

VIRGINIA ELECTRIC AND POWER COMPANY

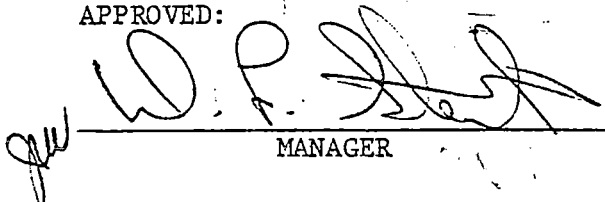
SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 79-09

SEPTEMBER, 1979

APPROVED:



MANAGER

7910190 391

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OPERATING DATA REPORT

DOCKET NO. 50-280
DATE 04 OCT 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	90179 TO 93079
3. LICENSED THERMAL POWER (MWT)	2441
4. NAMEPLATE RATING (GROSS MWE)	847.5
5. DESIGN ELECTRICAL RATING (NET MWE)	822
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	811
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE)	775
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	N/A

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)	N/A
10. REASONS FOR RESTRICTIONS, IF ANY	N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	720.0	6551.0	59375.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1713.6	37413.5
13. REACTOR RESERVE SHUTDOWN HOURS	720.0	2928.0	2928.0
14. HOURS GENERATOR ON-LINE	0.0	1711.7	36570.6
15. UNIT RESERVE SHUTDOWN HOURS	720.0	2928.0	2928.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	4159617.0	84515570.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	1335155.0	27642738.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	1268264.0	26239983.0
19. UNIT SERVICE FACTOR	0.0	26.1 %	61.6 %
20. UNIT AVAILABILITY FACTOR	100.0 %	70.8 %	66.5 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	25.0 %	57.0 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	23.6 %	53.8 %
23. UNIT FORCED OUTAGE RATE	100.0 %	73.9 %	24.2 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	REFUELING, FEB., 6 WKS, SNUBBER NOV. 20, 1 WK		

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP	OCT. 15, 1979
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	FORECAST ACHIEVED

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

OPERATING TA REPORT

CORRECTED COPY
10/1/79

DOCKET NO. 50-280
DATE 06 SEP 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3134

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	80179 TO 83179
3. LICENSED THERMAL POWER (MWT)	2441
4. NAMEPLATE RATING (GROSS MWE)	847.5
5. DESIGN ELECTRICAL RATING (NET MWE)	822
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	811
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE)	775
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	N/A

NOTES

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY N/A
(NET MWE)

10. REASONS FOR RESTRICTIONS, IF ANY N/A

THIS MONTH YR. TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	744.0	5831.0	58655.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1713.6	37413.5
13. REACTOR RESERVE SHUTDOWN HOURS	744.0	2208.0	2208.0
14. HOURS GENERATOR ON-LINE	0.0	1711.7	36570.6
15. UNIT RESERVE SHUTDOWN HOURS	744.0	2208.0	2208.0
16. GROSS THERMAL ENERGY GENERATED (MWE)	0.0	4159617.0	84515570.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWE)	0.0	1335155.0	27642738.0
18. NET ELECTRICAL ENERGY GENERATED (MWE)	0.0	1268264.0	26239983.0
19. UNIT SERVICE FACTOR	0.0	29.4 %	62.3 %
20. UNIT AVAILABILITY FACTOR	100.0 %	67.2 %	66.1 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	28.1 %	57.7 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	26.5 %	54.4 %
23. UNIT FORCED OUTAGE RATE	100.0 %	70.6 %	23.0 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

25. IF SHUT DOWN AT END OF REPORT PERIOD, SEPT 10, 1979
ESTIMATE DATE OF STARTUP

26. UNITS IN TEST STATUS FORECAST ACHIEVED
(PRIOR TO COMMERCIAL OPERATION)

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

OPERATING DATA REPORT

CORRECTED COPY
10/1/79

DOCKET NO. 50-280
DATE 02 AUG 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	001 7/1/79 TO 7/31/79
3. LICENSED THERMAL POWER (MWT)	2441
4. NAMEPLATE RATING (GROSS MWE)	847.5
5. DESIGN ELECTRICAL RATING (NET MWE)	822
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	811
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE)	775
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	N/A

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY N/A
(NET MWE)

10. REASONS FOR RESTRICTIONS, IF ANY N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	744.0	5087.0	57911.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1713.6	37413.5
13. REACTOR RESERVE SHUTDOWN HOURS	744.0	1464.0	1464.0
14. HOURS GENERATOR ON-LINE	0.0	1711.7	36570.6
15. UNIT RESERVE SHUTDOWN HOURS	744.0	1464.0	1464.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	4159617.0	84515570.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	1335155.0	27642738.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	1268264.0	26239983.0
19. UNIT SERVICE FACTOR	0.0	33.6 %	63.1 %
20. UNIT AVAILABILITY FACTOR	100.0 %	62.4 %	65.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	32.2 %	58.5 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	30.3 %	55.1 %
23. UNIT FORCED OUTAGE RATE	100.0 %	66.4 %	21.8 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

25. IF SHUT DOWN AT END OF REPORT PERIOD,
ESTIMATE DATE OF STARTUP

26. UNITS IN TEST STATUS
(PRIOR TO COMMERCIAL OPERATION)

Aug. 18, 1979
FORECAST ACHIEVED

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

DOCKET NO. 50-280
DATE 03 JUL 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

CORRECTED COPY
10/1/79

OPERATING STATUS

1. UNIT NAME SURRY UNIT 1
2. REPORTING PERIOD 679
3. LICENSED THERMAL POWER (MWT) 2441
4. NAMEPLATE RATING (GROSS MWE) 847.5
5. DESIGN ELECTRICAL RATING (NET MWE) 822
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE) 811
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE) 775
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS N/A
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE) N/A
10. REASONS FOR RESTRICTIONS, IF ANY N/A
- THIS MONTH YR-TO-DATE CUMULATIVE
- | | | | |
|---|---|-----------|------------|
| 11. HOURS IN REPORTING PERIOD | 720.0 | 4343.0 | 57167.0 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 0.0 | 1713.6 | 37413.5 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 720.0 | 720.0 | 720.0 |
| 14. HOURS GENERATOR ON-LINE | 0.0 | 1711.7 | 36570.6 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 720.0 | 720.0 | 720.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 0.0 | 4159617.0 | 84515570.0 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 0.0 | 1335155.0 | 27642738.0 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 0.0 | 1268264.0 | 25239983.0 |
| 19. UNIT SERVICE FACTOR | 0.0 | 39.4 % | 64.0 % |
| 20. UNIT AVAILABILITY FACTOR | 100.0 % | 56.0 % | 65.2 % |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 0.0 | 37.7 % | 59.2 % |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 0.0 | 35.5 % | 55.8 % |
| 23. UNIT FORCED OUTAGE RATE | 100.0 % | 60.1 % | 20.5 % |
| 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) | SNUBBER INSPECTION-60 DAYS AFTER STARTUP-1 WEEK | | |
| 25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP | 9/1/79 | | |
| 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) | FORECAST | ACHIEVED | |

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

OPERATING DATA REPORT

DOCKET NO. 50-281
 DATE 03 OCT 79
 COMPLETED BY O.J. COSTELLO
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 2		
2. REPORTING PERIOD	90179 TO 93079		
3. LICENSED THERMAL POWER (MWT)	2441		
4. NAMEPLATE RATING (GROSS MWE)	847.5	NOTES	
5. DESIGN ELECTRICAL RATING (NET MWE)	822		
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	811		
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE)	775		
8. IF CHARGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	N/A		
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)	N/A		
10. REASONS FOR RESTRICTIONS, IF ANY	N/A		

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	720.0	6551.0	56255.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	819.4	34499.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	818.9	33996.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	1957906.0	79194083.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	644305.0	25868844.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	611521.0	24536605.0
19. UNIT SERVICE FACTOR	0.0 %	12.5 %	60.4 %
20. UNIT AVAILABILITY FACTOR	0.0 %	12.5 %	60.4 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0 %	12.0 %	56.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0 %	11.4 %	53.1 %
23. UNIT FORCED OUTAGE RATE	0.0 %	0.0 %	21.0 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	SNÜBBER, FEB. 80 1-WK		
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP	1/16/80		
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	FORECAST	ACHIEVED	

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPT. 1979

DOCKEY NO. 50-280
 UNIT NAME SURRY 1
 DATE OCT. 2, 1979
 COMPLETED BY O.J. COSTELLO
 TELEPHONE (804) 357-3184

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Continuation Code ⁵	Cause & Corrective Action to Prevent Recurrence
79-7	09-01-79	F	720	D	1				<p>Continuation of shutdown due to Show Cause Order issued by the NRC concerning possible error in piping stress analysis performed by Stone & Webster.</p> <p>The Show Cause Order was modified Aug. 22nd to allow interim operation when required modifications are completed. Shutdown began on 3/19/79.</p>

1
F: Forced
S: Scheduled

2
Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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-Other (Explain)

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

REPORT MONTH SEPT. 1979

DOCKET NO. 50-281
 UNIT NAME SURRY 2
 DATE OCT. 2, 1979
 COMPLETED BY O. J. COSTELLO
 TELEPHONE (804) 357-3184

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
79-7	09-01-79	S	720	C	1				Continuation of shutdown for refueling and steam generator replacement which began on 2/4/79.

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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-Other (Explain)

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

5
 Exhibit I - Same Source

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1

MONTH: SEPTEMBER, 1979

<u>DATE</u>	<u>TIME</u>	<u>HOURS</u>	<u>LOAD, MW</u>	<u>REDUCTIONS, MW</u>	<u>MWH</u>	<u>REASON</u>
			None during this reporting period.			
MONTHLY TOTAL					0	

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO.2

MONTH: SEPTEMBER, 1979

<u>DATE</u>	<u>TIME</u>	<u>HOURS</u>	<u>LOAD, MW</u>	<u>REDUCTIONS, MW</u>	<u>MWH</u>	<u>REASON</u>
			None during this reporting period.			
MONTHLY TOTAL					0	

DOCKET NO 280
 UNIT SURRY I
 DATE 10-1-79
 COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: SEPTEMBER 79

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.0	16	0.0
2	0.0	17	0.0
3	0.0	18	0.0
4	0.0	19	0.0
5	0.0	20	0.0
6	0.0	21	0.0
7	0.0	22	0.0
8	0.0	23	0.0
9	0.0	24	0.0
10	0.0	25	0.0
11	0.0	26	0.0
12	0.0	27	0.0
13	0.0	28	0.0
14	0.0	29	0.0
15	0.0	30	0.0

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

ON THIS FORM, LIST THE AVERAGE DAILY UNIT POWER LEVEL IN MWE-NET FOR EACH DAY IN THE REPORTING MONTH. THESE FIGURES WILL BE USED TO PLOT A GRAPH FOR EACH REPORTING MONTH. NOTE THAT BY USING MAXIMUM DEPENDABLE CAPACITY FOR THE NET ELECTRICAL RATING OF THE UNIT, THERE MAY BE OCCASIONS WHEN THE DAILY AVERAGE POWER EXCEEDS THE 100 % LINE (OR THE RESTRICTED POWER LEVEL LINE). IN SUCH CASES, THE AVERAGE DAILY UNIT POWER OUTPUT SHEET SHOULD BE FOOTNOTED TO EXPLAIN THE APPARENT ANOMALY.

DOCKET NO 281
 UNIT SURRY II
 DATE 10-1-79
 COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: SEPTEMBER 79

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.0	16	0.0
2	0.0	17	0.0
3	0.0	18	0.0
4	0.0	19	0.0
5	0.0	20	0.0
6	0.0	21	0.0
7	0.0	22	0.0
8	0.0	23	0.0
9	0.0	24	0.0
10	0.0	25	0.0
11	0.0	26	0.0
12	0.0	27	0.0
13	0.0	28	0.0
14	0.0	29	0.0
15	0.0	30	0.0

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

ON THIS FORM, LIST THE AVERAGE DAILY UNIT POWER LEVEL IN MWE-NET FOR EACH DAY IN THE REPORTING MONTH. THESE FIGURES WILL BE USED TO PLOT A GRAPH FOR EACH REPORTING MONTH. NOTE THAT BY USING MAXIMUM DEPENDABLE CAPACITY FOR THE NET ELECTRICAL RATING OF THE UNIT, THERE MAY BE OCCASIONS WHEN THE DAILY AVERAGE POWER EXCEEDS THE 100 % LINE (OR THE RESTRICTED POWER LEVEL LINE). IN SUCH CASES, THE AVERAGE DAILY UNIT POWER OUTPUT SHEET SHOULD BE FOOTNOTED TO EXPLAIN THE APPARENT ANOMALY.

SUMMARY OF OPERATING EXPERIENCE

SEPTEMBER, 1979

Listed below in chronological sequence by unit is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

UNIT 1

September 1 - This reporting period begins with the unit at cold shutdown and piping stress analysis in progress.

September 30 - This reporting period ends with the unit at cold shutdown.

UNIT 2

September 1 - This reporting period begins with the unit at cold shutdown, all fuel removed from the reactor and steam generator replacement outage in progress.

September 30 - This reporting period ends with the unit at cold shutdown, with the reactor de-fueled.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

SEPTEMBER, 1979

On September 11, 1979, the Nuclear Regulatory Commission issued Amendments Nos. 53 and 52 to the Operating Licenses for the Surry Power Station Unit Nos. 1 and 2, which are designated as Technical Specification Change No. 61. The changes are the result of our request to revise the organization of Production Operations along with other miscellaneous changes. Of significance are the following changes:

1. Changes reflecting reorganization of the Production Operations Department both onsite and offsite.
2. Deletion of reference to the respiratory protection equipment since this item is now covered by 10 CFR 20.103. This change was initiated by the NRC in a letter July 28, 1977.
3. An increase of the fire brigade training and drill interval to 92 days.
4. Additional miscellaneous changes.

FACILITY CHANGES REQUIRING
NRC APPROVAL

SEPTEMBER, 1979

There were none during this reporting period.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

SEPTEMBER, 1979

Design Changes

Unit

- | | |
|--|-----|
| 1. <u>DC-79-34 - Condensate Sampling Line and Valve</u>
Description - A sampling line was installed through the shell
manway on the Condensate Storage Tanks in order to improve
sampling capabilities. | 1,2 |
|--|-----|

Summary of Safety Evaluation

This modification requires no change to Technical Specifications, does not effect the FSAR, does not effect the operation of safety-related equipment, and is not an Unreviewed Safety Question as defined in 10 CFR 50.59.

-12-
TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL

SEPTEMBER, 1979

There were none during this reporting period.

TEST AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL

SEPTEMBER, 1979

	<u>Unit</u>
<u>ST-35</u> <u>Inside Recirculation Spray Pump Test (1-RS-P-1A/1B)</u> was completed satisfactorily on 09-05-79 producing data to be used to update acceptance criteria for the PT of these pumps.	1
<u>ST-58</u> <u>Emergency Generator Neutral Inspection</u> verifying no direct connection between the generator neutral and the Excitation Power Transformer Neutral was completed 09-20-79.	2
<u>ST-64.1</u> This test utilized to obtain initial reference data on valves tested in accordance with the ISI Program was completed on 09-13-79 on the RHR System MOV's.	1

OTHER CHANGES, TESTS AND EXPERIMENTS

SEPTEMBER, 1979

There were none during this reporting period.

BURRY POWER STATION

CHEMISTRY REPORT

SEPTEMBER, 1979

T.S.6.6.A.11

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	6.28E-3	2.90E-4	1.33E-3			
Suspended Solids, ppm	0.1	0.1	0.1			
Gross Tritium, $\mu\text{Ci/ml}$	NA	NA	NA			
Iodine-131, $\mu\text{Ci/ml}$	NA	NA	NA			
I-131/I-133	NA	NA	NA			
Hydrogen, cc/kg	NA	NA	NA			
Lithium, ppm	NA	NA	NA			
Boron-10, ppm +	429	380	404			
Oxygen-16, ppm	0.000	0.000	0.000			
Chloride, ppm	0.05	0.05	0.05			
pH @ 25°C	5.26	4.31	4.97			

+ Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL
RELEASES, POUNDS
T.S. 4.13.A.8

Phosphate 53.5
Sulfate 370.0
50% NaOH 350.0

Boron 765
Chromate .06
Chlorine 0.0

Remarks: Both units shutdown entire month.

Unit II Primary & Secondary Systems drained for SGRP Pipe Welding.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

SEPTEMBER, 1979

There were none during this reporting period.

FUEL HANDLING

SEPTEMBER, 1979

Thirty-six (36) refabricated fuel assemblies were shipped from Westinghouse Nuclear Fuel Division at Columbia, South Carolina and arrived on site during this reporting period.

[illegible]

- 18 -
UNIT NO. 2
FUEL HANDLING
SEPTEMBER, 1979

DATE SHIPPED/RECEIVED	NO OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVEL
09-13-79	12	LM06FT/3.4	approx. 2.5 mR/hr.
		LM06GF/3.4	approx. 2.5 mR/hr.
		LM06F6/3.4	approx. 2.5 mR/hr.
		LM06FB/3.4	approx. 2.5 mR/hr.
		LM06GB/3.4	approx. 2.5 mR/hr.
		LM06F8/3.4	approx. 2.5 mR/hr.
		LM06FA/3.4	approx. 2.5 mR/hr.
		LM06FC/3.4	approx. 2.5 mR/hr.
		LM06G9/3.4	approx. 2.5 mR/hr.
		LM06EN/3.4	approx. 2.5 mR/hr.
		LM06EP/3.4	approx. 2.5 mR/hr.
		LM06EU/3.4	approx. 2.5 mR/hr.
09-20-79	12	LM06G3/3.4	approx. 2.5 mR/hr.
		LM06FO/3.4	approx. 2.5 mR/hr.
		LM06G7/3.4	approx. 2.5 mR/hr.
		LM06EZ/3.4	approx. 2.5 mR/hr.
		LM06GA/3.4	approx. 2.5 mR/hr.
		LM06FX/3.4	approx. 2.5 mR/hr.
		LM06GG/3.4	approx. 2.5 mR/hr.
		LM06F4/3.4	approx. 2.5 mR/hr.
		LM06GH/3.4	approx. 2.5 mR/hr.
		LM06G8/3.4	approx. 2.5 mR/hr.
		LM06G0/3.4	approx. 2.5 mR/hr.
		LM06F9/3.4	approx. 2.5 mR/hr.

SEPTEMBER, 1979

[illegible]

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE FSAR

SEPTEMBER, 1979

There were none during this reporting period.

DESCRIPTION OF PERIODIC TESTS WHICH WERE NOT
COMPLETED WITHIN THE TIME LIMITS
SPECIFIED IN TECHNICAL SPECIFICATIONS

SEPTEMBER, 1979

There were none during this reporting period.

INSERVICE INSPECTION

SEPTEMBER, 1979

A partial ultrasonic inspection was completed in "A" Steam Generator (Unit #1) feedwater system on the nozzle to reducer weld. This weld is not suitable for shear wave inspection.

Magnetic particle inspection was completed on the feedwater valves (Unit #1) (FW-41, FW-40, FW-72) in the repair areas.

Eddy Current inspection of Unit #2 Steam Generators (peripheral tubes only) was completed, results compared satisfactorily to the baseline data previously taken.

DEPT=NDT

UNIT1
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WRPERF	U	NR	TOTWNTM
09/15/79	RC	SG	1-RC-E-1A	NDT FW NOZZLE	INSPECTED NOZZLE AND REMOVED INDICA	1	907121015	1537
09/24/79	FW	VALVE	1-FW-41	INSPECT AND REPAIR	REPAIRED AREAS INSIDE OF CHECK VALVE	1	908131110	1002
09/24/79	FW	VALVE	1-FW-10	INSPECT AND REPAIR	INSPECTED VALVE INTERNAL WALLS	1	908131111	1002
09/24/79	FW	VALVE	1-FW-72	INSPECT AND REPAIR	REPAIRED AREAS INSIDE OF CHECK VALVE	1	908131112	1002

DEPT TOTAL

4543

DEPT=NDT

UNIT2
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERT	U	MR	TOTLWNTM
09/19/79	RC	SG	2-RC-E-1C	PERFORM EDDY CURRENT	PERFORMED ET RESULTS SATISFACTORY	2	908230740	6
09/19/79	RC	SG	2-RC-E-1B	PERFORM EDDY CURRENT	PERFORMED ET RESULTS WERE SATISFACTO	2	908230741	529
09/19/79	RC	SG	2-RC-E-1A	PERFORM EDDY CURRENT	PERFORMED ET RESULTS SATISFACTORY	2	908230747	337
								872
DEPT TOTAL								

REPORTABLE OCCURRENCES PERTAINING TO
ANY OUTAGE OR POWER REDUCTIONS

SEPTEMBER, 1979

There were none during this reporting period.

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

DEPT=MECH

UNIT1
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTWTRM
08/27/79	CS	PIPING	8-CS-33	D/C 79-S32A	COMPLETED AS PER SKETCH	1	907240947	627
08/27/79	MS	PIPING	2-SHP-31	DC 79-S32A INSTALL SPRING HANGER	COMPLETED AS PER SKETCH	1	907251240	695
08/27/79	PR	SPRG HGR	RH-SH-3	SET SPRING HANGER	ADJUSTED SPRING HANGER	1	908161230	224
08/27/79	BR	PUMP	BR-P-8	SEAL LEAKAGE	REPLACED SEAL AND COUPLING	1	908240635	53
08/27/79	CC	VALVE	1-CC-59	CHECK VALVE FAILS TO CLOSE	REPAIRED VALVE	1	908261420	9
09/01/79	SI	PIPING		REPAIR HANGER AS PER ATTACHED SKETCH	REPAIRED HANGER AS PER SKETCH	1	908241530	10
09/01/79	GW	COMPRESS	1-GW-C-1A	COMPRESS WILL NOT MOVE AIR	COMPRESSOR PUMPS AIR	1	908281101	9
09/01/79	CC	VALVE	1-CC-764	CHECK VALVE STICKS OPEN	CLEANED CHECK VALVE	1	908281431	4
09/01/79	PR	SPRG HGR		SUPPORT ON WALL BOLTS HAND TIGHT	TIGHTEN BOLTS	1	909011215	2
09/02/79	SI	PIPING	8-SI-170	SHIM PER ATTACHED SKETCH	INSTALLED NEW HOLD DOWN RING	1	908301401	65
09/02/79	CC	PIPING	18-CC-235	REMOVE SUPPORT PER SKETCH	REMOVED SUPPORT AS PER SKETCH	1	908301437	72
09/02/79	CC	VALVE	1-CC-752	VALVE NOT CLOSING PROPERLY	REPAIRED VALVE	1	909020730	5
09/03/79	SI	PIPING	6-SI-50	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301354	88
09/03/79	SI	PIPING	6-SI-49	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301356	88
09/03/79	SI	PIPING	6-SI-49	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301357	88
09/03/79	SI	PIPING	6-SI-50	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301359	88
09/03/79	SI	PIPING	6-SI-50	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301400	88
09/04/79	CC	VALVE	1-CC-185	POSITION INDICATOR NOT WORKING	TIGHTENED SET SCREW	1	908261045	113
09/04/79	RC	VALVE	HCV-RC-1556C	PACKING LEAKS	TIGHTEN GLAND	1	908290400	5
09/04/79	SI	PIPING	6-SI-49	SHIM PER ATTACHED SKETCH	SHIMED AS PER SKETCH	1	908301358	111
09/05/79	IA	PIPING		REPAIR CRIMPED LINE	REPAIRED AIR LINE	1	908241430	24
09/05/79	CC	INSTR	FI-CC-118A	UNABLE TO READ FLOW INDICATOR	CLEANED INDICATOR	1	909021530	2
09/05/79	IA	COMPRESS	1-1A-C-B	INSTALLED SUCTION FILTER	INSTALLED CAN	1	909021602	3
09/06/79	BR	PUMP	BR-C-1A	PUMP DOES NOT COMPRESS	REPLACED ORINGS AND DIAPHRAGMS	1	907241350	24
09/06/79	CC	VALVE	1-CC-637	MISSING HANDWHEEL	INSTALLED HANDWHEEL	1	909011006	2
09/06/79	CV	VALVE	1-CV-46	REINSTALL VALVE BONNET	INSTALLED BONNET	1	909051006	24
09/06/79	CH	PIPING	8-CH-17	SHIM PER ATTACHED ATTACH	INSTALLED AS PER DRAWING	1	909051337	23
09/06/79	CH	PIPING	8-CH-17	SHIM PER ATTACHED SKETCH	INSTALLED AS PER DRAWING	1	909051338	23
09/06/79	RM	PUMP	RMS 159/160	PUMP SEIZED UP	REPLACED PUMP	1	909060400	7
09/07/79	CV	VALVE	1-CV-45	REINSTALL VALVE BONNET	RE-INSTALLED BONNET	1	909051005	50
09/07/79	RM	MONITOR	RI-SS-112	MONITOR READING HI CLEAN	CLEANED MONITOR	1	909051300	26
09/07/79	RM	MONITOR	RI-SS-113	MONITOR READING HI CLEAN	CLEANED MONITOR	1	909051301	26
09/10/79	CC	PIPING	1-CC-413	FITTING LEAK	STOPPED LEAK	1	909071333	8
09/11/79	SW	PUMP	1-SW-P-1B	ADJUST PACKING GLAND	ADJUSTED PACKING	1	909041425	24
09/11/79	BS	OTHER	H-24	CONDUCT ANCHOR REPAIR	ADDED NEW PLATE WITH 1 INCH HILTI	1	909100714	29
09/12/79	SI	VALVE	A	LOCAL SAMPLE VALVE IS BROKEN	FIXED VALVE	1	909071507	6
09/12/79	SI	VALVE	C	LOCAL SAMPLE VALVE IS BROKEN	FIXED VALVE	1	909071508	6
09/12/79	RC	VALVE	HCV-RC-1556A	ADJ PACKING CLEAN OFF BORIC ACID	ADJUSTED PACKING + CLEANED	1	909111209	7
09/12/79	RC	VALVE	HCV-RC-1556B	ADJUST PACKING AND CLEAN	ADJUSTED PACKING + CLEANED	1	909111210	7
09/12/79	RC	VALVE	HCV-RC-1556C	ADJUST PACKING AND CLEAN	ADJUSTED PACKING + CLEANED	1	909111211	7
09/13/79	PG	PUMP	1-PG-P-1B	PUMP SEIZED	REPAIRED PUMP	1	909090600	77
09/13/79	IA	COMPRESS	1-IA-C-1	AIR CLEANER SUPPORT BROKEN	REPAIRED AIR CLEANER SUPPORTS	1	909111757	24
09/13/79	CC	HX	1-CC-E-1C	CC TO SW TUBE LEAK	PLUGGED LEAKING TUBE	1	909121557	14
09/14/79	RH	MOV	MOV-RH-1700	ADJUST PACKING AND CLEAN	CLEANED VALVE AND ADJUSTED PACKING	1	909111207	5
09/14/79	RC	VALVE	1-RC-45	ADJUST PACKING AND CLEAN	CLEANED VALVE AND ADJUSTED PACKING	1	909111208	96
09/14/79	VS	CHILLER	1-VS-AC-1	CHILL WATER CONTROL VALVE LEAK BY	OPERATED VLV VLV WORKS	1	909121240	8
09/17/79	PR	SNUBBER		TEST 47 SNUBBERS	TESTED 47 SNUBBERS	1	909131731	78

DEPT=MECH

UNIT 1
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RET/SERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTW/MIN
09/18/79	RH	PUMP	1-RH-P-1B	SEAL LEAK	REPAIRED SEAL LEAK	1	909030810	165
09/18/79	FW	VALVE	1-FW-73	VALVE CLOGGED WILL NOT PASS FLOW	UNCLOGGED VALVE	1	909171130	6
09/18/79	FW	VALVE	1-FW-11	VALVE CLOGGED WILL NOT PASS FLUID	UNCLOGGED VALVE	1	909171131	6
09/19/79	CS	VALVE	1-CS-13	ADJUST WEIGHT ARM	ADJUSTED WEIGHT ARM	1	909171145	25
09/19/79	FW	MOV	MOV-FW-151D	PACKING LEAK	ADJUSTED PACKING	1	909171517	2
09/19/79	CV	PIPING		REPAIR HANGER ON 4 LINE	REPAIRED PIPE HANGER	1	909181400	2
09/20/79	CC	PIPING		CONDUCT ST 15 P 2	COMPLETED	1	909110925	216
09/20/79	CH	PUMP	1-CH-P-2D	SUCTION FLANGE AND PMP SEAL LEAK	REPLACED SEAL ASSY	1	909171852	47
09/20/79	RH	PIPING	1-RH-003	INSTALL BLANK FLANGE	INSTALLED BLANK FLANGE	1	909181100	26
09/20/79	RH	PIPING	1-RH-9	INSTALL BLANK FLANGE	INSTALLED BLANK FLANGE	1	909181101	26
09/20/79	CS	VALVE	1-CS-13	OPEN AND INSPECT FOR BINDING	FREED UP VALVE STEM	1	909190810	26
09/21/79	FP	CARDOX		N2 LEAK ON FUEL OIL PMP HOUSE	OK	1	909160600	2
09/21/79	CH	VALVE	HCV-CH-1200A	SLIGHT BODY TO BONNET LEAK	STOPPED LEAK	1	909181102	13
09/24/79	RC	PIPING	14-WFPD-17-601	REPAIR WELD NO 3-POROSITY	WELD WAS CUT OUT BECAUSE OF 90 ELBO	1	907161140	1675
09/24/79	RC	PIPING	14-WFPD-17-601	REPAIR WELD NO 4 LINEAR INDICATIONS	REPLACED 90 DEG ELBOW	1	907161141	1675
09/24/79	FW	VALVE	1-FW-72	OPEN FOR REMOVAL OF WATER IN LINE	REPAIRED CHECK VALVE	1	907250730	1487
09/24/79	CH	VALVE	MOV-CH-1373	PACKING LEAKS WHEN VALVE IS CLOSED	ADJUSTED PACKING	1	909191516	75
09/24/79	CC	HX	1-CC-E-1C	TUBE LEAK	HYDRO COOLER NO LEAKS	1	909192230	118
09/25/79	FW	PIPING	14-WFPD-17-6	REMOVE 14 TO 16 IN REDUCER	REPLACED REDUCER A S/G	1	907020943	2013
09/25/79	FW	PIPING	14-WFPD-13-6	REMOVE 14 TO 16 IN REDUCER	REPLACED REDUCER B S/B	1	907020944	2013
09/25/79	FW	PIPING	14-WFPD-9-60	REMOVE 14 TO 16 IN REDUCER	REPLACED REDUCER C S/G	1	907020946	2103
09/25/79	RC	MOV	MOV-1595	HANDWHEEL NOT ENGAGING ON DRIVE SHAFT	REPAIRED VALVE WHEEL	1	909250330	1
09/26/79	FW	PIPING	1-FW-227	PIPING BENT AND BROKEN 3A AUX FD PMP	REPLACE TUBING	1	909121627	3
09/26/79	CS	VALVE	1-CS-13	INSTALL SPECTACLE FLANGES	COMPLETED SPECTACLE FLANGES	1	909161400	225
09/26/79	CH	PUMP	1-CH-P-2C	PUMP SEAL LEAK	REPLACED MECHANICAL SEAL	1	909171853	48
09/26/79	PR	SPRG HGR		TIGHTEN ALL NUTS ON U-BOLTS	COMPLETED	1	909260812	4
09/26/79	PR	SPRG HGR		TIGHTEN ALL NUTS ON U-BOLTS	COMPLETED	1	909260813	4
09/26/79	PR	SPRG HGR		TIGHTEN ALL NUTS ON U-BOLT	COMPLETED	1	909260814	4
09/27/79	RS	PUMP	1-RS-P-1A	A DEWATERING PUMP DOES NOT PUMP	REBUILT PUMP	1	909072040	428
09/27/79	RS	PUMP	1-RS-P-1B	B DEWATERING PUMP NOT INSTALLED	FIXED IT PERMANENTLY	1	909072041	428
09/27/79	CS	VALVE	1-CS-24	INSTALL SPECTACLE FLANGES	COMPLETED AS PER ITEM 10	1	909161401	235
09/28/79	RC	VALVE	HCV-RC-1557A	BODY TO BONNET LEAK	RENEWED GASKET	1	909111205	31
09/28/79	CH	VALVE	LCV-CH-1460B	BODY TO BONNET LEAK	REPAIRED VALVE	1	909111206	60
09/28/79	BR	VALVE	1-BR-26	BODY TO BONNET LEAK	REPLACE DIAPHRAGM	1	909221450	20
09/28/79	CH	PUMP	2-CH-P-2C	FLANGE ON DISCHARGE OF PUMP LEAKS	REPLACED GASKET	1	909261335	5

DEPT TOTAL

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance

DEPT=MECH

UNIT2-
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	NR	TOTDWNFM
08/21/79	CH	MOV	MOV2286B	LEAKS THRU	REDUCED VALVE REPACKED REPLACED GASK	2	800140826	144
08/21/79	CH	VALVE	MOV	VALVE LEAKING	REPACKED BILGED SEATS REPLACED GASKET	2	811020745	192
08/21/79	PR	SPRG HGR	WFPD-SH-86	REMOVE SPRING HANGER WFPD-SH-86	REMOVED SPRING HANGER	2	908271026	23
09/05/79	EE	COMPRESS		LISTER DIESEL NEEDS A WING NUT	INSTALLED HEX NUT ON INTAKE FILTER	2	908310540	6
09/05/79	EE	COMPRESS		BASEPLATE BOLTS LOOSE	TIGHTEN BOLTS	2	909021601	6
09/06/79	EE	MISC	2-EG-19	VALVE LEAKS ON AIR STRAINER DRN	REPLACED VALVE	2	909042115	1
09/07/79	RC	VALVE	HCV-RC-2549	INSPECT VALVE FOR LEAKAGE THRU SEAT	REPLACED DIAPHRAM	2	907101541	1195
09/10/79	PR	SNUBBER	2-RH-HSS-100	REMOVE AND INSTALL IN NEW LOCATION	REVERSED LOCATIONS	2	909100830	4
09/12/79	SI	VALVE	2-SI-8	REPLACE VALVE CAP	INSTALLED PIPE CAP	2	908221512	448
09/12/79	CH	VALVE	2-CH-406	REPLACE VALVE CAPS	INSTALLED PIPE CAP	2	908221515	448
09/12/79	CH	VALVE	2-CH-404	REPLACE VALVE CAPS	INSTALLED PIPE CAP	2	908221516	448
09/12/79	CH	VALVE	2-CH-411	REPLACE VALVE CAPS	INSTALLED PIPE CAP	2	908221517	448
09/17/79	SI	VALVE	2-SI-1	REPLACE VALVE CAP	REPLACED CAP	2	908221511	564
09/17/79	SI	VALVE	2-SI-187	REPLACE VALVE CAPS	REPLACED CAP	2	908221514	16
09/24/79	FW	PIPING	14-WFPD-117-60	REPAIR WELD > REMOVE POROSITY	REPAIRED AREA ON NO 7 WELD	2	909171430	144
09/26/79	CH	VALVE	2-CH-314	VALVE LEAK IN BACKSEAT POSITION	REPLACED VALVE	2	812041502	384
09/28/79	CC	VALVE	2-CC-185	SEAT LEAKAGE	REPAIRED VALVE	2	906131530	41
09/28/79	CC	VALVE	2-CC-109B	VALVE BINDING	REPAIRED VALVE	2	908031300	1338
09/28/79	CH	FILTER	2-CH-FL-1	FLANGE LEAK ON FILTER	RENEWED GASKET	2	909201945	90

DEPT TOTAL

5940

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

DEPT=ELEC

UNIT 1
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	MR	TOTDMMTM
08/27/79	SI	HT	CKT .22A-PNL9	BAD HEAT TAPE	REPLACED DEFECTIVE HEAT TAPE	1	908061310	459
08/27/79	SI	HT	CKT .22A-PNL8	BAD HEAT TAPE	REPLACED DEFECTIVE HEAT TAPE	1	908061315	459
08/27/79	CH	HT	PNL9CKT2F	BAD HEAT TAPE LOW AMPS	TESTED SAT	1	908220801	72
08/27/79	CH	HT	PNL8CKT2F	BAD HEAT TAPE LOW AMPS	TESTED SAT	1	908220802	72
08/27/79	CH	VALVE	LCV-1460A	REPLACE ASCO SOLENOID VALVE	NEW SOV INSTALLED	1	908241216	50
08/27/79	CH	VALVE	LCV-1460B	REPLACE ASCO SOLENOID VALVE	NEW SOV INSTALLED	1	908241217	50
08/27/79	CH	VALVE	HCV-1200A	REPLACE ASCO SOLENOID VALVE	NEW SOV INSTALLED	1	908241218	50
08/27/79	CH	VALVE	HCV-1200B	REPLACE ASCO SOLENOID VALVE	TESTED SAT	1	908241219	51
08/27/79	CH	VALVE	HCV-1200C	REPLACE ASCO SOLENOID VALVE	TESTED SAT	1	908241220	51
08/27/79	VG	VALVE	TV-VG-209A	REPLACE ASCO SOLENOID VALVE	TESTED SAT	1	908241222	75
08/27/79	SI	VALVE	TV-SI-201A	REPLACE ASCO SOLENOID VALVE	INSTALLED NEW TYPE SOV TESTED SAT	1	908241223	56
09/05/79	SW	PMP KMTR	1-SW-P-10B	PUMP MTR TRIPPED ON OVERLOAD	PERFORMED PROCEDURE WITH SAT TEST	1	909050755	12
09/06/79	CC	VALVE	HCV-CC-108	VALVE IS FAILED CLOSED	ADJUSTED LIMIT SWITCH TESTED SAT	1	908300345	144
09/10/79	CH	HT	CKT30A-PNL9	BAD HEAT TAPE	REPLACED TAPE WITH ECONO WRAP	1	909071030	75
09/12/79	CH	HT	CKT21A-PNL9	BAD HEAT TAPE	REPLACED ALL THE HEAT TAPE	1	909071031	48
09/12/79	SW	MOV	MOV-SW-105B	VALVE DOES NOT OPERATE	ADJUSTED MANUAL HANDLE ON MOV	1	909081731	48
09/12/79	MS	VALVE	TV-MS-109	WILL NOT STAY CLOSED	ADJUSTED SEAL IN SWITCH SAT	1	909091815	48
09/12/79	CH	PMP MTR		MOTOR WILL NOT RUN	TESTED SAT	1	909100703	48
09/13/79	BS	OTHER		SEAL BARRIER PT 24.11	GROUTED CONDUIT PENETRATION	1	907011316	192
09/14/79	BS	OTHER		SEAL BARRIER PT 24.11	GROUTED ELECTRICAL PENETRATION	1	907011320	216
09/14/79	RC	INSTR	PR-1-444	STRIP CHART WON'T ROTATE	TESTED SAT	1	909130410	30
09/18/79	BR	PMP MTR	1-PG-P-1B	NOISY MOTOR BEARINGS	RENEWED BEARINGS	1	909141740	24
09/18/79	BD	INSTR	TV-BD-100E	CHECK LOOSE PUSHBUTTON	TIGHTENED CONNECTION+TESTED	1	909171225	2
09/18/79	FW	INSTR	1-FCV-1498	LIMIT SWITCH NEEDS REPAIR	FREED SWITCH+TESTED	1	909171510	2
09/19/79	CC	VALVE	TV-CC-109A	DOES NOT GO SHUT	ADJUSTED SWITCHES CLEARED AIR LINE	1	909181512	10
09/20/79	CH	HT		PANEL 8+9 CK 13A REPAIRED	REMOVED OLD TAPE INSTALLED NEW TYPE	1	909181500	9
09/21/79	SI	MOV	MOV-1860A	WATER IN LIMITORQUE	VALVE CHECK SAT	1	909191150	42
09/28/79	CH	VALVE	HCV-1200C	SOL VALVE LEAKS THRU	INSTALLED NEW SOV SAT OPERATION	1	909250950	46

DEPT TOTAL

2441

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Electrical Maintenance

DEPT=ELEC

UNIT 2
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDNTM
09/12/79	RC	VALVE	HCV-RC-2549	LIMIT SWITCHES DO NOT FUNCTION	ADJUSTED LIMIT SWITCH TEST SAT	2	909080650	48
09/12/79	CH	HT	2-CH-358	LOW TEMP ALARM	ALARM CLEARED	2	909082203	48
09/13/79	CH	HT	PNL9-27A	REPLACE DAMAGED HEATERS	REPLACED STRIP HEATERS	2	909130744	4
09/14/79	BS	OTHEK		SEAL BARRIER PT 24.11	FILLED PENETRATION	2	907011332	716
09/14/79	IA	COMPRESS	2-IA-C-1	CONTROL HANDLE INOPERABLE	TIGHTENED SET SCREW	2	909111756	48
09/14/79	CH	HT	PNL 8-CKT27A	REPLACE DAMAGE HEATERS	REPLACED STRIP HEATERS	2	909130742	24
09/18/79	EPH	BREAKER	25H4	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251348	3432
09/24/79	KT	RELAY	25H4	KT PMS	PERFORMED RELAY MAINTENANCE	2	901261408	4608
09/24/79	EPDC	CHARGERS		REMOVE COVER TO PREVENT OERHEATING	REMOVED TOP COVERS	2	909202200	67

DEPT TOTAL

8995

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Instrument Maintenance

DEPT=INST

UNIT1
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEKVD	SYS	COMP	MARKNO	SUMMARY	WKTFRF	U	MR	TOTWNTM
09/04/79	BR	INSTR	FCV-BR-101A	BROKEN STRING TO FEED FLOW PEN	REPLACED PEN CORD	1	908280445	47
09/10/79	CS	INSTR	TI-CS-100A	RESET HI TEMP ALARM	RESET ALARM MAG AMP	1	909051346	79
09/10/79	NI	MISC	NR-1-43	DOES NOT ROTATE	ALIGNED GEAR TRAIN	1	909070430	78
09/11/79	BR	VALVE	LCV-BR-100	DOESN'T LIMIT FLOW CHECK VALVESTROKE	COMPLETE-MR LOST	1	812162	0
09/11/79	GW	INSTR	02-AGW-102B	CALIBRATE O2 ANALYSER	CALIBRATED ANALYZER+LOOP	1	908021001	669
09/13/79	CS	INSTR	TI-CS-100A	CHECK CALIBRATION	ADJUSTED LOW LEVEL AMPLIFIER	1	909071800	77
09/13/79	RM	MONITOR	RM-RMS-152	INVESTIGATE SPORADIC ALARMS	FOUND NO PROBLEMS OR ALARMS	1	909082340	78
09/13/79	BR	INSTR	LS-BR-116A2	HIGH LEVEL ALARM NOT COMING IN	CHECKED ALARMS IN SPECS ON A+B	1	909130501	2
09/14/79	FW	INSTR	LI-1-476	NEEDS CALIBRATION	CALIBRATED TRANSMITTER	1	909130400	28
09/14/79	FW	INSTR	LI-1-496	FAILED LOW	CALIBRATED TRANSMITTER	1	909130401	28
09/14/79	RC	INSTR	LR-459	STRIP CHARTS WON'T ROTATE	TESTED SAT	1	909130411	26
09/14/79	RC	INSTR	TR-1-412	STRIP CHARTS WON'T ROTATE	FREE GEAR DRIVE RELACED MOTOR	1	909130412	28
09/14/79	RM	MONITOR	RM-RMS-163	DOES NOT RESPOND TO SOURCE	REPLACED DETECTOR	1	909140621	3
09/16/79	CC	INSTR	FT-CC-110A	FLOW TRANSMITTER NEED TO BE CAL	CHECKED CALIBRATION	1	909081735	3
09/18/79	CC	INSTR	FT-CC-100A	FLOW TRANSMITTERS NEED TO BE CAL	CALIBRATED TRANSMITTER	1	909081730	48
09/18/79	BR	INSTR	LI-BR-116B	NEEDS TO BE CALIBRATING	CALIBRATED TRANSMITTER	1	909130500	72
09/24/79	RC	INSTR	TR-1-412	DRIVE GEAR BROKEN ON RECORDER	REPAIRED DRIVE GEAR	1	909221435	5
09/26/79	BR	INSTR	FCV-BR-102B	FLOW PEGGED HIGH	CHECKED OUT CONTROLLER	1	909231506	24

DEPT TOTAL

1295

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Instrument Maintenance

DEPT=INST

UNIT2
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTWNTM
09/10/79	CC	INSTR	SOV-CC-202A	REPAIR AIRLINE LEAK	TIGHTEN FITTING	2	908291217	101
								101
DEPT TOTAL								101

SEPTEMBER, 1979

There was no single release of radioactivity or radiation exposure specifically associated with an outage that accounted for more than 10% of the allowable annual values in 10 CFR 20.

PROCEDURE DEVIATIONS REVIEWED BY STATION NUCLEAR
SAFETY AND OPERATING COMMITTEE AFTER TIME LIMITS
SPECIFIED IN TECHNICAL SPECIFICATIONS

SEPTEMBER, 1979

<u>NUMBER</u>	<u>UNIT</u>	<u>TITLE</u>	<u>DEVIATION</u>
PT-2.18 (L-1-924)	1	Safety Injection Accumulator Tank Level	Omit steps due to calibration of indicator.

This procedure was deviated August 21, 1979 and reviewed by the Station Nuclear Safety and Operating Committee September 25, 1979.

PT-2.1 (T-432)	1	Overpower-Overtemperature Delta T Protection	Omit steps for calibration of instrument.
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This procedure was deviated June 20, 1979 and reviewed by the Station Nuclear Safety and Operating Committee September 25, 1979.