

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 80-03

MARCH, 1980

APPROVED:

  
MANAGER

8004170 244

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OPERATING DATA REPORT

DOCKET NO. 50-280  
DATE 02 APR 80  
COMPLETED BY O.J. COSTELLO  
TELEPHONE 894-359-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 1  
2. REPORTING PERIOD 30180 TO 33180  
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 N/A  
(ITEMS 3 THROUGH 7) SINCE LAST  
REPORT, GIVE REASONS

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	2184.0	63768.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1016.2	39767.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	182.6	3731.5
14. HOURS GENERATOR ON-LINE	0.0	1010.4	38915.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	183.6	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	2438340.0	90153212.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	785655.0	29466153.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	746810.0	27973709.0
19. UNIT SERVICE FACTOR	0.0 %	46.3 %	61.0 %
20. UNIT AVAILABILITY FACTOR	0.0 %	54.7 %	66.9 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0 %	44.1 %	56.6 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0 %	41.6 %	53.4 %
23. UNIT FORCED OUTAGE RATE	0.0 %	53.7 %	26.0 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	REFUELLING - 9/80 - 6 WKS.		

25. IF SHUT DOWN AT END OF REPORT PERIOD, 4/28/80  
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 REPORT

DOCKET NO. 50-280  
DATE 20 MAR 80  
COMPLETED BY O.J. COSTELLO  
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1		
2. REPORTING PERIOD	10180	TO	13180
3. LICENSED THERMAL POWER (MWT)	2441	<div style="border: 1px dashed black; padding: 5px;"> NOTES </div>	
4. NAMEPLATE RATING (GROSS MWE)	849.5		
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	744.0	744.0	62328.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	561.4	561.4	39313.0
13. REACTOR RESERVE SHUTDOWN HOURS	182.6	182.6	3731.5
14. HOURS GENERATOR ON-LINE	556.1	556.1	38461.1
15. UNIT RESERVE SHUTDOWN HOURS	183.6	183.6	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1337473.0	1337473.0	89052345.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	430185.0	430185.0	29110683.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	409019.0	409019.0	27635918.0
19. UNIT SERVICE FACTOR	74.7 %	74.7 %	61.7 %
20. UNIT AVAILABILITY FACTOR	99.4 %	99.4 %	67.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	70.9 %	70.9 %	57.2 %
22. UNIT CAPACITY FACTOR (USING DER NET)	66.9 %	66.9 %	53.9 %
23. UNIT FORCED OUTAGE RATE	25.3 %	25.3 %	24.8 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	REFUELING JUNE 1980 6 WEEKS		

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

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

FORECAST      ACHIEVED

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

OPERATING DATA REPORT

CORRECTED REPORT

DOCKET NO. 50-280  
DATE 02 APR 80  
COMPLETED BY C.J. COSTELLO  
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	20180 TO 22980
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	696.0	1440.0	63024.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	454.8	1016.2	39767.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	182.6	3731.5
14. HOURS GENERATOR ON-LINE	454.3	1010.4	38915.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	183.6	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1100867.0	2438340.0	90153212.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	355470.0	785655.0	29466153.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	337791.0	746810.0	27973709.0
19. UNIT SERVICE FACTOR	65.3 %	70.2 %	61.7 %
20. UNIT AVAILABILITY FACTOR	65.3 %	83.2 %	67.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	62.6 %	66.9 %	57.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	59.0 %	63.1 %	54.0 %
23. UNIT FORCED OUTAGE RATE	34.7 %	29.8 %	25.0 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	REFUELLING JUNE 1980 6 WEEKS		

25. IF SHUT DOWN AT END OF REPORT PERIOD,  
ESTIMATE DATE OF STARTUP  
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 02 APR 80  
COMPLETED BY O.J. COSTELLO  
TELEPHONE 804-359-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 2  
2. REPORTING PERIOD 30180 TO 33180  
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) 795  
8. IF CHANGES OCCUR IN CAPACITY RATINGS N/A  
(ITEMS 3 THROUGH 7) SINCE LAST  
REPORT, GIVE REASONS

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	2184.0	60648.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	0.0	34499.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	0.0	33996.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	0.0	79194083.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	0.0	25868844.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	0.0	24536605.0
19. UNIT SERVICE FACTOR	0.0	0.0	56.1 %
20. UNIT AVAILABILITY FACTOR	0.0	0.0	56.1 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	52.2 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	49.2 %
23. UNIT FORCED OUTAGE RATE	0.0	0.0	21.0 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

25. IF SHUT DOWN AT END OF REPORT PERIOD, 5/22/80  
ESTIMATE DATE OF STARTUP

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

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1980

DOCKET NO. 50-280  
 UNIT NAME Surry Unit 1  
 DATE 4-1-80  
 COMPLETED BY O.J. Costello  
 TELEPHONE (804) 357-3184

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
8-5	3-1-80	F	744	D	1	80-018			Continuation of shutdown for piping restraint modification and turbine rotor inspection which began 2-19-80.

<sup>1</sup> F: Forced  
 S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup> Exhibit I - Same Source



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1980

DOCKET NO. 50-281  
 UNIT NAME Surry Unit 2  
 DATE 4-1-80  
 COMPLETED BY O.J. Costello  
 TELEPHONE (804) 357-3184

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-3	3-1-80	S	744	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: MARCH, 1980

<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: MARCH, 1980

<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 50-280  
UNIT SURRY I  
DATE 4-1-80  
COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MARCH 80

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.0	17	0.0
2	0.0	18	0.0
3	0.0	19	0.0
4	0.0	20	0.0
5	0.0	21	0.0
6	0.0	22	0.0
7	0.0	23	0.0
8	0.0	24	0.0
9	0.0	25	0.0
10	0.0	26	0.0
11	0.0	27	0.0
12	0.0	28	0.0
13	0.0	29	0.0
14	0.0	30	0.0
15	0.0	31	0.0
16	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 58-281  
UNIT SURRY II  
DATE 4-1-80  
COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MARCH 80

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.0	17	0.0
2	0.0	18	0.0
3	0.0	19	0.0
4	0.0	20	0.0
5	0.0	21	0.0
6	0.0	22	0.0
7	0.0	23	0.0
8	0.0	24	0.0
9	0.0	25	0.0
10	0.0	26	0.0
11	0.0	27	0.0
12	0.0	28	0.0
13	0.0	29	0.0
14	0.0	30	0.0
15	0.0	31	0.0
16	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.

-9-  
SUMMARY OF OPERATING EXPERIENCE

MARCH, 1980

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

- March 1 - This reporting period begins with the unit at cold shutdown for piping modifications and turbine inspection.
- March 31 - This reporting period ends with the unit at cold shutdown.

UNIT 2

- March 1 - This reporting period begins with the unit at cold shutdown, all fuel removed from the reactor and steam generator replacement in progress.
- March 8 - At 2042 commenced pressurizing Unit 2 containment to 45 psig for Type A test.
- March 9 - Containment pressure reached 45 psig at 0707.
- March 16 - At 0210 commenced depressurizing containment. Containment overpressure (Type A) test aborted to allow repair of those leaks discovered during test. Another Type A test will be performed after repairs are complete.
- March 31 - This reporting period ends with the unit at cold shutdown.

-10-  
AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

MARCH, 1980

On March 4, 1980, the Nuclear Regulatory Commission issued Amendment Nos. 56 and 55 to the Operating License for the Surry Power Station Unit Nos. 1 and 2, respectively, which are designated as Technical Specification Charge No. 63. This change is the result of an NRC request to add requirements for low temperature overpressure protection. Of significance are the following changes:

1. Addition of limiting conditions for operation of the Reactor Coolant System overpressure mitigating system.
2. Addition of surveillance requirements for the Reactor Coolant System overpressure mitigating system.

On March 4, 1980, the Nuclear Regulatory Commission issued Amendment Nos. 57 and 56 to the Operating License for the Surry Power Station Unit Nos. 1 and 2, respectively, which are designated as Technical Specification Charge No. 64. This change is the result of our request to modify our heatup and cooldown curves. Of significance are the following changes:

1. Revision of the heatup and cooldown curves.
2. Revision of the materials irradiation testing method.

-11-  
FACILITY CHANGES REQUIRING  
NRC APPROVAL

MARCH, 1980

None during this reporting period.

FACILITY CHANGES THAT  
DID NOT REQUIRE NRC APPROVAL

The following facility change was implemented during the month of March:

Design Change

Unit

- |    |   |   |
|----|---|---|
| 1. | <u>DC-79-S01 - Spare Containment Piping Penetrations</u>  | 2 |
|    | This design change provides for capping those unused piping penetrations which are presently capped only at one end (inside containment). The additional capping outside containment will insure compliance with Surry FSAR 5.2-10. |   |

Summary of Safety Evaluation

The added welded caps to these penetrations do not create an unreviewed safety question since no new or intensified accidents have been created and the defined margin of safety has not been reduced.



-12-  
TESTS AND EXPERIMENTS REQUIRING  
NRC APPROVAL

MARCH, 1980

None during this reporting period.

TEST AND EXPERIMENTS THAT  
DID NOT REQUIRE NRC APPROVAL

ST-35

UNIT NO.  
1

Inside Recirculation Spray Pump Test was conducted on 2-08-80 on 1-RS-P-1A and 1-RS-P-1B. The purpose of this test is to provide data which can be used in updating the acceptance criteria for the periodic test of this inside Recirculation Spray Pump (PT-17.2)

OTHER CHANGES, TESTS AND EXPERIMENTS

MARCH, 1980

None during this reporting period.

-14-  
SURREY POWER STATION

CHEMISTRY REPORT

MARCH, 1980

T.S.6.6.A.11

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	9.72E-2	7.46E-3	3.01E-2	+	+	+
Suspended Solids, ppm	0.1	0.0	0.0	+	+	0.1
Gross Tritium, $\mu\text{Ci/ml}$	*	*	*	+	+	+
Iodine-131, $\mu\text{Ci/ml}$	*	*	*	+	+	+
I-131/I-133	*	*	*	+	+	+
Hydrogen, cc/kg	*	*	*	+	+	+
Lithium, ppm	*	*	*	+	+	+
Boron-10, ppm +	416.89	253.82	364.266	+	+	53.704
Oxygen-16, ppm	1.6	.06	1.1	+	+	+
Chloride, ppm	.07	<.05	<.05	+	+	<.05
pH @ 25°C	5.25	4.52	4.93	+	+	4.85

+ Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL (1)  
RELEASES, POUNDS  
T.S. 4.13.A.8

Phosphate	164	Boron	70
Sulfate	169	Chromate	1.6
50% NaOH	0	Chlorine	0

Remarks: Values for Primary Coolant Analysis reflect a 29 workday period for the month of March. The second & third were not covered due to snow.  
\* Unit at cold shutdown + Letdown flow secured from sample room - only one local sample for the month.  
(1) Based on these decimal release concentrations, no major adverse environmental impact has been observed or is likely to result from continued operation of Units 1 & 2.

DESCRIPTION OF ALL INSTANCES WHERE  
THERMAL DISCHARGE LIMITS WERE EXCEEDED

MARCH, 1980

At 0515 and again at 0745 on March 16, 1980, the temperature change at the station discharge exceeded 3°F/hr. At the times these events occurred both units were at cold shutdown and these events are a result of the temperature detector coming out of the water during extremely low tide condition.

-16-  
FUEL HANDLING

MARCH, 1980

Sixteen (16) new assemblies for Unit 1, Cycle 6 were received during March, 1980.

UNIT NO. 1  
FUEL HANDLING  
MARCH, 1980

[illegible]

MARCH, 1980

[illegible]

PROCEDURE REVISIONS THAT CHANGED THE  
OPERATING MODE DESCRIBED IN THE FSAR

MARCH, 1980

None during this reporting period.



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

MARCH, 1980

PT-27.C - The Heat Tracing Test was not completed on Unit No. 1 when scheduled (02-13-80). The test requires verification that both channels of heat tracing are operable on lines containing 12% Boric Acid Solution in CVCS and SI Systems. The test was conducted on March 14, 1980, 22 days beyond the 25% grace period.

PT-44.1 - The Piezometer Readings were not taken on the date scheduled (03-04-80). This test which documents the depth of the water table at Surry Power Station was conducted on March 31, 1980, twenty days beyond the 25% grace period.

INSERVICE INSPECTION

MARCH, 1980

Eddy current gaging inspection of Unit #1 Steam Generator tubing is complete. The inspection was conducted in accordance with VEPCO NDT Procedure 14.1. Eddy current inspections were performed at 100KHZ and 400KHZ using .650, .610 and .540 probes. As a result of the eddy current inspection the following number of tubes were plugged:

"A" S/G

11

"B" S/G

18

"C" S/G

25

Due to leaking plugs, 6 previously plugged tube ends were repair welded in "A" S/G, and 8 tube ends were repair welded in "C" S/G in accordance with approved Westinghouse procedures.

Eddy current inspection of the main condenser tubing, Unit 2, is in progress.

Visual inspection of the Unit 1 Hanger Modifications is in progress.

The Westinghouse ultrasonic inspection of #1 and #2 Low Pressure Turbine is complete with no reportable indications noted.

Magnetic Particle inspection of #1 Low Pressure Turbines is in progress.

The Westinghouse Inservice Inspection per Technical Specifications on Unit 2 is in progress.

DEPT=NDT

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UNIT1- 4/02/80

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

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
03/25/80	SI	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080800	672
03/25/80	CH	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080801	672
03/25/80	RH	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080802	672
03/25/80	RS	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080803	672
03/25/80	FC	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080805	672
03/25/80	CS	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	002080811	672
03/25/80	RC	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	1	003151505	942
								4974
DEPT TOTAL								

DEPT=NDT

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UNIT 2 4/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWTM
03/25/80	CH	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	002080004	498
03/25/80	SI	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	002080006	482
03/25/80	RS	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	002080007	498
03/25/80	CS	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	002080009	478
03/25/80	RH	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	002080010	478
03/25/80	CH	PIPING		PERFORM VISUAL INSPECTION	CONDUCT VT EXAM NO LEAKAGE AT WELDS	2	003151500	198
DEPT TOTAL								2592

REPORTABLE OCCURRENCES PERTAINING TO  
ANY OUTAGE OR POWER REDUCTIONS

MARCH, 1980

None during this reporting period.

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

UNIT 1- 4/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RTSERVDT	SYS	COMP	MARNO	SUMMARY	WKPFR	U	MR	TOTDNTM
03/04/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181349	312
03/04/80	CC	PIPING	6-CC-81-151	DC 99-S32C SHIM	COMPLETED	1	002251711	150
03/04/80	CC	PIPING	6-CC-81	DC 99-S32C SHIM	COMPLETED	1	002251712	144
03/05/80	RL	PIPING	3-RL-6	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181342	192
03/05/80	VS	FILTER	1-VS-F-19	REPLACE FILTER	CHANGED FILTERS	1	002291030	165
03/06/80	MS	VALVE	1-MS-5	RESEAT + REPACK	RESEATED AND REPACKED VALVE	1	002220635	190
03/06/80	MS	VALVE	1-MS-7	RESEAT + REPACK	RESEATED AND REPACKED VALVE	1	002220639	190
03/10/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181349	466
03/10/80	CC	PIPING	6-CC-98/80	DC 99-S32C REMOVE CONSTRAINT	COMPLETED	1	002211448	292
03/10/80	CC	PIPING	6-CC-156/160	DC 99-S32C REMOVE CONSTRAINT	COMPLETED	1	002211449	294
03/10/80	CH	PIPING	2 1A2-CH	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	002251707	284
03/10/80	CH	PIPING	2 1A1-CH	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	002251708	300
03/10/80	CC	PIPING	18-CC-15	INSTALL SHIM	COMPLETED	1	002291318	122
03/10/80	CH	PIPING	3-CH-1-1502	INSTALL STRAP CONSTRAINT	COMPLETED	1	002291327	122
03/10/80	CH	PIPING	3-CH-1-1502	INSTALL CONSTRAINT	COMPLETED	1	002291331	119
03/12/80	SW	MOV	MOV-SW-106B	VALVE BENDING	REPAIRED VALVE	1	912020100	388
03/13/80	RL	PIPING	3-RL-6	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	002181333	537
03/13/80	CH	PIPING	2-CH-214	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181350	369
03/13/80	CH	PIPING	2-CH-214	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181351	369
03/13/80	RL	PIPING	3-RL-6	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	002181356	393
03/13/80	VG	VALVE	RV-DG-102	FLANGE LEAK	REWORKED AND RESEATED VALVE	1	002231350	123
03/13/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	002251706	360
03/13/80	CC	PIPING	3-CC-248/249	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	002251713	369
03/13/80	SW	HX	1-CC-E-1B	REFURBISH HEAT EXCHANGER	REFURBISHED HX	1	003091031	74
03/14/80	CH	VALVE	1-CH-228	RUPTURED DIAPHRAGM	REPLACED VALVE	1	003131140	20
03/14/80	CC	PIPING	PS-CC-102	COPPER TUBE BROKE	REPAIRED TUBING	1	003131405	9
03/20/80	CH	PIPING	3-CH-1-1502	INSTALL STRAP CONSTRAINT	COMPLETED	1	002291329	360
03/20/80	CH	PIPING	2 1A2-CH	INSTALL STRAP CONSTRAINT	COMPLETED	1	002291332	190
03/20/80	SI	PIPING	3-SI-92-1503	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111332	190
03/20/80	CH	PIPING	3-CH-99-1503	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111333	190
03/20/80	RL	PIPING	3-RL-6	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111334	190
03/20/80	RL	PIPING	3-RL-1	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111335	190
03/21/80	FC	VALVE	1-FC-25	SPENT FUEL PIT FLTR VLV LEAKS	REPLACED VALVE REACH ROD	1	002290615	212
03/21/80	SW	HX	1-CC-E-1C	REFURBISH HEAT EXCHANGER	REFURBISHED HEAT EXCHANGER	1	003091030	196
03/23/80	LW	PUMP	1-LW-P-6B	PUMP WILL NOT ROTATE	PUMP GOOD BUT LOW ON OIL	1	003222355	3
03/24/80	CH	PIPING	2-CH-122	DC 99-S32C INTALL CONSTRAINT	COMPLETED	1	002181336	696
03/24/80	CH	PIPING	3-CH-1-1502	INSTALL STRAP CONSTRAINT	COMPLETED	1	002291328	456
03/24/80	CH	PIPING	3-CH-23	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111331	288
03/24/80	CH	PIPING	3-CH-79	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111522	168
03/24/80	CC	PIPING	6-CC-89	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111523	168
03/25/80	PL	PIPING	2-VS-E-4A-C	RE-ROUT PIPE	REROUTED PIPE 2-VS-E-4AC	1	003111126	6
03/25/80	CH	PIPING	3-CH-79	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111521	190
03/25/80	CC	PIPING	6-CC-156	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003120936	190
03/25/80	CC	PIPING	6-CC-160	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003120937	190
03/25/80	IA	VALVE	1-IA-925	TRAP LEAKING	RESOLDERED AREA LEAKING	1	003191200	120
03/26/80	FW	INSR		MANUFACTURE THREADED PIPES (24)	MANUFACTURED PIPES	1	003251318	7
03/27/80	IA	COMPRESS	1-IA-C-1	HAMMERING NOISE	INSPECTED FOND NOTHING WRONG	1	003250601	4

DEPT=MECH

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UNIT1- 4/82/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVIT	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	MR	TOTIMNTM
03/28/80	FC	PIPING	12-FF-1	DC 99-S32A INSTALL CONSTRAINT	COMPLETED	1	002211431	300
03/28/80	CC	PIPING	6-CC-89/90	INSTALL CONSTRAINT	COMPLETED	1	002291326	558
03/28/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL STRAP CONSTRAINT	COMPLETED	1	003111516	290
03/28/80	CH	PIPING	2-CH-99	DC 99-S32C INSTALL CONTRAINT	COMPLETED	1	003111519	290
03/28/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111518	290
03/28/80	CH	PIPING	3-CH-99	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003111519	290
03/28/80	CV	PIPING	8-CV-8-151	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003201416	103
03/28/80	RC	PIPING	4-RC-14-15	DC 99-S32A MODIFY CONSTRAINT	COMPLETED	1	003201426	103
03/28/80	SI	PIPING	3-SI-90	DC 99-S32C INSTALL CONSTRAINT	COMPLETED	1	003201446	103
03/28/80	CH	PIPING	3-CH-1	DC 99-S32C INSTALL SPRING HANGER	COMPLETED	1	003201447	103

DEPT TOTAL

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Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance

## UNIT2- 4/02/89

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

RETSEVIRT	SYS	COMP	MARKNO	SUMMARY	WKFERR	U	MR	TOTINWNTM
03/01/80	RS	HX	2-RS-3-1C	UPPER FLANGE ON RS SIDE LEAKS	TIGHTEN FLANGE	2	002291740	60
03/02/80	IA	VALVE	2-IA-703	LEAKS THRU	REPLACED VALVE	2	002281522	124
03/05/80	VS	FILTER	2-VS-F-19	REPLACE FILTER	CHANGED FILTERS	2	002291031	190
03/05/80	CS	VALVE	2-CS-24	DISASSEMBLE CLEAN REPAIR	CLEANED INTERNALS	2	002291106	163
03/05/80	IA	VALVE	2-IA-704	PACKING + BODY TO BONNET LEAK	REPAIRED LEAK	2	003011931	24
03/05/80	CV	VALVE	HCV-CV-200	STEM LEAK ON HCV-CV-200	REPACKED VALVE	2	003011933	20
03/05/80	RS	VALVE	2-RS-11	PACKING GLAND NUTS MISSING	INSTALLED NUT	2	003020905	24
03/06/80	RS	HX	2-RS-E-1C	INSTALL SPECTACLE FLANGE	COMPLETED	2	002129000	360
03/06/80	RC	INSTR	LT-2-483	LOW PRESSURE VENT	RETIPTED CONNECTIONS	2	003041330	19
03/07/80	VS	FILTER	2-VS-F-1C	CLEAN OR REPLACE FILTERS	REPLACED FILTERS	2	003041000	33
03/07/80	VS	FILTER	2-VS-F-1A	CLEAN OR REPLACE FILTER	REPLACED FILTERS	2	003041001	31
03/10/80	VS	PIPING	MOV-VS-201	INSTALL FLANGE	REMOVED FLANGE	2	002281209	280
03/10/80	CS	VALVE	2-CS-13	DISASSEMBLE CLEAN AND REPAIR	CLEANED AND INSPECTED	2	002291105	120
03/10/80	IA	VALVE	2-IA-864	2-IA-864 HAS BODY TO BONNET LEAK	REPAIRED B TO B LEAK	2	003011930	141
03/10/80	BD	VALVE	TV-BD-200B	ADJUST PACKING	REPACKED VALVE	2	003071000	68
03/10/80	RS	VALVE	2-RS-11	REPACK OR ADJUST	ADJ PACKING	2	003071008	69
03/12/80	BS	PIPING	DJC V9-01	INSTALL PIPE PLUGS	INSTALLED PEN CAPS DC V9-01	2	905250900	3581
03/14/80	CC	INSTR	F1-CC-218C	REMOVE SIGHT GLASS	INSTALLED NEW SIGHT GLASS	2	911060900	1656
03/18/80	RM	MONITOR		LOW FLOW THROUGH MONITOR	REPLACED PUMP	2	002200920	14
03/18/80	CS	PIPING	MOV-CS-201A	INSTALL BLANK FLANGE	INSTALLED BLANK	2	002281200	480
03/18/80	CS	PIPING	MOV-CS-201B	INSTALL BLANK FLANGE	INSTALLED BLANK	2	002281201	480
03/18/80	CS	PIPING	MOV-CS-201C	INSTALL BLANK FLANGE	INSTALLED BLANK	2	002281202	480
03/18/80	CS	PIPING	MOV-CS-201D	INSTALL BLANK FLANGE	INSTALLED BLANK	2	002281203	480
03/19/80	PR	SNUBBER	30-SNP-103	CHECK FLUID LEVEL	INSPECTED AND REPLACED SNUBBER	2	002190902	30
03/19/80	RC	VALVE	2-RC-52	VALVE HAS PACKING LEAK	REPACKED VALVE	2	912130904	2352
03/21/80	RC	VALVE	2-RC-19	BROKEN PACKING FOLLOWER	REPLACED 2-RC-19 VALVE	2	912311503	1922
03/22/80	RM	PUMP	RM-VG-103	MOTOR TO VACUUM PUMP	REPLACED BELT	2	003220550	6
03/22/80	SS	VALVE	TV-SS-203	EXCESSIVE LEAKAGE ON PT 16.4	REPLACED VALVE	2	909130829	5184
03/23/80	FW	MOV	MOV-FW-251B	REMOVE MOV FOR USE ON UNIT 1	COMPLETED	2	901062046	1865
03/24/80	FG	VALVE	2-FG-153	VALVE HAS BLOWN DIAPHRAGM	REPLACED DIAPHRAGM	2	002260830	236
03/24/80	RS	PIPING	2-RS-E-1A	FLANGE LEAK	REPLACED GASKET	2	003051200	50
03/25/80	FN	OTHR		REMOVE TRANSFER TUBE BLANK FLANGE	REMOVED BLANK FLANGE	2	003240820	10
03/25/80	DA	INSTR	LT-DA-200	CONNECT ROD TO FLOAT	FIX FLOAT	2	003241415	5
03/25/80	RC	PMP MTR	2-RC-P-1A	INSPECT PUMP MOTOR SEALS	COMPLETED	2	902051101	9886
03/25/80	RC	PMP MTR	2-RC-P-1A	REMOVE 2-RC-P-1A MOTOR	COMPLETED	2	902051422	9898
03/26/80	SI	VALVE	SV-2859	REMOVE RELIEF VALVE	REMOVED RELIEF VALVE	2	002241330	935
03/26/80	CS	TANK	2-CS-TK-1	OPEN FOR INSPECTION	REPLACED MANWAY COVER-TIGHTEN	2	003191134	169
03/27/80	CS	VALVE	MOV-CS-201D	INSTALL SPECTACLE FLANGE	REMOVE SPECTACLE FLANGE	2	003191151	199
03/27/80	DA	PIPING	2-DA-53	INSTALL TEST FLANGE	COMPLETED	2	003191159	49
03/27/80	CS	PUMP	2-CS-P-1A	UNCOUPLE PUMP FROM MOTOR	UNCOUPLED	2	003261400	33
03/29/80	CS	VALVE	MOV-CS-201A	INSTALL SPECTACLE FLANGES	REMOVED SPECTACLE FLANGE	2	003191150	225
03/31/80	IA	COMPRESS	2-IA-C-1	SEAL LEAK	REPLACED VALVE	2	003250600	120

DEIT TOTAL

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Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

DEBT-ELEC

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UNIT1- 4/02/80

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

RETSERVIT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
03/05/80	MS	MOV	MOV-MS-102	WILL OPEN ONLY 1/4 INCH	COMPLETED AS PER EMP-C-MOV-11-18	1	001230730	1008
03/05/80	FW	VALVE	PCV-FW-150A	MAIN FEED PUMP RECIRC VALVE	LIMIT SWITCHES ADJUSTED	1	002202018	221
03/09/80	MS	NRV	NRV-MS-101A	VALVE WILL NOT OPERATE ELEC	VALVE RETURNED TO SERVICE	1	002218908	384
03/12/80	VS	FAN MTR	1-VS-F-9A	FAN MTR BEARING NOISE	REPAIRED DRGS AND REINSTALLED	1	912282325	1460
03/13/80	CH	HT	CKT29PN19	STRIP HEATERS DEFECTIVE	REPLACED HEATERS AND THERMOSTATS	1	003100930	69
03/18/80	RR	HT		REPAIR CIR 4A PNL 8	RENEWED HEAT TAPE	1	002291435	192
03/18/80	FW	PUMP	1-FW-P-3D	NO-LOAD AMPS	PI CURVE SAT	1	003011546	26
03/18/80	PC	RPI	RPI-1	RACK DOOR BOWED IN MIDDLE	ADJUSTED 3/15/80	1	003120801	133
03/18/80	PC	RPI	RPI-4	BACK RACK DOOR NOT CLOSING	ADJUSTED 3/15/80	1	003120802	133
03/18/80	CH	HT	CKT4APNL9	REPAIR HEAT TAPE	RENEWED HEAT TAPE	1	003140015	91
03/18/80	CH	HT	CKT4BPNL9	REPAIR HEAT TAPE	RENEWED HEAT TAPE	1	003140816	96
03/19/80	CH	HT	CKT25PNL9	REPLACE HEATER	REPLACED STRIP HEATERS	1	003130816	28
03/19/80	CH	HT	CKT-25PNL8	REPLACE HEATER	REPLACED STRIP HEATERS	1	003130820	28
03/21/80	CH	HT	PNL 8+9 CKTS9A	CIRCUITS HAVE LOW AMPERAGE	TESTED SAT	1	003100439	139
03/21/80	CH	HT	PNL9CKT9	REPLACE HEAT TAPE	TESTED SAT	1	003141105	139
03/23/80	BS	HT	CKT15PNL10	REPLACE HEATER CKT 15 PNL 10	INSTALLED NEW HEATER	1	003152045	111
03/23/80	SW	DIESEL	1-SW-P-1A	DIESEL PUMP WILL NOT START	REPLACED BATTERY LUG	1	003222315	5
03/25/80	CH	HT	CKT 24B	REPAIR AT CKT 24B PANEL 8+9	TESTED SAT	1	002081250	1049
03/25/80	CH	HT		REPLACE EXISTING HEAT TAPE	COMPLETED SAT	1	002211200	117
03/25/80	CH	HT		REPLACE EXISTING HEAT TAPE	COMPLETED SAT	1	002211201	117
03/26/80	CH	HT		REPAIR HEAT TAPE	TESTED SAT	1	003021259	579
03/26/80	CH	HT		REPAIR OR REPLACE CIR 24B PNL9	TESTED SAT	1	003180031	182
03/26/80	SI	MOV	MOV-1867C	DISCONNECT FOR MECH	RECONNECTED MOV	1	003180742	199
03/26/80	SI	MOV	MOV-1867D	DISCONNECT FOR MECH	RECONNECTED MOV	1	003180743	199
03/26/80	CH	HT	PNLCKT-23A	REPLACE HEAT TRACING	TESTED SAT	1	003250645	31

DEBT TOTAL

6694

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Electrical Maintenance

UNIT2- 4/02/80

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

REFSERVIR	SYS	COMP	MARKNO	SUMMARY	WRITER	U	MR	TOTDWTM
03/05/80	BS	OTHER		TIE STD'S TO SPRAY RING	CABLES DISCONNECTED	2	003011111	97
03/05/80	SW	MOV	MOV-SW-204D	MOV IMS	PERFORMED AS PER EMP-P-MOV-45-10	2	901251530	528
03/07/80	SI	HT	CKT4-PNL 11	REPLACE HEAT TRACING	REPLACED TAPE	2	002171030	480
03/09/80	SI	HT	CKT4-PNL 10	REPLACE HEAT TRACING	REPLACED TAPE	2	002171031	405
03/10/80	SI	HT	PNL10-CKT1B	REPLACE BAD HEAT TAPE	REPLACED TAPE	2	002061550	504
03/10/80	SI	HT	PNL11-CKT1B	REPLACE BAD HEAT TAPE	REPLACED TAPE	2	002061551	500
03/10/80	EIDC	BATT	A	GROUND ON SYSTEM INDICATED	CORRECTED GROUND ON DC LIGHTING	2	002202055	288
03/10/80	RC	I2R NTR	2	CHECK CABLES	NO DAMAGE	2	003010700	210
03/10/80	EIDC	BATT	EGD-2	PERFORM AT 23.4C	PERFORMED PT	2	911091402	2952
03/12/80	RT	RELAY	25C3	RT IMS	PERFORMED EMP-P-RT-69 SAT	2	901261415	7920
03/12/80	RT	RELAY	25A3	RT IMS	COMPLETED EMP-P-RT-70 SAT	2	901261416	7920
03/12/80	RT	RELAY	25B3	RT IMS	COMPLETED EMP-P-RT-71 SAT	2	901261417	7920
03/12/80	RT	RELAY	2B UV	RT IMS	COMPLETED EMP-P-RT-142 SAT	2	901261433	8136
03/12/80	RT	RELAY	25B1	RT IMS	COMPLETED EMP-P-RT-145 SAT	2	901261436	125
03/12/80	RT	RELAY	25B0	RT IMS	COMPLETED EMP-P-RT-162 SAT	2	901261451	126
03/13/80	CH	HT	CKT 28	RE-INSTALL HEAT TRACING HEATERS	REPLACED HEATERS	2	907040030	5688
03/24/80	EPH	BREAKER	25A3	BREAKER IMS	PM COMPLETE	2	901251313	9501
03/24/80	EPH	BREAKER	25B3	BREAKER IMS	PM COMPLETE	2	901251322	9609
03/24/80	EPH	BREAKER	25B6	BREAKER IMS	PM COMPLETE	2	901251325	9609
03/25/80	FW	MOV	MOV-FW-2518	DISCONNECT MOV FOR MECHANICS	RECONNECTED AND TESTED MOV	2	001062045	1182
03/25/80	SW	MOV	MOV-SW-203B	DISCONNECT + RECONNECT FOR MECH	DISCONNECTED MOV-SW-203	2	002220804	948
03/25/80	SW	MOV	MOV-SW-203A	DISCONNECT + RECONNECT FOR MECH	DISCONNECTED MOV-SW-203A	2	002220809	940
03/25/80	FW	MOV	MOV-FW-2518	MOV IMS	PERFORMED PMS ON MOV	2	901251410	9786

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DEFT TOTAL

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Instrument Maintenance

DEPT=INST

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UNIT1= 4/02/88

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

REFSERVINT	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	MR	TOTDWTM
03/06/80	MS	INSTR	PI-1-494	FAILED HIGH	CHECKED TRANSMITTER CALIBRATED	1	000311355	23
03/06/80	NI	MISC	NR-45	BLUE CHANNEL DOES NOT INK PROPERLY	REPLACED DRIVE MOTOR	1	002291039	25
03/14/80	RC	INSTR	T408	RODS STEP OUT WITH NO DEVIATION	CHECKED SYSTEM AND FOUND NO PROBLEM	1	001292339	1056
03/14/80	RC	INSTR	TE-1-418	FAILED RTD	INSTALLED RTD PERFORMED CALIBRATED	1	002190820	94
03/14/80	LM	INSTR	P-LM-100A	INTERMITTANT SPIKE ON HI HI CLS	CHECK SIGNALS FOR NOISE-NONE	1	000111950	28
03/14/80	CS	INSTR	TI-CS-100B	FAILED HIGH	REPLUGGED BROKEN CONDUCTOR	1	003140000	1
03/20/80	CC	INSTR	LCV-CC-101	INSPECT CONTROLLER LEV SETPOINTS	CHECKED OUT SAT	1	003151423	39
03/20/80	SI	INSTR	PI-1943	REPLACE PRESS GAGE	INSTALLED NEW CALIBRATED GAUGE	1	003191532	2
03/21/80	RM	MONITOR	RM-CC-105	LOWER ALARM TO 1.085 CPM	CHANGED SETPOINT	1	003190809	39
03/23/80	MS	INSTR	PI-1-495	READS 100 PSI	VOLTS-INDICATOR SAME AS ALL OTHERS	1	003200235	94
03/23/80	RM	INSTR	RM-LW-108	READING 4X10 TO 4TH	CHECKED READING FOUND READING OK	1	003200242	2
03/23/80	RM	INSTR	RM-CC-106	READING 5X10 TO 4TH	CHECKED READING FOUND READING OK	1	003200243	94
03/23/80	RM	INSTR	RM-CC-105	READING 9X10	CHECKED READING FOUND READING OK	1	003200244	94
03/31/80	RC	INSTR	PI-1-155A	SEAL DIFFERENTIAL PRESS HIGH	REPLACED OSCILLATOR AND CALIBRATION	1	003030520	91

DEPT TOTAL

1598



Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Instrument Maintenance

DRIFT=INST

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UNIT2- 4/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RTTSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
03/04/80	CV	INSTR	HCV-CV-2186	REPLACE E/F	REPLACED E/F CHECKED OUT SAME	2	002112000	199
03/11/80	CH	INSTR	FI-110	EMER BORATE FLOW INDICATOR	REPAIRED INDICATOR ZERO ADJUSTMENT	2	911231240	68
03/19/80	CS	INSTR		PRESSURE GAGE BROKEN	INSTALLED NEW GAUGE	2	003190601	144
03/19/80	CS	INSTR		PRESSURE GAGE BROKEN	INSTALLED NEW GAUGE	2	003190603	24
03/20/80	RP	OTHER	FM-2-494B	NOISY OUTPUT	REPLACED CAPACITORS	2	003190039	1
03/21/80	RC	INSTR		DEFICIENCY PUNCH LIST	CONNECTED CABLE	2	002191436	20
03/21/80	RS	INSTR	RTD-RS-250B	DEFICIENCY PUNCH LIST	RTD WELL IS BENT RTD FUNCTIONS OK	2	002191444	20
03/21/80	RP	OTHER	FM-2-494A	NOISY OUTPUT	REPLACED CAPACITORS	2	003190838	15
03/21/80	RP	OTHER	FM-2-494B	NOISY OUTPUT	REPLACED CAPACITORS	2	003190839	15
03/21/80	RC	INSTR	TE-2-431B	REPLACE RTD	REPLACED RTD	2	911052323	3290
03/25/80	RS	INSTR	LI-RS-251A	LEVEL INDICATOR BOUNCING	WROTE MR TO MECHANICS TO SECURE DECK	2	003232222	14
03/26/80	RC	INSTR	TE-2-413	REPLACE RTD	REPLACED RTD	2	911052324	3382
03/31/80	RM	MONITOR	RM-RM-262	REINSTALL AND CALIBRATE DETECTOR	REINSTALLED DETECTOR-CALIBRATED	2	003290930	39

DEPT TOTAL

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7229

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HEALTH PHYSICS

MARCH, 1980

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 10CFR20.

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

MARCH, 1980

<u>NUMBER</u>	<u>UNIT</u>	<u>TITLE</u>	<u>DEVIATION</u>
OP-1A(A-1)	1	Pre-Startup Checkoff List	Step B - References to PC-BR-108A changed to PC-BR-109A

The above procedure was deviated on January 5, 1980, and reviewed by the Station Nuclear Safety and Operating Committee March 20, 1980.

OP-1A(A-12)	1	Startup Checkoff List	Change to conform with actual flow conditions.
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The above procedure was deviated on January 5, 1980, and reviewed by the Station Nuclear Safety and Operating Committee March 20, 1980.

OP-1A(C02)	1	Control Room	Change 1-CH-TK-1 to 1-CH-TK-1A
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The above procedure was deviated on January 5, 1980 and reviewed by the Station Nuclear Safety and Operating Committee March 20, 1980.

OP-1B	1	Containment Checklist	1-RC-29 closed.
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The above procedure was deviated January 6, 1980, and reviewed by the Station Nuclear Safety and Operating Committee March 20, 1980.

PT-16.4	2	Containment Isolation Valve Leakage	Steps 4.36.8 and 4.36.9 - 45 psig vice 40 psig.
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The above procedure was deviated February 20, 1980, and reviewed by the Station Nuclear Safety and Operating Committee March 7, 1980.