VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 82-11

APPROVED BY: J. L. Wilson
STATION MANAGER

OPERATING DATA REPORT

DOCKET NO. 50-280
DATE 03 DEC 82
COMPLETED BY VIVIAN JONES
TELEPHONE 804-357-3184

OPERATING STATUS

1.	UNIT NAME	SURRY UNIT 1
2.	REPORTING PERIOD	111182 TO 113082
3.	LICENSED THERMAL POWER (MWT)	2441
4.	NAMEPLATE RATING (GROSS MWE)	847.5
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

NOTES

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	8016.0	87144.0
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	684.0	7133.2	58167.7
13.	REACTOR RESERVE SHUTDOWN HOURS	33.7	33.7	3765.2
14.	HOURS GENERATOR ON-LINE	667.5	7035.9	52110.7
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1515045.7	16581165.0	120914431.4
17.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	482550.0	5224670.0	39043883.0
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	456878.0	4949680.0	37026916.0
19.	UNIT SERVICE FACTOR	92.7 %	87.8 %	59.8 %
20.	UNIT AVAILABILITY FACTOR	92.7 %	87.8 %	64.1 %
21.	UNIT CAPACITY FACTOR (USING MDC NET)	81.9 %	79.7 %	54.8 %
22.	UNIT CAPACITY FACTOR (USING DER NET)	80.5 %	78.4 %	53.9 %
23.	UNIT FORCED OUTAGE RATE	7.3 %	4.4 %	28.2 %
24.	SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	2-1-83 - 74 DAYS-REFUELING-10YR.		

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 06 DEC 82
COMPLETED BY VIVIAN JONES
TELEPHONE 804-357-3184

OPERATING STATUS

1.	UNIT NAME	SURRY UNIT 2
2.	REPORTING PERIOD	110182 TO 113082
3.	LICENSED THERMAL POWER (MWT)	2441
4.	NAMEPLATE RATING (GROSS MWE)	847.5
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

NOTES

		THIS MONTH	YR-TO-DATE	CUMULATIVE
11.	HOURS IN REPORTING PERIOD	720.0	8016.0	84024.0
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7447.8	52308.5
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14.	HOURS GENERATOR ON-LINE	720.0	7374.4	51486.1
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1751066.6	17092074.2	120869860.1
17.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	575785.0	5526650.0	39203829.0
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	546960.0	5227572.0	37156287.0
19.	UNIT SERVICE FACTOR	100.0 o/o	92.0 o/o	61.3 o/o
20.	UNIT AVAILABILITY FACTOR	100.0 o/o	92.0 o/o	61.3 o/o
21.	UNIT CAPACITY FACTOR (USING MDC NET)	98.0 o/o	84.1 o/o	57.1 o/o
22.	UNIT CAPACITY FACTOR (USING DER NET)	96.4 o/o	82.8 o/o	56.1 o/o
23.	UNIT FORCED OUTAGE RATE	0.0 o/o	2.5 o/o	15.5 o/o
24.	SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	FALL MAINT. - DEC. 7, 1982-8 DAYS N		

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1982

DOCKET NO. 50-280
UNIT NAME Surry 1
DATE 12-07-82
COMPLETED BY Vivian H. Jones
TELEPHONE (804) 357-3184x477

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
82-27	11-04-82	F	41.3	A	3	82-110/03L-0	RC	FUEL XX	Loss of "A" Main transformer causing generator trip. Due to initiation of fire water spray down of transformer causing a ground fault.
82-28	11-18-82	F	1.5	A	1	82-111/03L-0 82-112/03L-0	RB PC	XXXXXX PUMP XX	Generator taken off line to remove disconnect G105 from service due to overheating.
82-29	11-19-82	F	0.0	A	1				Generator output reduced to 600 MW due to disconnect G108 overheating.

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1982

DOCKET NO. 50-280
UNIT NAME Surry 1
DATE 12-07-82
COMPLETED BY Vivian H. Jones
TELEPHONE (804) 357-3184x477

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
82-30	11-23-82	F	0.0	A	1				Generator output reduced to 600 MW due to disconnect G108 overheating.
82-31	11-29-82	F	9.7	A	3	82-117/03L-0	RC	FUEL XX	Reactor trip due to "A" Reactor Coolant pump. Loss of pump was caused by a relay failure (33XR-V590) while performing PT-8.3A.

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.
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4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1982

DOCKET NO 50-281
UNIT NAME Surry II
DATE 12-07-82
COMPLETED BY Vivian H. Jones
TELEPHONE (804) 357-3184x477

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
82-39	11-27-82	S	0.0	H	I				Reduced power to load follow on orders of the system operator.

S

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

(9/77)

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1 MONTH: November, 1982

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWH	REASON
			NONE DURING THIS REPORTING PERIOD.			
				MONTHLY TOTAL		

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2 MONTH: November, 1982

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWH	REASON
			NONE DURING THIS REPORTING PERIOD.			

MONTHLY TOTAL

DOCKET NO. 50-287
UNIT DUKE I
DATE 12-1-82
COMPLETED BY VIVIAN H. JONES

AVERAGE DAILY UNIT POWER LEVEL

MONTH: NOVEMBER 82

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	742.3	16	744.2
2	741.4	17	6[illegible]3.5
3	740.7	18	329.3
4	601.1	19	694.3
5	0.0	20	599.0
6	1[illegible]4.9	21	737.9
7	[illegible]55.1	22	741.5
8	734.5	23	731.5
9	737.8	24	592.0
10	741.0	25	738.8
11	742.2	26	740.6
12	745.3	27	744.8
13	745.2	28	743.8
14	745.2	29	361.4
15	743.4	30	304.1

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 o/o 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 POINT 1
DATE 12-1-82
COMPLETED BY VIVIAN H. JONES

AVERAGE DAILY UNIT POWER LEVEL

MONTH: NOVEMBER 82

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	754.4	16	759.6
2	755.8	17	758.8
3	761.6	18	756.0
4	759.8	19	760.7
5	755.5	20	766.9
6	756.9	21	766.2
7	759.4	22	764.0
8	761.6	23	763.0
9	762.5	24	766.9
10	763 1	25	763.3
11	763.5	26	764.4
12	763.5	27	710.9
13	761.8	28	762.4
14	762.1	29	763.3
15	762.1	30	759.8

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 o/o 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

NOVEMBER, 1982

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

November 1	0001 - Reactor at 100%, 785 MW
	2052 - On excess letdown, off normal letdown to check non-regenerative heat exchanger for tube leak.
November 2	0310 - Back on normal letdown, no leaks found in heat exchanger.
	0730 - Isolated component cooling to excess letdown to check for leaks.
	1730 - Reduced turbine load 15 MW's due to losing level in high pressure drain tank, expecting pump to trip.
	1755 - Returned to full power, high pressure drain tank level control normal.
November 4	1930 - Reactor trip caused by loss of "A" main transformer.
November 6	0211 - Reactor Critical. Replaced lighting arrestor bushing on "A" phase main transformer.
	1247 - Generator on line.
	1400 - Reactor at 35% power, controls in automatic, increasing at 3%/Hr.
	1900 - Reactor at 50% power.
November 7	1400 - Reactor at 100% power, 785 MW.
November 9	1750 - Established component cooling flow thru excess letdown heat exchanger.
November 10	0948 - Emergency drill commenced.
	1705 - Emergency drill completed.

November 12	1525 - MOV-CS-102A isolated due to leakage. Start 24 hour clock.
	2330 - MOV-CS-102A returned to service.
November 13	0129 - Chemical addition tank level 96%, below tech. spec. minimum. Start 6 hour clock.
	0146 - Isolated component cooling to excess letdown heat exchanger. Suspect tube leak.
	0350 - Chemical addition tank level 97%, stop 6 hour clock.
November 17	1845 - Commenced ramp down due to disconnect G105 Overheating.
	2130 - Holding reactor power at 50%.
	2240 - Commenced ramp down to get disconnect out of service.
November 18	0032 - Generator off the line.
	0200 - Generator on the line, disconnect G105 removed from service.
	0310 - Holding power at 35% for chemistry.
	0415 - Commenced power increase at 3%/Hr.
	1720 - Holding power at 69% to evaluate disconnect G108 temperature increase.
	1930 - Commenced power increase at 3%/Hr.
November 19	0605 - Reactor at 100% power - 780 MW.
	1854 - Commenced power decrease at 150 MW/HR. Disconnect G108 overheating.
	2015 - Holding power at 79% to evaluate disconnect G108.
November 20	1518 - Start power increase at 3%/Hr. Disconnect G105 returned to service with jumper installed.
	2315 - Reactor at 100% power, 785 MW.
November 23	2225 - Commenced power decrease at 150 MW/Hr. Disconnect G108 overheating.
	2335 - Holding at 80% power - 600 MW.

November 2[illegible]	1645 - Commenced power increase at 3%/Hr. Jumper installed on disconnect.
November 25	0100 - Reactor at 100% power 780 MW.
November 29	1022 - Reactor trip on loss of "A" Reactor coolant pump. Pump tripped due to faulty relay while performing PT 8.3A.
	1238 - Reator critical.
	2007 - Generator on line.
	2155 - Holding at 46.5% power. Delta flux out of band for over two hours.
November 30	2100 - Commenced slow power increase due to boron recovery tank volume.

UNIT II

November 1	0001 - Reactor at 83% power, increasing power.
	012[illegible] - Reactor at 100% power.
November 9	0845 - Vent, vent, gas release. Component cooling head tank level column hose blew off - 30% tech. specs.
November 10	0948 - Emergency drill commenced.
	1705 - Emergency drill completed.
November 22	1715 - Feedwater PH 8.24 action level I. Start 12 hour clock.
	1815 - Feedwater PH 8.85 (in spec.). Stop clock.
November 27	0032 - Power decrease - load follow.
	0214 - Stop decrease - 72% power, 580 MW.
	0553 - Power increase - 150 MW/Hr.
	0748 - Reactor at 100% power.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

NOVEMBER, 1982

None during this reporting period.

FACILITY CHANGES REQUIRING NRC APPROVAL

NOVEMBER, 1982

None during this reporting period.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

NOVEMBER, 1982

		UNIT
DC 81-36	Replacement of Restricting Orifice 4303 & 3303	1 & 2

The noise from the restricting orifices was above acceptable noise limits when a condensate polisher is recycled (prior to service) to a condenser connection. This design change installed a series of three orifice plates that will cause a more gradual drop in system pressure to reduce the noise.

SUMMARY OF SAFETY ANALYSIS

There are no safety implications as a result of this design change. The modification will bring the noise down to an acceptable limit for station employees.

NOVEMBER, 1982

TESTS AND EPERIMENTS REQUIRING NRC APPPOVAL

None during this reporting period.

TESTS AND EXPERIMENTS THAT DID NOT REQUIRE NRC APPROVAL

None during this reporting period.

OTHER CHANGES, TESTS AND EXPERIMENTS

NOVEMBER, 1982

None during this reporting period.

SURRY POWER STATION

CHEMISTRY REPORT

November 19 82

T.S. 6.6.3.d

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., µCi/ml	6.04^{0} (A)	1.15^{0} (A)	3.11^{0} (A)	4.39^{-1}	1.69^{-1}	2.52^{-1}
Suspended Solids, ppm	0.1	0.1	0.1	0.1	0.1	0.1
Gross Tritium, µCi/ml	1.07^{-1}	2.81^{-2}	5.25^{-2}	1.96^{-1}	1.55^{-1}	1.80^{-1}
Iodine-131, µCi/ml	4.71^{0} (A)	5.13^{-2} (A)	9.17^{-1} (A)	3.57^{-3}	5.92^{-4}	1.52^{-3}
I-131/I-133	.7599	.3999	.5557	1.7500	.2131	.6947
Hydrogen, cc/kg	37.1	25.3 (B)	29.7	45.8	31.0	37.6
Lithium, ppm	1.00	.34 (C)	.68	1.25 (D)	1.05	1.18
Boron-10, ppm +	88.98	20.78	39.18	95.26	79.97	85.76
Oxygen-16, ppm	.000	.000	.000	.000	.000	.000
Chloride, ppm	<.05	<.05	<.05	<.05	<.05	<.05
pH @ 25°C	7.40	6.60	7.16	6.91	6.79	6.85

+ Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL (E)
RELEASES, POUNDS
T.S. 4.13 A.6

Phosphate - Boron 915

Sulfate - Chromate 0.0

50% NaOH - Chlorine 0.0

REMARKS: (A) Values reflect suspected failed fuel. (B) Low hydrogen concentration following unit ramp 11/79 increase in VCT pressure recommended. (C) LiOH added to increase Li concentration: 390 gms on 11/4, 1070 gms on 11/8, 470 gms on 11/12 390 gms on 11/16 and 360 gms on 11/19. (D) Cation bed placed in service 11/79 to lower Li concentration. (E) The levels of these chemicals should create no environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE THERMAL DISCHAGE LIMITS WERE EXCEEDED

NOVEMBER, 1982

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

November 1, 1982 - Exceeded 15°F ΔT across station
November 2, 1982 - Exceeded 15°F ΔT across station
November 3, 1982 - Exceeded 15°F ΔT across station
November 4, 1982 - Exceeded 15°F ΔT across station
November 7, 1982 - Exceeded 15°F ΔT across station
November 8, 1982 - Exceeded 15°F ΔT across station
November 9, 1982 - Exceeded 15°F ΔT across station
November 10, 1982 - Exceeded 15°F ΔT across station
November 11, 1982 - Exceeded 15°F ΔT across station
November 12, 1982 - Exceeded 15°F ΔT across station
November 13, 1982 - Exceeded 15°F ΔT across station
November 14, 1982 - Exceeded 15°F ΔT across station
November 16, 1982 - Exceeded 15°F ΔT across station
November 22, 1982 - Exceeded 15°F ΔT across station
November 23, 1982 - Exceeded 17.5°F ΔT across station
November 24, 1982 - Exceeded 17.5°F ΔT across station
November 25, 1982 - Exceeded 17.5°F ΔT across station
November 26, 1982 - Exceeded 15°F ΔT across station
November 27, 1982 - Exceeded 15°F ΔT across station
November 28, 1982 - Exceeded 15°F ΔT across station
November 29, 1982 - Exceeded 15°F ΔT across station

*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 November 4 due to a Unit #1 reactor trip.

The temperature change at the station discharge exceeded 3°F per hour on November 29 due to a Unit #1 reactor trip. The two associated with the reactor trip were allowable in accordance with Technical Specification 4.14.B.1.

There were no reported instances of adverse environmental impact.

FUEL HANDLING

NOVEMBER, 1982

Units One and Two

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE OPERATING MODE DESCRIBED IN THE FSAR

November, 1982

None during this reporting period.

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

NOVEMBER, 1982

None during this reporting period.

INSERVICE INSPECTION

NOVEMBER, 1982

Units One and Two

None during this reporting period

REPORTABLE OCCURRENCES PERTAINING TO ANY OUTAGE OR POWER REDUCTIONS

NOVEMBER, 1982

None during this reporting period.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

UNIT1-12/09/82
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVOT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTMNTN
11/04/82	RM	MONITOR	RMS-159	INSTALL QUICK DISCONNECT	FABRICATED AND INSTALLED AS	1	205071246	0
11/04/82	DG	VALVE	1-DG-14	VALVE HAS BODY TO BONNET LEAK	TRIED TO TIGHTEN DOWN ON BODY	1	210191457	0
11/04/82	RC	VALVE	1-RC-68	ADJUST PACKING GLAND	ADJUSTED VARIOUS PACKING	1	210241246	0
11/04/82	MS	BOTTLE	1	CHANGE OUT NITROGEN BOTTLE	COMPLETED	1	210280716	0
11/04/82	MS	VALVE	PCV-MS-102A	OVERHAUL	CHANGED GASKET SET	1	211011501	0
11/04/82	MS	VALVE	PCV-MS-102B	OVERHAUL	CHANGED GASKET SET	1	211011502	0
11/04/82	CH	VALVE	1-CH-107	REMOVE BORIC ACID PLUG	UNCLOGGED LINE INSTALL	1	211031516	0
11/04/82	RM	PIPING	N/A	THREADED FITTING BY 1-RM-15	APPLIED THREAD COMPOUND	1	211032154	0
11/05/82	CS	PUMP	1-CS-T-3A+3B	IMPLEMENT ENG STUDY 81-11	REMOVED 3A + 3B	1	108281109	0
11/05/82	MS	VALVE	1-MS-145	VALVE HAS BODY TO BONNET LEAK	FURMANITED BODY TO	1	210230730	0
11/06/82	MS	VALVE	SOV-MS-102B	VALVE LEAK BY	REPLACED GASKET SET	1	211051243	0
11/06/82	MS	VALVE	SOV-MS-102A	VALVE LEAKS BY	REPLACED GASKET SET	1	211051244	0
11/17/82	VS	PLUG	1-VS-X-4B	REPLACE ZINC PLUG	REPLACE ZINC AND PLUG	1	211150517	0
11/20/82	FW	BOTTLES	FW-P-2	CHANGE OUT NITRO BOTTLES	REPLACED N2 BOTTLE	1	211091807	0
11/29/82	BD	VALVE	TV-BD-100A	REPAIR TO ORIGINAL HAS BEEN FURMANIT	OVERHAULED VALVE	1	206221536	0
11/29/82	VS	PUMP	1-VS-P-1A	REPACK PUMP	REPACKED PUMP USED 6	1	211120132	0
11/29/82	VS	PUMP	1-VS-P-2B	REPACK	DISASSEMBLED PUMP + INSPECTED INTERN	1	211120140	0
11/29/82	CS	VALVE	1-CS-57	VALVE HAS PIPE BROKEN OFF	RENEWED PIPE NIPPLE	1	211162300	0
11/29/82	SW	PUMP	1-SW-P-1A	CLEAN SUCTION STRAINER	MANUFACTURED NEW STRAINER	1	211230807	0
11/29/82	FW	BOTTLE	1-FW-P-2	CHANGE N2 BOTTLE	REPLACED N2 BOTTLE AND	1	211280901	0
11/30/82	SW	PUMP	1-SW-P-10B	ADJUST PUMP PACKING	ADJUSTED PACKING	1	211290330	0
								--
DEPT TOTAL								0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTENANCE

None during this reporting period.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

UNIT1-12/09/82
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RST=RWDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
11/04/82	D4	INSTR	CS-DA-104	B LAVEL SWITCH STICKS	STRAIGHTENED ROD ON	1	208312359	0
11/05/82	EPH	TRANSFOR	N/A	CHECK A MAIN TRANSFORMER	REPLACED LIGHTENING	1	211042100	0
11/06/82	MS	SOV	SOV-MS-102A	ADJUST LIMIT SWITCHES ON SOV-MS-102A	ADJUSTED LIMITS AND	1	211051837	0
11/06/82	MS	SOV	SOV-MS-102B	ADJUST LIMIT SWITCHES]	FOUND AIR ISOLATED TO	1	211051838	0
11/17/82	CS	MOV	MOV-CS-102A	WORK WITH OPS	CHANGED TORQUE SETTING	1	211121900	0
11/17/82	SW	VALVE	MOV-SW-102A	MOV-SW-102A CLOSED BOTH 4A+B LOCKOUT	MOV SW 102A CHECKED OK	1	211160227	0
11/17/82	CW	SWITCH	LS-CW-102B	PROCESS VENT WATER ALART ALARM	CHECKED OPERATION OF	1	211161112	0
11/17/82	SW	MOV	MOV-SW-102B	ADJUST LIMITS AS NECESSARY	ADJUSTED LIMITS AND	1	211170906	0
11/24/82	EPDC	BATTERI	1 EDC	REPLACE BATTERY	REPLACED BATTERY AND	1	211240700	0
11/30/82	SS	INSTR	TV-SS-106B	CLOSED INDICATING LIGHT	OPERATED VALVE SAT AND	1	211261104	0

DEPT TOTAL								0

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MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE

None during this reporting period.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

UNIT1-12/09/82
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETURNED OUT	SYS	COMP	MARKED	SUMMARY	WKPERF	U	MR	TOTUNITH
11/04/82	RC	INSTR	GA6	ROD CONTROL 4S URGENT FAILURE	REPLACED FUSE AND	1	211040705	0
11/05/82	RC	MONITOR	SC1-RC-100B	CORE COOLING MONITOR ERRATIC	RAN PT 2.27 CHECK SAT	1	211041624	0
11/05/82	RM	MONITOR	RI-GW-101	CHECK SOURCE BUTTON BLOWS FUSES	SECURED BRIDGE CIRCUIT	1	211051420	0
11/07/82	RM	MONITOR	RM-CC-105	RESET LITE DOESNT WORK	REPLACED Q104 CHECKED SAT	1	211051457	0
11/07/82	RM	MONITOR	RI-CC-105	CHANGE ALARM SETPOINTS	CHANGED SETPOINTS	1	211060655	0
11/17/82	RP	INSTR	F-8	INDICATION ERRATIC INVESTIGATE	REPLACED SIGNAL MODULE	1	211161415	0
11/17/82	RM	DETECTOR	RI-RMS-151	SPIKING	RECALIBRATED DETECTOR	1	211170515	0
11/18/82	RM	PUMP	RM-VG-103/104	EXCESSIVE FLOW RATE	ADJUSTED FLOW TO WITHIN	1	211151545	0
11/30/82	RM	RECORDER	RR-175	REPLACE PULLEYS	RECORDER CHECKED OK	1	211210350	0
11/30/82	FW	INSTR	FR-1-483	RECORDER DOESNT ROTATE	CLEANED AND INSPECTED	1	211230725	0
								--
DEPT TOTAL								0

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

UNIT2-12/09/82
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RMTS&RVDT	SYS	COMP	MAINNO	SUMMARY	WKPERF	U	MR	TOT%MTN
11/27/82	HP	INSTR	F-06	CHECK CALIBRATION	ALIGNED INDICATOR	2	211270531	0
DEPT TOTAL								0

HEALTH PHYSICS

NOVEMBER, 1982

There was no single release of radioactivity or radiation exposure specifically associated with an outage that accounted for more than 10% of the allowable annnual values in 10CFR20.

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

November, 1982

Procedure No.	Unit	Title	Date Deviated	Date SNSOC Reviewed
MMP-C-G-061.2	1	Repairs to Gast Vacuum Pumps	10-20-82	11-12-82
MMP-C-G-84	1	Repair or Replacement of Worn or Defective Pump Internals Ingersoll-Rand Inliner pumps	09-13-82	11-12-82
EMP-C-FP-43	1	Sealing of Fire Stops using Dow Corning Q3-6548 Silicone RTV Foam	10-28-82	11-12-82