION TEST 234.4 ON FIRE PROTECTION DETECTORS XS-013-0075-A88 DURING FIRST 24 HOUR OUTAGE OF UNIT 1	NO FAILURE, PREVENTIVE MAINTENANCE	PERFORMED SURVEILLANCE INSTRUCTION TEST ON FIRE PROTECTION DETECTORS XS-013-0075-A88	A284820
04-30-85	2-FCV-001-0051	AUXILIARY FEEDWATER PUMP TURBINE VALVE WOULD NOT OPEN IN NORMAL OR AUXILIARY CONTROL POSITIONS	DIRTY CONTACTS	CLEANED CONTACTS ON LIMIT SWITCH 2-LS-001-0051	A529219
04-30-85	0-HTCK-234-42S	CHEMICAL AND VOLUME CONTROL SYSTEM HEAT TRACE CIRCUIT 42S ALARM WAS IN	BAD CIRCUIT CONTROLLER	REPLACED HEAT TRACE CIRCUIT 42S CONTROLLER	A553570
04-30-85	1-INV8-250-GL- D	120 AC VITAL INVERTER 1-1 INDICATOR LIGHT IS NOT BURNING WHILE AC RECTIFIER IS ENERGIZED	BAD LIGHT SOCKET	REPLACED LIGHT SOCKET	A528736
05--0-1-	0-TS-032-5017/ 3	TEMPERATURE CONTROL ALARM SELECTOR SWITCH HOUSING FOR RELAY ENGINE 182 WAS BROKEN	POSSIBLE CAUSE UNKNOWN	REPLACED SELECTOR SWITCH	A538673

29 records listed.

INSTRUMENT MAINTENANCE

Unit 1

1. Performed calibration of UHI level switches LS-87-21 and -23. A PRO is being written on both switches. LS-87-22 and -24 are being replaced due to their previous performance problems.
2. While reducing power on April 13, 1985 train B, high steam flow bistables came in at about 10% power. This was due to the low limit of PC-1-72 being incorrectly adjusted. PRO-1-85-122 was written to investigate.
3. A modification to Barton lot 2 transmitters is in progress to solder the connector between the strain gauge and the circuit board. This modification is required to maintain transmitter qualification after five years of operation.
4. The Backup Source Range detector was declared inoperable due to noise appearing as counts while the high voltage was removed from the detector. During the ice outage the detector was replaced and the channel was recalibrated. After recalibration some noise still existed. The remaining problem was isolated to the cable between the inboard penetration and the detector. The investigation continues.

Unit 2

1. Performed monthly calibration of UHI level switches, SI-196.2. All switches were within Tech Spec tolerance.
2. Because of a valve alignment error on the auxiliary feedwater pump recirculate line and a failure of a check valve on the turbine driven auxiliary feedwater recirculation line, the condensate header suction line became overpressurized and caused a failure of the condensate to ERCW switch over pressure switches. The switches were replaced with ones scheduled for replacement on unit 1 during the ice weighing outage.

COMP

MR. COMP U	FLWC	SYS	ADDRESS.	DATE....	DESCRIPTION.....	CORRECTIVE ACTION.....
A116709	1 FT	000	242	04/26/85	1-FI-000-242, DIGITAL READOUTS ON PNL FOR SAMPLE VELOCITY AND STACK VELOCITY SHOW APPROX A 20% MISMATCH	1 FC 30 5242 AND 1 X1 30 5242, BAD 1 FI 30 5242 B BAD 1 FT 30 5242A AND 1 FT 30 5242B, REPLACED 1 FC 30 5242, 1 X1 30 5242, 1 FT 30 5242B AND RECALIB. RECALIB 1 FT 30 5242A AND 1 FT 30 5242B
A284976	1 H2AN	043	200	04/15/85	1-H2AN-043-200, REPLACE CATALYST IN ANALYZER	NONE, ENCK REQUESTED CATALYST TO BE CHANGED. CHANGED CATALYST
A290091	1 PT	003	122A	04/11/85	1-PT-003-122A, CHECK THE CALIB OF THE ENTIRE DISCHARGE PRESS LOOP OF 1A AFW PMP	PRESS. TRANSMITTER WAS OUT OF CALIB. RECALIB THE PRESS. TRANSMITTER. PRESS. MODIFIER WAS OUT OF CALIB. RECALIB THE PRESS. MODIFIER
A291780	1 LT	003	97	04/30/85	1-LT-003-97, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURN TO SERVICE
A291782	1 LT	003	93	04/25/85	1-LT-003-93, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, NO FAILURE, HARD WIRED PIN CONNECTOR
A291783	1 LT	003	94	04/26/85	1-LT-003-94, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
A291786	1 LT	003	56	04/27/85	1-LT-003-56, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
A291787	1 LT	003	55	04/30/85	1-LT-003-55, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
A291791	1 PT	068	340	04/27/85	1-PT-068-340, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTION, REPLACED O RINGS TORQUED PER IMI 135, RECALIB VERIFIED OPERABILITY AND RETURNED TO SERVICE
A291792	1 FT	001	108	04/27/85	1-FI-001-108, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, NONE-ALREADY HARDWIRED
A291793	1 FT	001	10A	04/24/85	1-FI-001-10A, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATION PER SMI 1 317 23	NONE, NONE-ALREADY HARDWIRED
A291794	1 FT	001	38	04/27/85	1-FI-001-38, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE-NONE, ALREADY HARDWIRED
A291795	1 FT	001	218	04/27/85	1-FI-001-218, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI	NONE, NONE ALREADY HARDWIRED

COMP

MR.	COMP	IF	FUNC	SYS	ADDRESS	DATE	DESCRIPTION	CORRECTIVE ACTION
A291796	1	LT	003	98		04/26/85	1-LT-003-98, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
A291798	1	LT	003	L107		04/26/85	1-LT-003-L107, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 TRANSMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
A292772	1	II	068	A7B		04/26/85	1-II-068-67B, CHECK OPERATION OF IND IT APPEARS TO BE STICKING	NONE, NONE-VERIFIED OPERATION AND CAL
A298472	1	LM	003	148A		04/15/85	1-LM-003-148A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE REPLACED PERIODICALLY. REPLACED GAUGE
A298473	1	LM	003	164A		04/12/85	1-LM-003-164A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE PERIODICALLY REPLACED. REPLACED GAUGE
A298474	1	LM	003	171A		04/15/85	1-LM-003-171A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE PERIODICALLY REPLACED. REPLACED GAUGE
A298475	2	LM	003	148A		04/12/85	2-LM-003-148A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE REPLACED PERIODICALLY. REPLACED GAUGE
A298476	2	LM	003	156A		04/12/85	2-LM-003-156A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE REPLACED PERIODICALLY. REPLACED GAUGE
A298477	2	LM	003	164A		04/12/85	2-LM-003-164A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE REPLACED PERIODICALLY. REPLACED GAUGES
A298478	2	LM	003	171A		04/12/85	2-LM-003-171A, REPLACE AIR GAUGE ON AIR REGULATOR	NONE, GAUGES ARE REPLACED PERIODICALLY. REPLACED GAUGE
A300103	1	PS	001	28A		04/30/85	1-PS-001-28A, *IN STEAM FLOW IS IN HIGH ALARM WITH NO FLOW	FLOW XMITTER WAS OUT OF CALIB. RECALIB. FLOW XMITTER
A300814	1	PS	001	20B		04/24/85	1-PS-001-20B, SHIELD CABLE TO PS/534B TERM 2 AND 5 ARE BROKEN OFF	SHIELD WIRE WAS BROKEN ON TERMINAL #2 AND #5. RESOLDERED THE SHIELD WIRES
A518490	1	PC	001	72		04/16/85	1-PC-001-72, LO LIMIT CIRCUIT ON IMPULSE PRESS APPEARS TO BE TOO LOW	LOW LIMIT CIRCUIT WAS TOO LOW. SET THE LOW LIMIT TO 13.76 MILLIAMPERES, AND WRITE NEW MR A530705
A526260	1	FI	001	28A		04/09/85	1-FI-001-28A, CHECK CALIB OF FI 1 28A	XMITR OUT OF CAL. RECAL XMITR
A526276	1		068	340		04/18/85	1--068-340, VLV PCV 68 3400 FAILED IN THE CLOSED POSITION. INVESTIGATE AND REPAIR	I/P OUT OF CAL. RECAL I/P
A527689	1	LT	077	410		04/22/85	1-LT-077-410, LI INDICATION IS NOT WORKING, FAILED LOW THIS WILL NOT ALLOW THE POCKET SUMP PUMPS TO START	XMITR AND LVL SW OUT OF CAL-RECAL XMITR AND LVL SW
A528021	2	PS	003	121A		04/17/85	2-PS-003-121A, REPAIR LEAKING SEAL ON PRESS SW	SEAL ON PRESS SW WAS LEAKING. REPLACED OLD SW AND CALIB NEW SW AND INSTALLED
A528022	2	PS	003	121B		04/17/85	2-PS-003-121B, REPAIR LEAKING SEAL ON PRESS SW	LEAKING SEAL ON PRESS SW. REPLACED SW WITH NEW SW AND CALIB
A528023	2	PS	003	121D		04/17/85	2-PS-003-121D, REPAIR LEAKING SEAL ON PRESS SW	LEAKING SEAL ON PRESS SW. REPLACED SW

COMP

MR.	COMP	U	FUNC	SYS	ADDRESS	DATE	DESCRIPTION	CORRECTIVE ACTION
A528742	2	PS	082	271	04/01/85	2-PS-082-271, #1# PRESS. SW. PERIODICALLY STICKS NOT ALLOWING THE AIR COMP TO START OR STOP AUTOMATICALLY AT THE CORRECT PRESS.	WITH NEW SW AND CALIB IMPROPER SETTING OF TIMER-ADJUSTED PS AND CLEANED CONTACTS	
A529665	1	FS	030	80	04/30/85	1-FS-030-80, INVESTIGATE CAUSE FOR LOW FLOW ALARM WHEN ALL CROM FANS RUNNING CORRECT CAUSE OF ALARM	BROKEN S-NGR LINE-REPAIRED BROKEN LINE	
A529694	1	PI	068	66	04/22/85	1-PI-068-66, #1# INSTRUMENT IS FAILED HIGH INVESTIGATE AND REPAIR	1 PM 68 66C OUT OF CAL-1 PM 68 66B BAD-RECALIB 1 PM 68 66C REPLACED 1 PM 68 66B	
A530705	1	PC	001	72	04/16/85	1-PC-001-72, INVESTIGATE PROBLEM WITH LOW MINIMUM OUTPUT	CONTROLLER WAS OUT OF CALIB. RECALIB.	
A538626	1	PC	001	73	04/30/85	1-PC-001-73, RECAL MODULE TO ACHIEVE 12.MH OR BETTER ON THE LOW END	THE PRESS. CONTROLLER CONTROLLER OUT OF CAL. RECAL CONTROLLER	
A538806	1	FT	068	48A	04/24/85	1-FT-068-48A, BORON LEAKING FROM TRANSMITTER CAUSING MRAD SMEARABLE CONTAMINATION ON FLOOR	LEAKING VENT PLUG-REMOVED AND REINSTALLED VENT PLUGS	
A548766	1	LT	003	110	04/26/85	1-LT-003-110, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE	
A548767	1	LT	003	111	04/25/85	1-LT-003-111, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NO FAILURE. HARDWIRED PIN CONNECTORS	
A548769	1	FT	001	21A	04/24/85	1-FT-001-21A, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, NONE-ALREADY HARDWIRED	
A548770	1	PT	068	334	04/29/85	1-PT-068-334, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTION REPLACE O RINGS-TORQUED PER IMI135, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE	
A548771	1	LT	003	43	04/26/85	1-LT-003-43, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE	
A548772	1	PT	068	323	04/26/85	1-PT-068-323, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, HARD WIRED SOLDERED CONNECTION REPLACE O RINGS TORQUED PER IMI 135, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE	
A548773	1	FT	001	28A	04/24/85	1-FT-001-28A, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI 1 317 23	NONE, NONE WORK ALREADY PERFORMED	
A548774	1	FT	001	28B	04/29/85	1-FT-001-28B, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI	NONE, NONE ALREADY HARDWIRED	

COMP

MR.	COMP	U	FUNC	SYS	ADDRESS	DATE	DESCRIPTION	CORRECTIVE ACTION
							1 317 23	
A548775	1	LY	003	38		04/29/85	1-LT-003-38, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI	NONE, HARD WIRED SOLDERED CONNECTIONS, RECALIB, VERIFIED OPERABILITY AND RETURNED TO SERVICE
							1 317 23	
A553704	2	FI	003	170B		04/08/85	2-FI-003-170B, 2 FI 3 170B IS NOT PROPERLY FIXED	BRACKETS LOOSE ON PUL REINSTALLED BRACKETS FOR FOR INDICATOR
A564831	2	LI	003	148A		04/24/85	2-LI-003-143A, INSPECT I/P INTERNAL MECHANISM AND COIL ASSEMBLY FOR ALIGNMENT AND TIGHTNESS	NONE, NONE INSPECTED INTERNAL MECHANISM
A564832	2	LI	003	156A		04/23/85	2-LI-003-156A, INSPECT I/P INTERNAL MECHANISM AND COIL ASSEMBLY FOR ALIGNMENT AND TIGHTNESS	NONE, NONE, INSPECTED INTERNAL MECHANISM FOR ALIGNMENT AND TIGHTNESS
A564833	2	LI	003	164A		04/23/85	2-LI-003-164A, INSPECT I/P INTERNAL MECHANISM AND COIL ASSEMBLY FOR ALIGNMENT AND TIGHTNESS	NONE, NONE INSPECTED INTERNAL MECHANISM FOR TIGHTNESS
A564834	2	LI	003	171A		04/23/85	2-LI-003-171A, INSPECT I/P INTERNAL MECHANISM AND COIL ASSEMBLY FOR ALIGNMENT AND TIGHTNESS	NONE, NONE ROUTINE INSPECTION ON I/P TIGHTNESS
A564903	1	FI	001	3A		04/24/85	1-FI-001-3A, HARD WIRE PIN CONNECTOR FOR BARTON LOT 2 XMITTER TO MAINTAIN QUALIFICATIONS PER SMI	NONE, NONE-ALREADY HARDWIRED
							1 317 23	

53 records listed.

Mechanical Maintenance Section

April 1985

Unit 0

- 1) Replaced the distillate pumps on the boric acid evaporator.
- 2) Installed a scab plate on the 30" discharge line of the CCW heater exchanger on elevation 690'.
- 3) Replaced the seals on the boric acid transfer pumps.

Unit 1

- 1) Replaced 1A-A fire pump.
- 2) Replaced the packing on 1A-A component cooling system pumps.
- 3) Performed the five year inspection on 1A-A diesel generator.
- 4) Inspected #3 heater drain tank pump 1-B.
- 5) Replaced the outboard seal on 1B-B centrifugal charging pump.
- 6) Replaced the oil pump, coupling and speed increaser on 1B-B centrifugal charging pump.
- 7) Inspected the moisture separator reheaters.
- 8) Inspected the number 2 and 3 seals on reactor coolant pump #4.
- 9) Replaced carbon steel with stainless steel piping on the extraction drain lines.
- 10) Plugged 21 row 2 u-bend tubes on the #3 steam generator.
- 11) Serviced the ice condenser.
- 12) Repacked 1-FCV-63-172
- 13) Checked the set-point on 1-Vlv-63-637
- 14) Cleaned and neo-lubed nine thimble tubes.
- 15) Disassembled the main generator for hydrogen leak repair.
- 16) Started replacement of 1-A low pressure turbine rotor.
- 17) Eddy-Current tested "B" spent fuel pit heat exchanger.
- 18) Moved the ejected thimble tube storage cask from the raceway to the spent fuel pit.
- 19) Repaired containment isolation valves: 1-LCV-3-156, 1-LCV-67-111, 1-LCV-26-243, 1-LCV-54-460, 1-LCV-43-461, 1-LCV-32-287, 1-LCV-32-297.

Mechanical Maintenance

April, 1985

(Continued)

- 20) Repaired auxiliary feed water level control valves 1-LCV-3-156, 164, and valves 1-FCV-6-106A, 1-FCV-6-106B, and 1-FCV-43-22.

Unit 2

- 1) Adjusted the packing on component cooling water pump 2A-A.
- 2) Repaired the turbine driven auxiliary feedwater pump flow control valve 2-FCV-1-051.
- 3) Investigating a vibration problem on 2-B stator cooling water pump.

SUMMARY OF WORK COMPLETED

MODIFICATIONS

April 1985

NUREG 0588

ECN 5824 - MOV Operator Replacement

Ten of twelve remaining operators were replaced this period. The final two are expected to be completed in early May.

ECN 5881 - Limit Switch Replacement

The remaining four limit switches were replaced this period.

ECN 5883 - Pressure Switch/Flow Switch Replacement

Six of thirteen remaining pressure switches were replaced. The other seven switches will be replaced in early May. There are four flow switches remaining. These will also be replaced in early May.

ECN 5895 - Solenoid Valve Replacement

All items have been completed.

ECN 5898 - Limit Switch Replacement

The remaining five limit switches have been replaced by a relay scheme.

ECN 5970 - MOV Operator Replacement

Five of eight remaining operators have been replaced. The other three will be replaced in early May.

ECN 5971 - MOV Operator Replacement

Two of three remaining operators have been replaced. The last one will be completed in early May.

ECN 6032 - Hydrogen Analyzer Replacement

The modification work is complete. The analyzers are in calibration. This clears 28 Category IV items.

ECN 6200 - Relocate Pressure Transmitters

The remaining six pressure transmitters have been relocated.

ECN 6207 - Conax Connectors

Connectors have been installed on 61 of 62 components. The remaining device will be completed in early May.

ECN 6231 - Clear Interferences

Workplans and planning activities were completed for rerouting component cooling system piping for installation of motor operators.

ECN 6278 - ABGTS and EGTS Heater Controller Replacement

The controllers were replaced at the end of the unit 2 cycle 2 outage. The moisture sensor in each controller has been suspected of being defective. A workplan is in the review cycle to jumper out this sensor. This will be completed in early May.

ECN 6282 - Limit Switch Replacement

The remaining nine unit switches have been replaced.

ECN 6398

This modification replaces limit switches with a relay scheme on ten valves. Conduit installation is in progress. The modification is expected to be completed in early May.

Appendix R

ECN 6209 - Wrap Fire Protection Blanket Around Conduit

Approximately 70 percent of the conduits assigned to this ECN have been wrapped.

ECN 6235 - Reroute Various Cables

The two workplans are in the approval cycle. Two additional workplans are being written.

ECNs 6311 and 6319 - Appendix R Items 1, 2, 4, and 5 and plug and Sprinkler Head Work in the Auxiliary Building High-Pressure Fire Protection System.

Several workplans for fire protection were completed. Approximately five discrepancies were cleared. One documentation-only item was closed. Material deliveries are holding up other fire protection work. Scheduled material delivery date is May 15.

ECN 6316 - Seal for Penetrations

Sealing work is complete.

Other Items

DCR 1739 - Install VAACS Computer

Diagnostics continue. Additional hardware has been requisitioned and will be installed after the ice outage.

DCR L2108 - Flammable Liquid Storage Building

This project is 98 percent complete. The remaining work consists of roof flashing, door hasps, and general cleanup.

ECN 5009 - ERCW Piping Changeout SS/CS

Work on the auxiliary feedwater/boric acid room cooler continued up to the start of the ice outage. Work will resume in early May.

ECN 5024 - Install Steam Generator Lay-Up Water System

Unit 2 insulation and heat trace functional were completed this period. Unit 1 insulation is still underway.

ECNs 5111 and 5503 - Office and Power Stores Building

The building has been transferred to NUC PR. The only work remaining consists of punchlist items and landscaping. Punchlist items are material related. The possibility of including semipermanent power to warehouse and shop facilities and paved yard storage work into the scope of these ECNs is being evaluated.

ECN 5119 - Install Radiation Monitor Cables in Conduit

Conduit and cable installation is complete. Finishing tie-ins and cable repulls will commence after the ice outage.

ECN 5194 - Iodine Monitor

We are waiting for the power block reconfiguration to tie in the two doors into the security system.

ECN 5200 - Postaccident Sampling Facility

Rework of postmodification test deficiencies continues.

ECN 5202 - Fifth Diesel Generator

Permanent power tie-in will be made in May. Installation of ERCW discharge piping is approximately 85 percent complete. Backfilling activities are continuing.

ECN 5237 - Laundry Facility

Remaining work is on hold until the last wall is built.

Other Items (Continued)

ECN 5373 - Condensate Demineralizer Air Compressor

All installation work is completed. The vendor representative for startup testing has been rescheduled to be here sometime in May because the unit 1 ice outage began early.

ECN 5599 - Fifth Vital Battery

This project is complete with the exception of TSI insulation work (Appendix R-related), which is continuing, and a few punchlist items. The remaining protective coating will be applied after maintenance has been completed on battery rooms I, II, III, and IV.

ECNs 5609 and 5610 - Makeup Water Treatment Plant

This project is approximately 85 percent complete. Pre-op tests are continuing. We are still awaiting approval from OE on deleting the sewage grinder system and installing a septic tank. On ECN 5610, yard piping is continuing but cannot be completed until pre-op tests are conducted. Work on Turbine Building piping and 4-inch filtered water continues. Heat trace is being installed, and the HVAC system is being balanced.

ECN 5664 - Replace Relays in Wells Fargo Alarms

Remaining work is on hold until OC abandons cables at the ERCW pumping station.

ECN 5795 - Field Services Building

Fire detection system work continues.

ECN 5841 - Hot Machine Shop

All work is complete with the exception of some work on elevation 706. This work is being delayed until Power Stores moves their operations to the new building. We are still awaiting drawings on the monorail to be added to the decontamination room. A few electrical punchlist items concerning communications, fire detection, and evacuation alarm remain.

ECNs 5932 and 5935 - Power Block Modifications

Some communication circuits have been checked out and problems solved. We received word from the project engineer on April 25 that the security plan would not be approved by NRC for at least 45 days. Some modification work to administratively controlled channels may begin in the interim.

Other Items (Continued)

ECN 5938 - Feedwater Heater Replacement

Structural work for monorails continued. Piping fabrication for heaters 3 and 4 continued. All heater nozzle modification work was completed. All heaters will be hydrostatically tested.

ECN 6057 - Cable Tray Covers

Approximately 240 out of 290 cable tray covers have been remanufactured or replaced.

ECN 6182 - Cooling Tower Repairs

This ECN was for repair of ice damage incurred during the winter of 1984. This work has been completed.

ECN 6202 - Component Cooling System Surge Tank Instrumentation

The mechanical tubing is approximately 75 percent complete. New instruments are scheduled to arrive June 1.

ECN 6204 - Electrical Penetration Overcurrent Protection

Fuse replacement and fuse block installation are complete. We are waiting for a Technical Specification change to place the circuits in operation.

ECN 6227 - Replacement of Laterals in Condensate Demineralizer Tanks

The laterals were replaced in the receiving tank; however, the supplied new laterals did not fit in the storage and anion tanks. These will be returned to HPD for modifications and will be installed at a later date.

ECNs 6238 and 6356 - ERCW Pumping Station Piping Erosion

Three of the four degraded reducers and flanges have been changed out. The last section is planned for May.

ECN 6339 - Modify Handswitches

Four main control room handswitches in each control room were modified.

ECN 6342 - Health Physics Calibration Facility

Work on this project began during the week of April 22. Red-head anchor and concrete preparation work is being performed.

Completed Items

The following items were completed during the unit 1 ice outage:

1. DCR L1786 - Replacement of Valve 1-TCV-24-69
2. DCR 2032 - Caps on Reactor Coolant Pump Flanges
3. ECN 5106 - Modifying RVLIS Head Attachment Only one other item remains on this modification.
4. ECN 5644 - Install Vents on Automatic Dump-Back System
5. ECN 5751 - Flange Penetration X117
6. ECN 5754 - Relocating Limit Switches 1-LS-2-3A, 1-LS-2-9A, and 1-LS-2-12A
7. ECN 5779 - Core Drill Main Steam Valve Room
8. ECN 5787 - Extraction Steam Brace, Unit 1
9. ECN 5889 - Access Platform, East Valve Room
10. ECN 6001 - Installation of Fire Protection Isolation Valves
11. ECN 6002 - Install Relief Valves in Condensate Storage Tank Bladder and Inspect Protective Coating
12. ECN 6004 - Modify Embedded Plate, Unit 1 Reactor Building
13. ECN 6006 - Install Relief Valves in Condensate Storage Tank Bladder and Inspect Protective Coating
14. ECN 6047 - Temporary Refueling Vessel Level System
15. ECN 6128 - Polar Crane Coupling Guards
16. ECN 6163 - Caps on Valve Packing Leak-Offs
17. ECN 6231 - Interference Reroutes for NUREG-0588 Items
18. ECN 6256 - Air In-Leakage Modifications
19. ECN 6257 - Air In-Leakage Modifications
20. ECN 6262 - Air In-Leakage Modifications
21. ECN 6311 - Appendix R - Core Drill Valve Rooms for Valve Operational Extension

Partially Completed Items

The following items were partially completed:

1. ECN 5034 - Installation of Steam Generator Access Platforms
2. ECN 5743 - Installation of Steam Generator Access Platforms
3. ECN 6196 - Modification of Pressurizer Hangers

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TENNESSEE VALLEY AUTHORITY

Sequoyah Nuclear Plant
P. O. Box 2000
Soddy-Daisy, Tennessee 37379

May 13, 1985

Nuclear Regulatory Commission
Office of Management Information
and Program Control
Washington, DC 20555

Gentlemen:

Enclosed is the Monthly Operating Report to NRC for Sequoyah Nuclear Plant for the month of April 1985.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

P.R. Wallace

P. R. Wallace
Plant Manager

Enclosure
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