

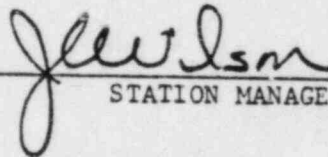
VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 83-03

APPROVED BY:



STATION MANAGER

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OPERATING DATA REPORT

DOCKET NO. 50-280
 DATE 07 APR 83
 COMPLETED BY Vivian Jones
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1		
2. REPORTING PERIOD	30183 TO 33183		
3. LICENSED THERMAL POWER (MWT)	2441	-----	
4. NAMEPLATE RATING (GROSS MWE)	847.5	NOTES	
5. DESIGN ELECTRICAL RATING (NET MWE)	788		
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	2160.0	90048.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	909.8	54821.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3765.2
HOURS GENERATOR ON-LINE	0.0	909.8	53764.5
14. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
15. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	2108171.0	124788770.9
16. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	674215.0	40280258.0
17. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	638780.0	38199243.0
18. UNIT SERVICE FACTOR	0.0 %	42.1 %	59.7 %
19. UNIT AVAILABILITY FACTOR	0.0 %	42.1 %	63.9 %
20. UNIT CAPACITY FACTOR (USING MDC NET)	0.0 %	38.2 %	54.7 %
21. UNIT CAPACITY FACTOR (USING DER NET)	0.0 %	37.5 %	53.8 %
22. UNIT FORCED OUTAGE RATE	0.0 %	0.0 %	22.6 %
23. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	FALL MAINTENANCE-9-23-83 - 10 DAYS		
24. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP	05-01-83		
25. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	FORECAST	ACHIEVED	

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

OPERATING DATA REPORT

DOCKET NO. 50-281
DATE 07 APR 83
COMPLETED BY Vivian Jones
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 2		
2. REPORTING PERIOD	30383 TO 33183		
3. LICENSED THERMAL POWER (MWT)	2441	-----	
4. NAMEPLATE RATING (GROSS MWE)	847.5	NOTES	
5. DESIGN ELECTRICAL RATING (NET MWE)	788		
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)	N/A		
10. REASONS FOR RESTRICTIONS, IF ANY	N/A		
THIS MONTH YR-TO-DATE CUMULATIVE			
11. HOURS IN REPORTING PERIOD	744.0	2160.0	86928.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2157.0	54831.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
HOURS GENERATOR ON-LINE	744.0	2149.2	53993.3
14. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
15. GROSS THERMAL ENERGY GENERATED (MWH)	1769231.1	5180234.0	126421580.1
16. GROSS ELECTRICAL ENERGY GENERATED (MWH)	569570.0	1673890.0	41156609.0
17. NET ELECTRICAL ENERGY GENERATED (MWH)	540338.0	1588602.0	39009523.0
18. UNIT SERVICE FACTOR	100.0 %	99.5 %	62.1 %
19. UNIT AVAILABILITY FACTOR	100.0 %	99.5 %	62.1 %
20. UNIT CAPACITY FACTOR (USING MDC NET)	93.7 %	94.9 %	57.9 %
21. UNIT CAPACITY FACTOR (USING DER NET)	92.2 %	93.3 %	56.9 %
22. UNIT FORCED OUTAGE RATE	0.0	0.5 %	14.9 %
23. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	SPRING MAINTENANCE-REFUELING/10 YR. 06-18-83 - 74 DAYS		
24. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP			
25. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	FORECAST	ACHIEVED	
INITIAL CRITICALITY			
INITIAL ELECTRICITY			
COMMERCIAL OPERATION			

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1983

DOCKET NO. SO-280
 UNIT NAME Surry 1
 DATE _____
 COMPLETED BY _____
 TELEPHONE _____

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
83-3	3-1-83	S	744	A	3	83-011/03L-0 83-012/03L-0 83-014/03L-0 83-015/03L-0	PA CJ RC HB	VALVE X VALV OP FUEL XX VALVE X	Continuation of shutdown for refueling which commenced 02-07-83.

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-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 March 1983

DOCKET NO. SO-281
 UNIT NAME Surry 2
 DATE _____
 COMPLETED BY _____
 TELEPHONE _____

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
83-03	03-16-83	F	0.0	A	4				Unit was reduced to 80% power in order to remove 2A, 3A, 4A feed water heater train to plug a tube leak in 4A heater.
83-04	03-21-83	S	0.0	H	4				Unit was reduced to 79% power for load following.
83-05	03-29-83	S	0.0	H	4				Unit was reduced to 77% power for load following.

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-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 1983

<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						

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2

MONTH: March 1983

<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						

DOCKET NO 50-280
UNIT SURRY I
DATE 4-1-83
COMPLETED BY Vivian Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MARCH 83

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 50-281
UNIT SURRY II
DATE 4-1-83
COMPLETED BY Vivian Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MARCH 83

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	752.2	17	592.5
2	750.6	18	599.6
3	751.3	19	710.3
4	719.9	20	751.0
5	657.9	21	720.9
6	662.0	22	751.2
7	681.1	23	744.5
8	756.0	24	742.6
9	749.8	25	743.0
10	749.2	26	743.0
11	753.4	27	744.3
12	747.7	28	743.9
13	751.1	29	710.5
14	752.3	30	743.1
15	753.0	31	744.0
16	742.4		

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
MARCH, 1983

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 ONE

March 1	0000	This reporting period begins with the unit at refueling shutdown.
March 4	2110	The reactor vessel head is removed for refueling.
March 5	1537	Full length control rods (RCC's) unlatched.
	2000	Reactor vessel upper internals removed.
March 6	0619	Started core off-load.
March 9	1053	Completed core off-load.
	1632	Started fuel sipping in fuel building.
March 16	0109	Completed fuel sipping.
March 30	1552	Commenced fuel insert shuffle in fuel building.

SUMMARY OF OPERATING EXPERIENCE

MARCH, 1983

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 TWO

March 1	0000	This reporting period begins with the unit at 100% power.
March 4	1552	Commenced power rampdown to remove "A" High Pressure Drain Pump from service.
	1620	Stopped ramp at 92% power, 700 MW.
March 7	1916	Commenced ramp to full power, "A" High Pressure Drain Pump is returned to service.
	1950	Unit is at 100% power, 790 MW.
March 9	1310	Start 6 hour clock on heat tracing Panel #8 and #9, CKT-21A.
	1536	Commenced rampdown due to failed heat tracing circuits.
	1610	Stopped rampdown at 93% power, 720 MW, heat tracing CKT-21A on panel #9 is returned to service which stops the 6 hour clock.
	1617	Start ramp to full power.
	1709	Unit is at 100% power, 785 MW.
March 16	2155	Commenced rampdown to remove 2A, 3A, 4A feed water train.
	2310	Stopped ramp at 80% power, 630 MW.
March 17	0430	Completed removing 2A, 3A, 4A feed water heaters from service, reactor power is 85%, 640 MW.
March 19	0330	Returned 2A, 3A, 4A feed water heaters to service.
	0448	Commenced power increase to full power.
	0615	Unit at 100% power.
March 20	2323	Commenced rampdown, load following.
March 21	0048	Stopped ramp at 79% power, 620 MW.
	0403	Commenced power increase to full power.
	0530	Unit is at 100% power.

March 28	0233	Commenced rampdown, load following.
March 29	0048	Stopped ramp at 83% power, 655 MW.
	0137	Commenced rampdown, load following.
	0200	Stopped ramp at 77% power, 600 MW.
	0402	Commenced power increase to full power.
	0540	Unit is at 100% power, 785 MW.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS
MARCH, 1983

The Nuclear Regulatory Commission issued, on March 1, 1983, Amendment Nos. 82 and 83 to the Operating License for Surry Power Station, Units 1 and 2 respectively. The change has been designated as Technical Specification change no. 93.

The change adds requirements related to working hours of the plant staff to comply with the requirements of NUREG-0737. Also, the change increases the frequency of audits of the emergency and security programs to be consistent with 10CFR50.54(t) and 10CFR73.40(d), respectively.

TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL
MARCH, 1983

None during this reporting period.

TESTS AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL
MARCH, 1983

None during this reporting period.

OTHER CHANGES, TESTS AND EXPERIMENTS
MARCH, 1983

NONE DURING THIS REPORTING PERIOD.

CHEMISTRY REPORT

March 19 83

T.S. 6.6.3.d

PRIMARY COOLANT ANALYSIS	UNIT NO. 1 (A)			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	7.92^{-2}	6.53^{-4}	1.33^{-2}	5.15^{-1}	2.11^{-1}	3.60^{-1}
Suspended Solids, ppm	0.1	0.1	0.1	0.1	0.1	0.1
Gross Tritium, $\mu\text{Ci/ml}$	3.06^{-2}	3.06^{-2}	3.06^{-2}	1.31^{-1}	1.14^{-1}	1.21^{-1}
Iodine-131, $\mu\text{Ci/ml}$	9.55^{-4}	4.24^{-5}	4.17^{-4}	5.46^{-3}	8.96^{-4}	3.37^{-3}
I-131/I-133	-	-	-	1.6666	.4186	1.5222
Hydrogen, cc/kg	-	-	-	48.2	33.9	39.6
Lithium, ppm	-	-	-	.98	.72 (B)	.81
Boron-10, ppm +	435.51	404.54	424.54	48.61	33.12	42.16
Oxygen-16, ppm	Sat.	Sat.	Sat.	< 0.005	< 0.005	< 0.005
Chloride, ppm	0.05	< 0.05	< 0.05	< 0.02	< 0.02	< 0.02
pH @ 25°C	5.74	4.69	5.05	7.28	6.68	7.00

+ Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL (C)

RELEASES, POUNDS

T.S. 4.13.A.6

Phosphate	-	Boron	2073
Sulfate	-	Chromate	0.0
50% NaOH	-	Chlorine	-0-

REMARKS: (A) Unit 1 reactor shut down for refueling. (B) 250 gms LiOH added 3/11/83. (C) the level(s) of these chemicals should not produce any adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED
MARCH, 1983

Due to the impairment of the circulating water system on the following days, the thermal discharge limits were exceeded as noted.

March 4, 1983	Exceeded 15°F ΔT across station*
March 14, 1983	Exceeded 17.5°F ΔT across station*
March 15, 1983	Exceeded 15°F ΔT across station*
March 16, 1983	Exceeded 18.2°F ΔT across station*
March 21, 1983	Exceeded 15°F ΔT across station*
March 30, 1983	Exceeded 15°F ΔT across station*

NOTE: Thermal discharge limits have been removed from the Technical Specifications. Exceeding these limits will not be reported in future monthly operating reports.

*Indicates dates where station ΔT was less than or equal to 15.0°F across station for some time during the day.

The ΔT excursions were allowable under Technical Specifications 4.14.B.2. There were no reported instances of adverse environmental impact.

The temperature change at the station discharge exceeded 3°F per hour on March 14, 1983 while removing a Unit II waterbox from service for cleaning. This event was reported in accordance with Technical Specification 4.14.C.1.

UNIT 1
MARCH, 1983

UNIT 1

MARCH, 1983

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FUEL HANDLING

UNIT 2

MARCH, 1983

DATE SHIPPED/RECEIVED	NO. OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVEL
3-14-83	12	5R4/3.6%	<2.5 MR/HR
		4R2/3.6%	<2.5 MR/HR
		5R5/3.6%	<2.5 MR/HR
		2R1/3.6%	<2.5 MR/HR
		3R8/3.6%	<2.5 MR/HR
		3R7/3.6%	<2.5 MR/HR
		2R4/3.6%	<2.5 MR/HR
		0R4/3.6%	<2.5 MR/HR
		3R1/3.6%	<2.5 MR/HR
		0R3/3.6%	<2.5 MR/HR
		2R8/3.6%	<2.5 MR/HR
		1R5/3.6%	<2.5 MR/HR
3-21-83	12	6R1/3.6%	<2.5 MR/HR
		4R4/3.6%	<2.5 MR/HR
		1R9/3.6%	<2.5 MR/HR
		2R6/3.6%	<2.5 MR/HR
		1R7/3.6%	<2.5 MR/HR
		0R5/3.6%	<2.5 MR/HR
		3R0/3.6%	<2.5 MR/HR
		1R1/3.6%	<2.5 MR/HR
		2R9/3.6%	<2.5 MR/HR
		1R3/3.6%	<2.5 MR/HR
		1R6/3.6%	<2.5 MR/HR
		3R6/3.6%	<2.5 MR/HR
		19	

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE FSAR
MARCH, 1983

NONE DURING THIS REPORTING PERIOD.

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

MARCH, 1983

NONE DURING THIS REGARDING PERIOD.

INSERVICE INSPECTION
MARCH, 1983

NONE DURING THIS REPORTING PERIOD.

REPORTABLE OCCURRENCES PERTAINING TO
ANY OUTAGE OR POWER REDUCTIONS
MARCH, 1983

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE
MARCH, 1983

Home Sweet Home

RELATIONSHIP OF CRYSTALLINITY TO REDUCED POWER FACTORS

REMARKS	SAC	COPI	DATE	SUMMARY	REMARKS	U	VS	DATE
01/01/73	CH	VALVE	FT-1113A	PACKING LEAK	REPACKED VALVE	1	302040723	0
01/01/73	CH	TRANSMIT	FT-1113	FLANGE LEAK TOP AND BOTTOM	REPLACED TOP AND BOTTOM	1	302040724	0
01/01/73	CH	TRANSMIT	FT-1110	FLANGE LEAK TOP	REPLACED FLANGE GASKET	1	302040727	0
01/01/73	MS	VALVE	1-MS-08	VALVE WAS PACKING LEAK	REPACKED VALVE	1	302131013	0
01/01/73	MS	VALVE	1-MS-07	VALVE WAS PACKING LEAK	REPACKED VALVE	1	302131018	0
01/01/73	EC	VALVE	1-EC-30	VALVE WAS PACKING LEAK	ADDED 2 RINGS PACKING	1	302150703	0
01/02/73	CI	VALVE	1-CI-08	2 INCH BONNET SEEPS RETRACTING	REPLACED BONNET	1	302040730	0
01/02/73	CH	VALVE	1-CH-01	BODY TO BONNET LEAK	REPLACED DIAPHRAGM	1	302040732	0
01/02/73	EC	VALVE	1-EC-66	CHUCK VALVE LEAKS BONNET	REPACKED BONNET GASKET	1	302261300	0

[illegible]

[illegible]

06/50/4-105/03

CO/50/4-1/19/1

DATE	COMP	WARRANT	SUMMARY	STATUS	DATE	COMP	WARRANT	SUMMARY	STATUS
03/07/83	42	VALVE	1-DE-10	VALVE HAS PACKING LEAK	1	03/07/83	42	ADJUSTED PACKING GLAND	0
03/07/83	43	VALVE	1-DE-81	VALVE HAS PACKING LEAK	1	03/07/83	43	ADJUSTED PACKING GLAND	0
03/07/83	44	FLANGE	N/A	INSTALL & REMOVE SPECTACLE FLANGE	1	03/07/83	44	INSTALLED PLATE SIDE	0
03/07/83	45	FLANGE	N/A	PT 16, 0	1	03/07/83	45	REMOVED PLATE SIDE	0
03/07/83	46	VALVE	1-DE-100	PACKING LEAK-ADJUST	1	03/07/83	46	REPACKED	0
03/07/83	47	VALVE	N/A	GROUP NO. 1 AIR START MOTORS	1	03/07/83	47	REPLACED STARTERS	0
03/07/83	48	VALVE	1-DE-18	VALVE LEAKS	1	03/07/83	48	INSTALLED PING	0
03/07/83	49	VALVE	1-DE-19	VALVE LEAKS	1	03/07/83	49	INSTALLED PING	0
03/07/83	50	VALVE	N/A	SUPPORT OPERATIONS	1	03/07/83	50	REPLACED PT 20, 1 ON	0
03/07/83	51	VALVE	1-DE-84	REPLACE BOLT	1	03/07/83	51	REPLACED BOLT	0
03/07/83	52	VALVE	1-DE-249	PACKING LEAK	1	03/07/83	52	ADDED ONE RING PACKING	0
03/07/83	53	VALVE	1-DE-251	PACKING LEAK	1	03/07/83	53	ADDED ONE RING PACKING	0
03/07/83	54	VALVE	1-DE-338	VALVE LEAKS	1	03/07/83	54	ADDED ONE RING PACKING	0
03/07/83	55	VALVE	12 SI-2-153	PACKING LEAK	1	03/07/83	55	ADDED ONE RING PACKING	0
03/07/83	56	PUMP	12 SI-2-153	INSTALL PLATE FLANGE	1	03/07/83	56	INSTALLED PLATE FLANGE	0
03/07/83	57	PUMP	12 SI-1-153	INSTALL PLATE FLANGE	1	03/07/83	57	INSTALLED PLATE FLANGE	0
03/07/83	58	PUMP	1-CV-P-1A	PUMP WILL NOT PUMP	1	03/07/83	58	REPLACED PUMP	0
03/10/83	59	VALVE	1-SI-124	PACKING LEAK	1	03/10/83	59	COMPLETED	0
03/11/83	60	VALVE	N/A	REPACK VALVE	1	03/11/83	60	REPACKED VALVE	0
03/11/83	61	THICK	N/A	MORIC ACID LEAKING	1	03/11/83	61	TIGHTENED BOLTS	0
03/11/83	62	COFFER	1-1A-C-4A	OVERHAUL	1	03/11/83	62	COMPLETED	0
03/11/83	63	FLANGE	N/A	LEAK ON INLET FLANGE TO STRAINER	1	03/11/83	63	TIGHTEN UNION	0
03/11/83	64	VALVE	1	PACKING VESIC TIGHTENING	1	03/11/83	64	REPACKED VALVE	0
03/11/83	65	VALVE	1-NS-132	PACKING LEAK	1	03/11/83	65	ADDED ONE RING PACKING	0
03/11/83	66	VALVE	N/A	OVERHAUL LAYER	1	03/11/83	66	COMPLETED	0
03/11/83	67	VALVE	1-DE-247	MORIC ACID VALVE ROCKET	1	03/11/83	67	ADDED ONE RING PACKING	0
03/11/83	68	VALVE	1-DE-1350H	MORIC ACID RESIDUE ON VAL BODY	1	03/11/83	68	ADJUSTED PACKING GLAND	0
03/11/83	69	VALVE	1-DE-1450A	PACKING LEAK	1	03/11/83	69	ADJUSTED PACKING GLAND	0
03/11/83	70	VALVE	1-DE-1350G	MORIC ACID RESIDUE ON BODY	1	03/11/83	70	ADJUSTED PACKING GLAND	0
03/11/83	71	VALVE	N/A	VALVE LEAKS	1	03/11/83	71	TIGHTENED VALVE BOLT	0
03/11/83	72	VALVE	N/A	SUSPECT GASKET CABLE	1	03/11/83	72	REPLACED CABLE TACK WELDED	0
03/11/83	73	VALVE	1-DE-1-1C	REPACK SEAL LEAK	1	03/11/83	73	REPLACED SEAL	0
03/11/83	74	VALVE	1-DE-1-1C	PACKING LEAK	1	03/11/83	74	REPACKED VALVE	0
03/11/83	75	VALVE	1-DE-1-1D	PT 16, 4	1	03/11/83	75	TIGHTENED FLANGE BOLTS	0
03/11/83	76	VALVE	1-DE-1-1C	PT 16, 4	1	03/11/83	76	TIGHTENED FLANGE BOLT	0
03/11/83	77	VALVE	1-DE-1-1C	UPPER FLANGE LEAKING	1	03/11/83	77	TIGHTENED BOLTS	0
03/11/83	78	VALVE	1-DE-1-1C	INSTALL SHOUL PITCH	1	03/11/83	78	REMOVED FLANGES	0
03/11/83	79	VALVE	N/A	BOY TO BOYPT L	1	03/11/83	79	ADJUSTED PACKING AND	0
03/11/83	80	VALVE	N/A	BOY WILL NOT OPEN	1	03/11/83	80	BOY MECHANICAL PROBLEM	0

112171-4/05/09

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DEPT-RECH

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UNIT- 4/05/83

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

DATE/TIME	SYS	COMP	MARKED	SUMMARY	WORKTYPE	U	MT	TOTAL/MTS
03/17/83	SI	VALVE	1-SI-138	BORIC ACID RESIDUE ON VLV BODY	COMPLETED	1	302211281	0
03/17/83	SI	VALVE	1-SI-137	BORIC ACID RESIDUE ON BODY	COMPLETED	1	302211284	0
03/17/83	DA	VALVE	TV-DA-103B	PACKING LEAK	ADJUSTED	1	302232331	0
03/17/83	SI	TANK	1-SI-TK-2	REPAIR WELD'S 1/W PROCEDURE TWPB	DEFECTIVE AREA NEXT TO WELD PIPE NOZ	1	303051053	0
03/17/83	CH	HANDWHEEL	1-CH-427	HANDWHEEL MISSING FROM VLV	INSTALLED HANDWHEEL	1	303061425	0
03/17/83	SS	VALVE	1-SS-857	REPACK VALVE	INSTALLED NEW PACKING	1	303100145	0
03/17/83	SS	VALVE	1-SS-859	REPACK VALVE	REPACKED VALVE REPLACE	1	303100147	0
03/17/83	SS	VALVE	1-SS-860	REPACK VALVE	REPACKED AND REPLACED	1	303100148	0
03/17/83	SS	VALVE	1-SS-861	REPACK VALVE	REPACKED AND REPLACED	1	303100149	0
03/17/83	SS	VALVE	1-SS-862	REPACK VALVE	REPACKED AND REPLACED	1	303100150	0
03/17/83	SW	INSTR	F1-SW-101A	UPPER SEAL HAS GROSS LEAK	ADJUSTED TENSION FORK	1	303110600	0
03/17/83	ES	STRAINER	N/A	REPAIR LEAK ON STRAINER	REPLACED GASKET	1	303132013	0
03/18/83	SI	VALVE	1-SI-250	BORIC ACID RESIDUE ON BODY	COMPLETED	1	302211159	0
03/18/83	SI	VALVE	1-SI-105	BORIC ACID RESIDUE ON BODY	COMPLETED	1	302211201	0
03/19/83	CV	PUMP	1-CV-P-2C	PUMP HAS SEAL LEAK REPAIR	RENEWED MECHANICAL SEAL	1	303170330	0
03/20/83	RC	VALVE	SV-RC-1551A	REMOVE VALVE FROM SYSTEM	REMOVED TESTED AND REINSTALLED	1	212211238	0
03/20/83	RC	VALVE	SV-RC-1551B	REMOVE VALVE FROM SYSTEM	PT 12 AND RC-V-4/RY	1	212211239	0
03/20/83	RC	VALVE	SV-RC-1551C	REMOVE VALVE FROM SYSTEM	PT 12 AND RC-V-4/RY	1	212211301	0
03/21/83	CV	VALVE	1-CV-6	REPAIR OR REPLACE VALVE	REMOVED VALVE CLEAN AND REINSTALLED	1	203290249	0
03/21/83	PD	PIPING	1-PD-DE-102A	REPLACE FLANGE BOLTS	REPLACED BOLTS ONE AT A TIME	1	211081100	0
03/21/83	SS	VALVE	1-SS-113	VALVE HAS BODY TO BONNET LEAK	TIGHTENED BONNET	1	212170501	0
03/21/83	SS	VALVE	1-SS-218	VALVE LEAKS	REPLACED VLV	1	302070916	0
03/21/83	SS	VALVE	1-SS-216	VALVE LEAKS	REPLACED VALVE	1	302070917	0
03/21/83	RC	PACKING	MOV-1595	VALVE STEM PACKING LEAK	ADDED ONE OI RING OF	1	302080956	0
03/21/83	FW	VALVE	1-FW-7	PACKING LEAK ON VALVE	REPACKED VALVE	1	302131006	0
03/21/83	FW	VALVE	1-FW-3	PACKING LEAK	REPACKED VALVE	1	302131008	0
03/21/83	FW	VALVE	1-FW-1	PACKING LEAK ON VALVE	REPACKED VALVE	1	302131009	0
03/21/83	FW	VALVE	MOV-151F	VALVE LEAKS BY	OVHL VALVE	1	302131109	0
03/21/83	FW	VALVE	MOV-151D	VALVE LEAKS BY	OVHL VALVE + REPACKED	1	302131111	0
03/21/83	FW	VALVE	MOV-151B	VALVE LEAKS BY	OVHL VALVE + REPACKED	1	302131115	0
03/21/83	SV	VENT TRA	1-SV-299	VENT TRAP	CLEARED INTERIOR	1	302170900	0
03/21/83	SV	VENT TRA	1-SV-295	VENT TRAP ON R EBERG SEAL WTR INT	CLEARED INTERIOR	1	302170908	0
03/21/83	SI	MANWAY	N/A	MANWAY LEAKS	REPLACED GASKET	1	302211217	0
03/21/83	SI	MANWAY	N/A	MANWAY LEAKS	REPLACED GASKET	1	302211296	0
03/21/83	SS	VALVE	1-SS-854	REPACK VALVE	COMPLETED REPACKED AND	1	303100186	0
03/21/83	CH	VALVE	TV-1204	BORIC ACID ON VALVE BODY	REPACKED VALVE + CLEANED	1	303111413	0
03/21/83	CI	VALVE	1-CH-419	PACKING LEAKS	ADDED PACKING AND	1	303111513	0
03/21/83	CH	PUMP	1-CH-P-1C	PUMP SEAL LEAKS INBOARDS	REPLACED GASKET	1	303123353	0
03/21/83	CH	VALVE	1-CH-412	FOURD BODY TO BONNET LEAK	REMOVED BONNET GASKET	1	303151548	0
03/21/83	CH	VALVE	1-CH-443	REPLACE VALVE PACKING NUTS	INSTALLED TWO BOLTS + NUTS	1	303162303	0
03/21/83	CH	VALVE	1-CH-236	VALVE HAS BLOW DIAPHRAM	REPLACED DIAPHRAM	1	303170700	0
03/21/83	CH	VALVE	1-CH-100	HANDWHEEL HAS COME OFF	REINSTALLED HANDWHEEL	1	303171090	0
03/21/83	CH	VALVE	1-CH-238	REPAIR REACH ROD	REPLACED BONNET	1	303172152	0

UNIT 1 - 6/05/03

COALITION OF CAPACITY RELATED SYSTEMS DURING OFFICE OR REDUCED WORK PERIODS

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15345-2470

UNIT- 9/05/83
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OF REACTOR POWER SYSTEMS)

110171- 4/05/87

DATE	SYS	CORP	MATERIAL	SUMMARY	REMARKS	QTY	UNIT PRICE
03/29/83	E7	VALVE	NOM-1B-1720A	PACKING LEAK	1-L INSPECTION CUT OUT LINE	1	302181350
03/29/83	C4	VALVE	LAV-1960	PACKING LEAK	TIGHTENED PACKING	1	302181355
03/29/83	C4	VALVE	FV-1-122	VALVE STICKING	REMOVED GASKET SET	1	302210100
03/29/83	F4	VALVE	1-FW-2	VALVE STEM BROKEN	REPLACED VALVE 1-FW-2	1	302230515
03/29/83	K5	FLANGE	1-KS-E-1C	INSTALL FLANGE	REMOVED BLANK FLANGES	1	303011052
03/29/83	F4	VALVE	1-FW-67	VALVE LEAKS	REPLACED VALVE	1	303091535
03/29/83	K1	VALVE	1-KH-11	FLANGE LEAK	RELEASED BODY TO DOWNST LEAK	1	303151503
03/29/83	C4	VALVE	1-CH-911	PACKING GLAND IS BROKEN	REPLACED VALVE	1	303130719
03/29/83	CH	PILGER	1-CH-E1-2	REMOVE INSPECTION	REPLACED COVER GASKET	1	303210000
03/29/83	CH	VALVE	1-CH-198	1-CH-198 HAS BLOW DIAPHRAGM	REPLACED DIAPHRAGM	1	303220823
03/29/83	C4	VALVE	NOM-1287C	STEM LEAK	ADJUSTED PACKING	1	303221019
03/29/83	V4	VALVE	TV-VF-107B	SLIGHT PACKING LEAK	TIGHTENED PACKING	1	303221019
03/29/83	K5	VALVE	NOM-KS-155A	VALVE LEAKS BY EXCESS	RESET MECHANICAL STOPPS	1	303231057
03/29/83	K5	VALVE	NOM-KS-155B	VALVE LEAKS BY EXCESS	RESET MECHANICAL	1	303231059
03/29/83	C4	PACKING	TV-CV-150C	PACKING LEAKS BY	TIGHTENED PACKING	1	303292153
03/30/83	K5	VALVE	1-KS-86	LEAKS TUB	ATTACHED VALVE AND	1	301161921
03/30/83	CH	VALVE	FV-1160	EXCESSIVE LEAKAGE	REPLACED PLUG + CAGE	1	302160795
03/30/83	F4	CONV ROD	N/A	TEST COVER ROD REPLACE	MADE ROD FOUL	1	303010415
03/30/83	K5	FLANGE	1-KS-E-1D	INSTALL FLANGE	REMOVED BLANKS	1	303011013
03/30/83	K5	FLANGE	1-KS-E-1P	INSTALL FLANGE	REMOVED BLANKS	1	303011100
03/30/83	K5	FLANGE	1-KS-E-1A	INSTALL FLANGE	REMOVED FLANGE	1	303011107
03/30/83	CC	VALVE	TV-CC-110B	FAILED TYPE C TEST	REPLACED SEAT AND REASSEMBLED	1	303011201
03/30/83	K5	FLANGE	1-KS-E-1D	REMOVE SPOTWELD FLANGE	REMOVED BLANK FLANGE	1	303022221
03/30/83	C5	VALVE	1-C5-127	BUILD SCAFFOLDING	ORDERED FOR INSPECTION	1	303054195
03/30/83	S1	VALVE	1-S1-108	REPAIR VALVE AS NECESSARY	VALVE SEVERELY DAMAGED REPLACED VALVE	1	303101100
03/30/83	CC	VALVE	1-CC-177	PT 16.9	REPLACED PIPING VALVE	1	303220912
03/30/83	CC	VALVE	1-CC-175	EXCESSIVE VALVE LEAKAGE	REPLACED GASKET IN	1	303220913
03/30/83	CH	BLANK	N/A	INSTALL HIGH PRESSURE BLANK	INSTALLED BLANK	1	303230933
03/30/83	CH	BLANK	N/A	INSTALL HIGH PRESSURE BLANK	INSTALLED BLANKS	1	303230939
03/30/83	C4	BLANK	N/A	INSTALL HIGH PRESSURE BLANK	INSTALLED BLANKS	1	303230935
03/30/83	C4	TAHK	1-CH-TK-1C	OVER WAREWAY	OUTER WAREWAY	1	303231809
03/30/83	CH	VALVE	1-CH-128	INSTALL 1/2 INCH PIPE ADAPTOR	INSTALLED TEMP ADAPTOR	1	303231601

DATE	VALUE	1-500-11	1000 LEAK ABANDON CASSET	BEST ALL CASSET	
03/20/93	K4				30355110
DAILY TOTAL					0
					0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTENANCE

MARCH, 1983

03/21/83

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UNIT 2 - 4/05/83
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

DATE	TIME	SYG	COMP	MARKED	SUMMARY	WORKING	U	MS	TOTAL
03/21/83	15	FR	DR	15	REPLACE FOUR KNOT	HAS ALREADY BEEN REPLACED	2	303101230	0
03/21/83	FR	DR	27	27	DOOR LEAKING AIR INTO CABLE VAULT	REPLACED DOOR ASSEMBLY	2	303151795	0
03/21/83	FR	DR	28	28	DOOR LEAKS AIR	REPLACED DOOR ASSEMBLY	2	303151750	0
03/21/83	FR	DR	32	32	STRIKE PLATE LOOSE AND RIPPING	TIGHTEN SCREWS	2	303160945	0
03/21/83	FR	PUMP	2-1A-1-2	2-1A-1-2	OVERSPEED TRIP	PUT SPRING BACK ON HOOK	2	303101232	0
03/29/83	MS	VIV	MSV-MS-2020	MSV-MS-2020	VIV LEAKS BY SEAT	REPLACED GASKETS	2	303201716	0
DEPT TOTAL									0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

MARCH, 1983

UNIT- 4/05/83
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

REMARKS	SYS	COMP	NAME	SUMMARY	WORK	U	NR	TIME
03/01/83	4	MOV	MOV-SN-105A	ASSIST MECH IN TESTING LIMITOR	VALVE TESTED AND	1	302281755	0
03/02/83	CH	VALVE	MOV-1350	CHECK TORQUE SWITCH	VALVE STOCK NO 0355103	1	212031258	0
03/02/83	V5	MOTOR	1-VS-P-100A	CHECK OPERATION OF MOTOR	MOTOR TEST SAT	1	301091106	0
03/02/83	V5	MOTOR	1-VS-P-100B	CHECK OPERATION OF MOTOR	MOTOR TEST SAT	1	301091107	0
03/02/83	V5	MOTOR	1-VS-100C	CHECK OPERATION OF MOTOR	MOTOR TEST SAT	1	301091108	0
03/02/83	V5	MOTOR	1-VS-P-101A	CHECK OPERATION OF MOTOR	MOTOR TEST SAT	1	301091152	0
03/02/83	EP	BREAKER	1-21-2162	BREAKER WILL NOT CLOSE	BREAKER HANDLE WAS FOUND	1	302281059	0
03/03/83	EP	MOV	MOV-SN-104A	ASSIST MECH IN TESTING LIMITOR	VALVE TESTED SAT	1	302281751	0
03/03/83	EP	CURT TOO	MOV-SN-104A	REPAIR FOR CLUSTER	REPLACED PLUG WITH	1	303021521	0
03/03/83	EP	BATTERY	1	BATTERY VOLTAGE READING 16A	REPLACED XMR	1	302011832	0
03/04/83	SC	MOV	MOV-SN-104C	ASSIST MECH IN TESTING LIMITOR	VALVE TESTED SAT	1	302281753	0
03/04/83	SC	MOV	MOV-SN-104D	ASSIST MECH IN TESTING LIMITOR	VALVE TESTED	1	302281754	0
03/04/83	SC	MOV	MOV-SN-105C	ASSIST MECH IN TESTING LIMITOR	VALVE TESTED SAT	1	302281757	0
03/04/83	SC	VALVES	N/A	SOLLENOID VALVE	CLEANED AND REINSTALLED	1	303030703	0
03/04/83	SC	HEATER	N/A	REPAIR HEATER LOAD COOL	REPLACED PLUG	1	303090719	0
03/06/83	SC	HEATER	1-10-E-1A	MECH HEATER GROUPS NOT PAD READING	PLUGGED HEATER	1	303091013	0
03/06/83	SC	MOV	MOV-SN-104B	ASSIST MECH IN TESTING	VALVE TESTED SAT	1	302281752	0
03/07/83	EE	HR	15/3	CLEAN AND INSPECT	PERFORMED PMS RE-CO-E/1A	1	301201103	0
03/07/83	EE	VALVE	MOV-RD-100	PRESSURE THERMAL OUT	TESTED SAT	1	303091045	0
03/08/83	SC	VALVE	MOV-SN-100C	NO CREEK LHD RED LITE ON CONSTANTLY	INSTALLED NEW VALVE	1	205201105	0
03/08/83	SC	MOV	MOV-SN-105B	ASSIST MECH IN TESTING	VALVE TESTED SAT	1	302281756	0
03/08/83	SC	MOV	MOV-100A	MOV WILL NOT OPER	ADJUSTED LIMITS	1	303071932	0
03/08/83	CH	HT	PHILACT21A	REPAIR CIRCUIT	HEAT TAP REPLACED	1	303091323	0
03/08/83	CH	HT	PHILACT6A	REPAIR CRT	HEAT TAP REPLACED	1	303091324	0
03/10/83	EE	RELAYS	15/3	PERFORM EXP-P-RT-35	PERFORMED PROCEDURE	1	301170810	0
03/11/83	EP	BREAKER	1-21-1A	PERFORM TEP 5	PERFORMED TEP5	1	301101112	0
03/11/83	EP	HR	15/3	CLEAN AND INSPECT	PERFORMED PMS RE-CO-E/1A	1	301201102	0
03/12/83	SI	HT	1-21-1A	REMOVE HEAT TRACING	REMOVED AND REINSTALLED	1	302200031	0
03/12/83	EP	HR	10/12	PERFORM PMS	PERFORMED PMS	1	303111058	0
03/12/83	EP	HR	10/1	PERFORM PMS	PERFORMED PMS	1	303111059	0
03/12/83	EP	HR	10/5	PERFORM PMS	PERFORMED PMS	1	303111100	0
03/13/83	EE	DIESEL	N/A	LOW FUEL OIL TEMPERATURE	ALARM CLEARED AFTER	1	303050015	0
03/13/83	EP	MOV	MOV-P4-151E	ACSTAT CONTACT IS STICKING	ADJUSTED MECHANISM	1	303100215	0
03/13/83	EP	SWITCH	15/3	SWITCH WILL NOT GO OUT OF FULL TO LO	REPLACED SWITCH	1	303130125	0
03/14/83	SC	RELAY	1C-4035A2	REPLACE DEFECTED RELAY	REPLACED RELAY AND	1	210160400	0
03/14/83	EP	BATTERY	1A1 + 1A2	POS CHARGE	ALL CHARGE INDIC ARE NOW CLEAR	1	211031031	0
03/14/83	EP	HR	15/3	CLEAN AND INSPECT	PERFORMED PMS RE-CO-E/1A	1	301201104	0
03/14/83	EP	HR	15/10	CLEAN AND INSPECT	PERFORMED PMS	1	301201109	0
03/14/83	EP	MOV	MOV-SN-104B	VALVE WILL NOT CYCLE PROLY	REPLACED THERMOP SWITCH	1	302281101	0
03/15/83	EP	RELAYS	15/1	PERFORM EXP-P-RT-43	PERFORMED EXP-P-RT-43	1	301170752	0
03/15/83	EP	RELAYS	15/9	PERFORM EXP-P-RT-46	PERFORMED EXP-P-RT-46	1	301170755	0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE ON REDUCED POWER PERIODS)

REF ID	SYS	COMP	MAKING	SUMMARY	WARRANT	U	TOTAL
03/15/83	EPH	RELAYS	15H8	PERFORM EPH-P-RT-19	PERFORMED PROCEHURE	1	301170754
03/15/83	SI	RELAYS	15H5	PERFORM EPH-P-RT-25	EPH-P-RT-25 VAC	1	301170806
03/15/83	EPH	RELAYS	15H7	PERFORM EPH-P-RT-21	PERFORMED PROCEHURE	1	301170806
03/15/83	SI	RELAYS	15H2	PERFORM EPH-P-RT-32	PERFORMED PROCEHURE	1	301170908
03/15/83	SI	RELAYS	15H3	PERFORM EPH-P-RT-33	PERFORMED PROCEHURE	1	301170809
03/15/83	EE	LOWERS	N/A	LOWERS ON A EPG	PERFORMED EPH-P-RT-33	1	302020350
03/15/83	SI	ARMOR	E-C-5	INVALID ALARM	CHECKED SAT	1	303030530
03/17/83	SS	VALVE	NOV-SS-1024	RESET LIMIT SWITCHES	NO LIMIT ADJUSTMENT	1	211121720
03/17/83	EPHC	SI-2	N/A	GROUND OF VAL	NO GROUND INDICATION	1	303030206
03/18/83	IA	MOTOR	1-1A-C-1	MOTOR NEEDS NEW SEALS	KAY LTR CHECKED SAT	1	303101502
03/18/83	CV	WC	1H1-2291	PUSHER HANDLE DOES NOT ENGAGE	ADJUSTED HANDLE AND	1	303100936
03/19/83	CC	VALVE	TV-CC-1104	RED LIGHT ON VALVE	ADJUSTED LIMITS AND	1	211122360
03/19/83	CH	VALVE	NOV-1281C	DISCONNECT FOR MECH	VALVE DISCONNECTED	1	303111057
03/19/83	CC	VALVE	TV-CC-1108	INTERMEDIATE LIGHT INDICATIONS	ADJUSTED LIMITS AND	1	303182200
03/20/83	CH	TRANSMIT	P-160	REPLACE COINBIT	REPLACED FLEX COINBIT	1	303110730
03/21/83	RC	VALVE	NOV-1303C	CLOSED LIGHT	REPLACED SNAPLOCK SWITCH	1	302210937
03/21/83	SI	NOV	NOV-RH-100	SUSPECT TORQUE SWITCH	INSTALL 24 TEST IN	1	303150355
03/21/83	CH	HT	PAN 8 CRT 20P	HEAT TAPE FAIL	REPLACED ALL OF THE	1	303171900
03/21/83	CH	HT	PAN 9 CRT 20A	HEAT TAPE FAIL	REPLACED ALL OF THE OLD	1	303171901
03/21/83	CH	HT	PAN 8 CRT 20A	HEAT TAPE FAIL	REPLACED ALL OF THE OLD	1	303171902
03/23/83	CS	NOV	NOV-CS-1024	DISC AND RECON FOR MECH	DISCONNECT AND RECON SAT	1	302101311
03/24/83	CS	NOV	NOV-CS-102B	DISC AND RECON FOR MECH	DISCONNECTED AND RECON SAT	1	302101310
03/24/83	EPH	BR	19J11	PERFORM PMS	PERFORMED PMS	1	303231359
03/25/83	EP	FR DR	21	LATCHING CANNOT OPEN DOOR	OPERATION SAT	1	303231095
03/26/83	EP	PUPP	1-EP-P-14	DISC AND RECON FOR MECH	NOVOR RETURNED TO SERVICE AFTER PMS	1	207270704
03/26/83	RI	NOV	NOV-RH-1720A	DISC & RECON NOV FOR MECHS	VALVE RETURNED TO	1	303060895
03/26/83	RI	ALARM	D-10	INVESTIGATES ALARM SYSTEM INDICATE S	ALARM WAS RECALIBRATED	1	33151945
03/26/83	EPHC	FUSSES	N/A	PERFORM EPH-C-EPHC-104	PERFORMED EPH-C-EPHC-104	1	303211039
03/26/83	VG	VALVE	TV-VI-100R	VALVE INDICATING LIGHTS DO NOT RESPND	ADJUSTED LIMITS	1	303221049
03/27/83	RI	MOTOR	1-RI-P-10	DISC AND RECON FOR MECH	NOVOR RETURNED TO SERVICE	1	207270709
03/28/83	EPHC	BATTERY	1-81	CLOUID INDICATED ON BATTERY NOV-1-1	CLOUID INDICATION NOV CLEAR	1	211092051
03/28/83	EPHC	BATTERY	1-182	CLOUID INDICATED ON BATTERY	CLOUID INDICATION NOV CLEAR	1	211092052
03/28/83	EPH	BR	15H9	CLEAR AND INSPECT	PMS COMPLETE	1	301201105
03/28/83	CH	BR	15J2	CLEAR AND INSPECT	PMS COMPLETE	1	301201107
03/28/83	CH	HT	PAN 9 CRT 20E	REPAIR OR REPLACE HEAT TAPE	REMOVED OLD TAPE*	1	302260701
03/29/83	EPH	TELESCOP F	1J1	TRAMP PANS BEARINGS ARE BROKEN	CHECKED SAT	1	207282255
03/29/83	CC	RELAYS	15H10	PERFORM EPH-P-RT-18	PERFORMED PROCEHURE	1	301170752
03/29/83	CC	BR	15J10	CLEAR AND INSPECT	PERFORMED PMS	1	301201106
03/29/83	EPH	BR	19J1	PERFORM PMS	PMS COMPLETE	1	303231351
03/30/83	EPH	RELAYS	15H9	PERFORM EPH-P-RT-19	PERFORMED PROCEHURE	1	301170754
03/30/83	RI	RELAYS	15J11	PERFORM EPH-P-RT-15	PERFORMED PROCEHURE	1	301170754
03/30/83	CC	RELAYS	15J10	PERFORM EPH-P-RT-22	PERFORMED PROCEHURE	1	301170801
03/30/83	EPH	RELAYS	15J7	PERFORM EPH-P-RT-24	PERFORMED PROCEHURE	1	301170803
03/30/83	SI	RELAYS	15H5	PERFORM EPH-P-RT-26	PERFORMED PROCEHURE	1	301170805
03/30/83	CV	RELAYS	15H6	PERFORM EPH-P-RT-30	PERFORMED PROCEHURE	1	301170812

DEPT-515C

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UNIT - 4/05/83
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

REVENUE	YES	COMP	MAKING	SUMMARY	EXTRP	U	IN	TOTAL
03/30/83	RT	REPLAYS	N/A	PERFORM EMP-P-KT-52	PERFORMED EMP-P-KT-52	1	301170820	0
03/30/83	CH	MOV	MOV-1370	REPLACE DAMAGED ELECTRIC CABLE	REPLACED CABLE AND MADE LINGER	1	303252215	0
03/31/83	KS	MOV	MOV-ES-155R	PT 15.4 VALVE	CHECKED CAT	1	208150101	0
03/31/83	RT	ALARM	N/A	LIQUID WASTE PANEL BOARD DOESN'T LIGHT	POWER SUPPLY REPAIRED	1	303201313	0
03/31/83	KS	MOTOR	N/A	PROCESS VENT MOTOR EMP VTR IS NOT	MOTOR CHECKED CAT	1	303201120	0
04/01/83	LI	ALARM	P-G-6	ASSIGNATION WILL NOT CLEAR	REPLACED LEAD ON ASSIGNMENT	1	303201141	0
DEPT TOTAL								
							--	0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE
MARCH, 1983

DET-2/BLSC

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UNIT 2 - 4/05/63
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

DATE/TIME	SYM	COMP	MANHO	SUMMARY	DESCRIPTION	QTY	MR	TOTAL QTY
03/17/63	LF	RELAYS	2513	REPAIR EXP-P-ET-73	PERFORMED PRECAUTIONS	2	303030942	0
03/29/63	CH	HT	PHL 3 CRT 2F	REPAIR OR REPLACE HEAT TRACE	REPLACED TAP	2	303231053	0
03/29/63	CH	HT	PHL 3 CRT 2F	REPAIR OR REPLACE HEAT TRACE	REPLACED TAP	2	303231054	0
03/29/63	RP	RELAY	RT6 X4	RELAY FOUND FAILED OPEN	REPLACED DEFECTIVE	2	303290936	0
03/29/63	RP	RELAY	RT 1 Y3	RELAY FAILED OPEN	REPLACED COIL TESTED SAT	2	303291506	0
NEW TOTAL								0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE
MARCH, 1983

10/25/10

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UNIT 1 - 0/05/83
 (MAINTENANCE OF SAFETY RELATED SYSTEMS DURING ORANGE OR STANDBY POWER PERIODS)

RECEIVED	SVS	COMP	MAINT	SUB-ASY	ANVSR	U	NR	TYPIST
03/01/83	C1	CONTROL	FC-150A	ACTUAL FLW IS LESS THAN 1 GPM	LOOP CHECK SAT IN CAL-263	1	21021510	0
03/02/83	R4	MONITOR	RI-005-151	MONITOR SPIKES IN ALTERNATE	CHECKED CALIBRATION	1	302001008	0
03/02/83	RI	SWITCH	H-31	REPLACE DEFEC NOBLE N-100	REPLACED TEST CALIBRATION	1	302151110	0
03/02/83	RI	N-32	H-32	SPRING	PERFORMED CAL-RI-006	1	302100020	0
03/02/83	C4	TRANSWIT	PT-1-122	TRANSMITTER WILL NOT CALIBRATE	REPLACED TRANSMITTER	1	302211103	0
03/03/83	SI	LESTR	F3-1-932	CALIBRATE	REPLACED TRANSMITTER WITH NDK	1	211210093	0
03/03/83	SI	LESTR	W32	LOST COUNT RATE	REPLACED LEVEL AMP	1	302221500	0
03/03/83	R4	MONITOR	RI-VG-103/110	POWER ON LIGHT WILL NOT LIGHT UP	THREW SWITCH ON	1	302291201	0
03/05/83	RI	LESTR	RI-1-310	ADJUST INDICATOR	NO PROBLEMS YET SET	1	302260700	0
03/07/83	R4	MONITOR	RI-VG-109	REMOVE PIC FROM RI-VG-109	MOVED PIC	1	303031002	0
03/07/83	R4	RETRON	RI-GN-102	ACTUAL ALARM SETPOINT FOUND TO BE CR	ADJUSTED SETPOINTS	1	303011203	0
03/08/83	SI	LESTR	FI-1-962	ALL FLW PATHS ISOLATED	XMR FAILED REPLACED	1	303051519	0
03/08/83	FI	GAUGE	N/A	FUEL OIL STEAMER PRESSURE IS HIG	REPLACED WITH HX CALIBRATED GAUGE	1	303080305	0
03/09/83	RI	RECORD	RI-01	CLAR STRIPPED IN SEAWO DRIVE	REPLACED GEAR ON	1	302270000	0
03/10/83	RI	RECORD	RI-04-100A	IS-100A ISOLATED	RECALIBRATED RECORDER	1	302181000	0
03/11/83	R4	LESTR	N/A	INSTALL TEMPORARY INR SUPPLY	PLACED MONITORS ON TEMPORARY INR	1	303091915	0
03/12/83	R4	MONITOR	RI-150	FILTER FAULT WILL NOT CLEAR	MOVED THE DETECTOR AWAY	1	303120300	0
03/13/83	R4	MONITOR	RI-VG-131-1	REPAIR FAULT FAILURE ALARM	REPLACED FUSE	1	303132310	0
03/14/83	R4	MONITOR	RI-005-151	VERY ERGATIC	WORE NOT NECESSARY	1	303040750	0
03/15/83	R4	WIRE	RI-005-151	LOOSE WIRES ON DETECTOR	TIGHTENED SCREWS	1	303110500	0
03/15/83	R4	MONITOR	RI-005-150/160	SUSPECT WATER IN MONITOR	UP CHANGED TOPING FILTER	1	303130303	0
03/16/83	C4	LESTR	TI-1-100	FAILED HIGH	INSTALLED NEW K90 CHECKED	1	212000051	0
03/16/83	R4	MONITOR	RI-VG-123	MONITOR CONTINUOUSLY ALARMING	TORQUESHOT 600/900	1	302191500	0
03/16/83	R4	MONITOR	RI-SW-107	MONITOR SPIKING	FOUND DETECTOR LOOSE	1	302241520	0
03/16/83	C4	LESTR	PT-1-160	REPLACE XMR	REPLACED TRANSMITTER	1	303101735	0
03/16/83	R4	MONITOR	RI-SW-111	CHECK SOURCE STICKS	REPLACED CR SOURCE	1	203141000	0
03/17/83	IC	RELAY	N/A	CHECK WIRING OF K17 RELAY	CHANGED WIRING OF PID	1	303131313	0
03/17/83	IC	DETECTOR	MD-3	DETECTOR PRODUCES ERGATIC AND UNICAR	PERFORMED INP-C-187-20	1	302021515	0
03/20/83	RS	LESTR	LI-1-071	A SW GPM LOW WIDE RANGE	PERFORMED LOOP REFUELING	1	302111715	0
03/20/83	R4	SETPOINT	RI-VG-110	CHARGE SETPOINT	CHARGE SETPOINT	1	303201055	0
03/21/83	VS	LESTR	FI-VG-117B	CONTROLLER WILL NOT GO IN VADIAL	REPLACED AUTO SWITCH	1	303101325	0
03/23/83	RI	GAUGE	W4	IN INWER SUPPLY FAILED	REPLACED AND CALIBRATED	1	303201000	0
03/24/83	R4	MONITOR	RI-VG-109	MONITOR SPIKES HIGH	PROBLEM CLEARED WHEN	1	303220719	0
03/24/83	RI	RETRON	RI-100	POINTS DO NOT PRINT CLEARLY	REMOVED FROM MONITOR	1	303220719	0
03/27/83	RI	MONITOR	RI-VG-110	MONITOR SPIKES HI AND FAILS LOW	REMOVED CAL-RI-001	1	303262000	0
03/28/83	CS	GAUGE	FI-GS-103	PRESSURE GAUGE IS PROBLEM	REPLACED GAUGE	1	303271020	0
03/29/83	RI	RECORD	RI-05	PIR TWO IS NOT RESPONDING	REPLACED AMPLIFIER AND	1	302161125	0
03/29/83	R4	MONITOR	RI-VG-109	LOGICATE CARD BEING MOD	REPLACED MONITOR AND	1	303111300	0
03/29/83	VS	CONTROL	FI-VG-117A	CONTROLLER WILL NOT SHUT	REPLACED TRANSMITTER	1	303211233	0
03/29/83	R4	RECORD	RI-100	ALL POINT READING LOWER	CELL AND OVERFLOW AND	1	303210792	0
03/29/83	R4	RECORD	RI-200	ERGATIC OPERATING	ADJUSTED OVERFLOW	1	303200793	0
03/29/83	FI	PIPLW	FI-VG-111A	AIR LINE TO V-113-A	VALVE CYCLED AND CHECK	1	303250953	0

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UNITS - 4/05/83
(CALCULATION OF SAFETY RELATED SYSTEMS DURING OUTAGE OF REMOTED POWER PERIODS)

SEQUENCE#	SVS	COMP	MESSAGE	SUMMARY	MESSAGE	U	NR	TOTAL/RTM
03/29/83	RM	MONITOR	K1-VG-100	CORRECT FLOW FAULT	ONE SWITCH AND	1	303251950	0
03/29/83	RM	GAUGE	F1-1600A	CALIBRATE	END CAL CHECK ON GAUGE	1	303262211	0
03/29/83	RM	GAUGE	F1-1600B	CALIBRATE	END CAL CHECK ON GAUGE	1	303262212	0
03/29/83	RM	GAUGE	F1-1602	CALIBRATE	END CAL CHECK ON GAUGE	1	303262213	0
03/29/83	RM	ALARM	0-50	ALARM LOCKED IN	LOOP CHECKED SAT	1	303270527	0
03/30/83	RM	MONITOR	RI-600-V200	MONITOR SPIKES HIGH	THIS IS A SELF-TEST	1	303300706	0
NET TOTAL								0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

MARCH, 1983

DEPT-1457

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UNIT2- 4/05/83
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

REFERENCE	YES	COMP	MAKE/NO	SUMMARY	REMARKS	U	SL	TOTAL/INT
03/06/83	YES	MONITOR	MI-55-226	ALARMING CONTINUOUSLY	PERFORMED CAL-KR-260	2	301271001	0
03/06/83	KN	MONITOR	MI-55-212	MONITOR TANKING STOP	NO PROBLEMS	2	302231005	0
03/06/83	KN	INSTR	KR-250/260	FLOW FAULT EXISTS	CHANGED SYSTEM FOR	2	303052200	0
03/18/83	MI	INSTR	2-MI-41	NO.1 HEADS LOW	NO.1 PACE IN SERVICE	2	302001505	0
03/21/83	KN	MONITOR	KR-250	FALSE SETPOINT ON KR-250	CHANGED SETPOINTS	2	303211650	0
03/28/83	K7	GAUGE	2-FI-KR-201A	PRESS GAUGE HIGHER	REPLACED GAUGE	2	303232000	0
03/29/83	TYPE	RECORDER	N/A	BATT VOLT RECORDER NO.2 DOES NOT WORK	TIGHTENED TAKE-UP ROLL	2	303251255	0
DEPT TOTAL								

HEALTH PHYSICS

MARCH, 1983

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, 1983

<u>PROCEDURE NO.</u>	<u>UNIT</u>	<u>TITLE</u>	<u>DATE DEVIATED</u>	<u>DATE SNSOC REVIEWED</u>
CAL-NI-047	1,2	Calibration Pro- cedure for Nuclear Instrumentation Source Range Drawer	2/23/83	3/10/83
CAL-RC-63	1	Steam Dump Control System	3/1/83	3/17/83