

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 80-02

FEBRUARY, 1980

APPROVED:


MANAGER

8003180459

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OPERATING DATA REPORT

DOCKET NO. 50-280
DATE 06 MAR 80
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 1
2. REPORTING PERIOD 2-01-80 TO 2-29-80
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	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	187.9	3740.5
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)	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

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OPERATING DATA REPORT

DOCKET NO. 50-281
 DATE 06 MAR 80
 COMPLETED BY O.J. COSTELLO
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 2
2. REPORTING PERIOD	2-01-80 TO 2-29-80
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 (NET MWE)	N/A
10. REASONS FOR RESTRICTIONS, IF ANY	N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	696.0	1440.0	59904.0
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	56.8 %
20. UNIT AVAILABILITY FACTOR	0.0	0.0	56.8 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	52.9 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	49.8 %
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, ESTIMATE DATE OF STARTUP	5/5/80
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	

FORECAST ACHIEVED

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY 1980

DOCKET NO. 50-280
 UNIT NAME SURRY UNIT 1
 DATE 3/1/80
 COMPLETED BY O.J. COSTELLO
 TELEPHONE (804) 357-3184

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
8-4	2-19-80	F	241.7	D	1	80-018			<p>Pipe stress reanalysis on reactor cavity purification & seal water return lines revealed a potential overstressed condition on the piping penetrations in the event of a design basis earthquake.</p> <p>A turbine inspection was commenced immediately after shutdown due to above normal vibration experienced immediately prior to unit shutdown and to conduct inspections of the low pressure rotor discs.</p>

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

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

⁵
 Exhibit I - Same Source

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1

MONTH: February, 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-	

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY 1980

DOCKET NO. 50-281
 UNIT NAME SURRY UNIT 2
 DATE 3/1/80
 COMPLETED BY O.J. COSTELLO
 TELEPHONE (804) 357-3184

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
80-2	2-1-80	S	696	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 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)

DOCKET NO 50-280
UNIT SURRY I
DATE 1-80
COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: FEBRUARY 80

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	751.1	16	751.0
2	750.0	17	750.3
3	750.3	18	747.1
4	749.4	19	592.5
5	749.6	20	0.0
6	751.8	21	0.0
7	749.2	22	0.0
8	750.3	23	0.0
9	749.5	24	0.0
10	749.6	25	0.0
11	746.7	26	0.0
12	745.8	27	0.0
13	746.3	28	0.0
14	746.9	29	0.0
15	747.1		

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 % 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.

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2

MONTH: February, 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-	

FEBRUARY, 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

- February 1 - This reporting period begins with the unit at 100% power.
- February 2 - At 1300 commenced 150MWe/Hr. rampdown due to loss of Boron Injection Tank (BIT) recirculation line heat tracing. At 1307 aborted rampdown and commenced raising power to 100% after repairs to BIT recirculation line heat tracing were completed. Unit attained 100% power at 1311. At 2025, while checking for leakage past MOV-1350 Emergency Borate Line MOV, Tave (average reactor coolant system temperature) decreased rapidly, reduced reactor power to 98%, diluted system by adding 2000 gallons of primary grade (PG) water, and at 2100 commenced power increase to 100% power. Reactor power at 100% at 2130.
- February 8 - At 1339 commenced reducing power due to problems with the high pressure secondary drain system. At 1351 secured power reduction at 96% reactor power. Resolved the problem with the H.P. Drain System and commenced reactor power increase at 1426. Reactor was at 100% power at 1455.
- February 19 - At 1547 commenced reactor shutdown due to results of pipe stress reanalysis on reactor cavity purification system and seal water return piping which revealed an overstressed condition on the piping penetrations would exist in the event of a Design Basis Earthquake. At 2215 the generator was taken off the line and at 2246 the reactor was shutdown.
- February 20 - Commenced RCS cooldown at 0403. RCS at 350°F/450 PSIG at 0855. RCS at cold shutdown at 1257.
- February 21 - Commenced inspection of LP turbine rotors due to above normal vibration experienced immediately prior to unit shutdown.
- February 29 - This reporting period ends with the unit at cold shutdown.

UNIT 2

- February 1 - This reporting period begins with the unit at cold shutdown, all fuel removed from the reactor and steam generator replacement in progress.
- February 25 - At 1937 commenced pressurizing Unit 2 containment to 45 PSIG for Type A test.
- February 26 - Containment pressure reached 45 PSIG at 0547.
- February 28 - At 0353 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.
- February 29 - This reporting period ends with the unit at cold shutdown.

DOCKET NO 50-281
 UNIT ~~XXXX~~ II
 DATE 3-1-80
 COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: FEBRUARY 80

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

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.

3. Reactor operation shall be terminated if RCS to SS leakage which is attributable to two or more steam generator tubes occurs during a 20 day period. NRC approval shall be obtained before resuming reactor operation.
4. The concentration of radioiodine in the reactor coolant shall be limited to 1 $\mu\text{Ci}/\text{gram}$ during normal operation and to 10 $\mu\text{Ci}/\text{gram}$ during power transients as defined in Appendix A-1 to the Technical Specifications of the license. Appendix A-1 was issued with the May 6, 1977 Order and shall remain in effect for six equivalent months from October 25, 1979.

FEBRUARY, 1980

On December 20, 1979 the Nuclear Regulatory Commission issued Amendment No. 54 to the Operating Licenses for Surry Power Station Unit No. 2, which is designated as Technical Specification Change No. 62. The changes are the result of an NRC request to establish a routine Steam Generator Tube Inspection Program and to incorporate the conditions of the license, Appendix A-1 into the Technical Specifications.

Please note that these changes are applicable only to Unit No. 2. Upon replacement of the Unit No. 1 Steam Generators these specifications will be made applicable to both units. Until such time, Unit No. 1 is to follow applicable conditions of its license for Steam Generators inspections and reactor coolant activity limitations. Of significance are the following changes:

1. Revised Specifications incorporating reactor coolant activity limitations similar to Appendix A-1 of the license.
2. New Specifications incorporating a routine Steam Generator inspection program similar to Regulatory Guide 1.83, Revision 1.

On February 4, 1980, the Nuclear Regulatory Commission issued amendment No. 55 which modifies Surry Unit No. 1 Operating License. The amendment results from the NRC Staff's review of the Steam Generator Inspection Program. Of significance, the conditions limit the operation of Surry Unit No. 1 and has the following provisions:

1. Unit No. 1 shall be brought to the cold shutdown condition in order to perform an inspection of the steam generators within six months of equivalent operation from October 25, 1979.

Nuclear Regulatory Commission (NRC) approval shall be obtained before resuming power operation following this inspection.

Equivalent operation is defined as operation with the reactor coolant at or above 350°F.

2. Reactor coolant leakage from the reactor coolant system (RCS) to the secondary system (SS) through the steam generator tubes shall be limited to 0.3 gpm per steam generator, as described in the NRC Safety Evaluation of May 6, 1977. With any steam generator tube leakage greater than this limit the reactor shall be brought to the cold shutdown condition within 24 hours. NRC approval shall be obtained before resuming reactor operation.

NRC APPROVAL

FEBRUARY, 1980

None during this reporting period.

TEST AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL

FEBRUARY, 1980

None during this reporting period.

FEBRUARY, 1980

None during this reporting period.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

FEBRUARY, 1980

- | <u>Design Changes</u> | <u>Unit</u> |
|---|-------------|
| 1. <u>DC-79-S28 - Safety Injection on Low Pressurizer Pressure Only</u> | 1,2 |
| <u>Description</u>
This change converted the automatic safety injection initiated from one of three pair of low pressurizer levels coincident with low pressurizer pressure to a safety injection initiated on two out of three to prevent an RCS underpressure condition from occurring without safety injection. | |
| <u>Summary of Safety Evaluation</u>
While this design change precipitates various Technical Specification changes and impacts upon certain sections of the FSAR, it does not constitute an Unreviewed Safety Question. | |
| 2. <u>DC-79-S58 - Reactor Coolant System Subcooling Monitor System</u> | 2 |
| <u>Description</u>
This change installed two subcooling meters on the main control board to provide indications of reactor coolant margin to saturation conditions. | |
| <u>Summary of Safety Evaluation</u>

This modification in conformance with TMI-2 NUREG-0578 and NRC letter of October 30, 1979 does not create an "unreviewed safety question" as defined in 10CFR50.59. | |
| 3. <u>DC-79-S59 - High Range Effluent Monitors</u> | 1,2 |
| <u>Description</u>
This design change installs additional effluent monitors with higher ranges as directed in the NRC letter of October 30, 1979. These monitors will be located at the following effluent points. <ol style="list-style-type: none">1. Ventilation Vent Stack2. Process Vent3. Main Steam Lines | |
| <u>Summary of Safety Evaluation</u>
This modification will have no effect on the operation of safety related equipment and will provide assurance that necessary monitoring capabilities for anticipated release paths are available during and after an accident. | |

FEBRUARY, 1980

None during this reporting period.

SURRY POWER STATIONCHEMISTRY REPORTFEBRUARY, 19 80T.S.6.6.A.11

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	4.64E-1	1.34E-2	2.35E-1	1.57E-3	1.57E-3	1.57E-3
Suspended Solids, ppm	1.3	0.0	0.1	0.0	0.0	0.0
Gross Tritium, $\mu\text{Ci/ml}$	1.43E-1	1.17E-2	9.42E-2	(*)	(*)	(*)
Iodine-131, $\mu\text{Ci/ml}$	9.82E-3	7.83E-3	8.85E-3	(*)	(*)	(*)
I-131/I-133	0.4840	0.3800	0.4156	(*)	(*)	(*)
Hydrogen, cc/kg	47.97	3.60	28.12 *	(*)	(*)	(*)
Lithium, ppm	1.55 **	0.61	1.02	(*)	(*)	(*)
Boron-10, ppm +	322.03	36.46	122.73	61.94	60.96	61.45
Oxygen-16, ppm	1.500	0.000	0.220	*** SAT.	***SAT.	***SAT.
Chloride, ppm	0.09	0.05	0.05	0.05	0.05	0.05
pH @ 25°C	7.34	4.87	6.42	5.23	5.22	5.22

+ Boron-10 = Total Boron x 0.196

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

Phosphate	<u>5 lbs.</u>	Boron	<u>194</u>
Sulfate	<u>1,128 lbs.</u>	Chromate	<u>0.07</u>
50% NaOH	<u>1,400 lbs.</u>	Chlorine	<u>0</u>

Remarks: ** Added 1500 grams of LiOH to #1 RCS @ 02-11-80 - 1600

* Includes data during degassing of #1 RCS - Unit tripped off line 02-19-80 @ 2215

*** O₂ for #2 RCS considered to be saturated - Local sample

(*) #2 Primary isolated from sample sink for maintenance purposes - Letdown secured.

(1) These levels of chemicals should present no major adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

February, 1980

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

February 2, 1980	*	Exceeded 15°F Δ T Across Station
February 11, 1980	*	Exceeded 15°F Δ T Across Station
February 12, 1980	*	Exceeded 15°F Δ T Across Station
February 13, 1980	*	Exceeded 15°F Δ T Across Station
February 14, 1980	*	Exceeded 17.5°F Δ T Across Station
February 15, 1980	*	Exceeded 17.5°F Δ T Across Station
February 16, 1980		Exceeded 17.5°F Δ T Across Station
February 17, 1980		Exceeded 17.5°F Δ T Across Station
February 18, 1980	*	Exceeded 17.5°F Δ T Across Station

*Indicates dates where station Δ T was $<15.0^{\circ}\text{F}$ across the station for some-time during the day.

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

FUEL HANDLING

FEBRUARY, 1980

Forty-Eight (48) new assemblies for Unit 1, Cycle 6 were received during February, 1980.

UNIT NO. 1
FUEL HANDLING
FEBRUARY, 1980

DATE DATE /RECEIVED	NO OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVEL
02-07-80	12	LM08LK/3.2%	2.5mR/hr.
		LM08LN/3.2%	2.5mR/hr.
		LM08LR/3.2%	2.5mR/hr.
		LM08LW/3.2%	2.5mR/hr.
		LM08MU/3.4%	2.5mR/hr.
		LM08MN/3.4%	2.5mR/hr.
		LM08MV/3.4%	2.5mR/hr.
		LM08MY/3.4%	2.5mR/hr.
		LM08/MX/3.4%	2.5mR/hr.
		LM08NP/3.4%	2.5mR/hr.
		LM08MW/3.4%	2.5mR/hr.
		LM08/MP-3.4%	2.5mR/hr.
02-14-80	12	LM08M3/3.4%	2.5mR/hr.
		LM08MR/3.4%	2.5mR/hr.
		LM08MQ/3.4%	2.5mR/hr.
		LM08MC/3.4%	2.5mR/hr.
		LM08M8/3.4%	2.5mR/hr.
		LM08M9/3.4%	2.5mR/hr.
		LM08MS/3.4%	2.5mR/hr.
		LM08NK/3.4%	2.5mR/hr.
		LM08M7/3.2%	2.5mR/hr.
		LM08LQ/3.2%	2.5mR/hr.
		LM08LJ/3.2%	2.5mR/hr.
		LM08M2/3.2%	2.5mR/hr.
02-21-80	12	LM08NG/3.4%	2.5mR/hr.
		LM08M6/3.4%	2.5mR/hr.
		LM08NQ/3.4%	2.5mR/hr.
		LM08MF/3.4%	2.5mR/hr.

[illegible]

FEBRUARY, 1980

[illegible]

FEBRUARY, 1980

None during this reporting period.

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

FEBRUARY, 1980

PT-38.29 - Service Air and Breathing Air Compressor Sampling was not completed on the scheduled date (12-29-79). This test insures that the quality of air used with self contained breathing apparatus, airline respirators, and air supplied hoods and suits meets grade D specifications required by the Surry Respiratory Protection Manual. The air was tested and results received on 02-26-80, approximately two weeks beyond the 25% grace period permitted by Technical Specifications 4.0.

PRE-SERVICE INSPECTION
FEBRUARY, 1980

The ultrasonic, liquid penetrant and visual inspections required by IE Bulletin 79-17, Rev. 1 (Pipe Cracks in Stagnant Borated Water Systems) is complete on Units 1 and 2. No reportable indications were noted.

Liquid Penetrant Testing was completed on all Pressurizer Safe End Welds, Unit 2, per Westinghouse recommendations. No reportable indications were noted. The Unit 1 Safe End Welds will be inspected in March, 1980, if the unit is available.

The Pre-Service Inspection associated with Unit 2 Steam Generator Replacement Project is complete. No reportable indications were noted.

Eddy Current Inspection of the Main Condenser Tubing, Unit 2, is in progress.

Eddy Current Inspection of Unit 1 Steam Generator Tubing is in progress, based on Westinghouse recommendations.

Magnetic Particle Inspection of the Unit 2 Feedwater Penetration Fillet Welds was completed, per Nuclear Regulatory Commission request. No reportable indications were noted.

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

DEPT=NDT

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UNIT1 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPFRF	I'	MR	TOTDWNM
02/28/80	CH	PIPING		UT+PT WELDS PER IEB 79-17 REVI	COMPLETED INSP. RESULT SAT	1	001250856	677
02/28/80	RH	PIPING		UT+PT WELDS PER IEB 79-17 REVI	INSPECTION COMPLETED RESULTS SAT	1	001250857	209
02/28/80	CS	PIPING		UT+PT WELDS PER IEB 79-17 REVI	INSPECTION COMPLETED RESULT SAT	1	001250858	697
02/28/80	RS	PIPING		UT+PT WELDS PER IEB 79-17 REVI	COMPLETED INSPECTION RESULT SAT	1	001250859	209
02/28/80	FC	PIPING		UT+PT WELDS PER IEB 79-17 REVI	COMPLETED INSP. RESULT SAT	1	001250955	692
02/28/80	SI	PIPING		UT+PT WELD PER IEB 79-17 REVI	COMPLETED INSP. RESULT SAT	1	001250956	209

DEPT TOTAL								2653

UNIT2- 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	I'	MR	TOTIWNMTM
02/14/80	FW	PIPING		NDT PENETRATION WELDS	PERFORMED MT INSPECTIONS-SAT	2	001171346	530
02/19/80	CH	PIPING	6-CH-502	REMOVE ARC STRIKE	REMOVED ARC STRIKE	2	002011409	360
02/21/80	RC	PZR	2-RC-E-2	INSPECT SAFE END WELDS ON NOZZLE	DID IT INSP WITH SAT RESULTS	2	001031525	1155
02/22/80	MI	OTHER		PERFORM PSI	COMPLETED SATISFACTORY	2	908220906	4322
02/28/80	SI	PIPING		IT WELDS PER IEB 79-17 REV 1	COMPLETED INSP. RESULT SAT	2	001041140	209
02/28/80	CH	PIPING		IT WELDS PER IEB 79-17 REV 1	COMPLETED INSP. RESULT SAT	2	001041141	209
02/28/80	RS	PIPING		IT WELDS PER IEB 79-17 REV 1	COMPLETED INSP. RESULT SAT	2	001041142	209
02/28/80	RH	PIPING		IT WELDS PER IEB 79-17 REV 1	COMPLETED INSPECTION RESULT SAT	2	001041145	209
02/28/80	CS	PIPING		IT WELDS PER IEB 79-17 REV 1	COMPLETED INSPECTION RESULT SAT	2	001041146	209

DEFT TOTAL								7412

REPORTABLE OCCURRENCES PERTAINING TO
ANY OUTAGE OR POWER REDUCTIONS

FEBRUARY, 1980

Unit No. 1 outage occurred on 02-19-80, when the Architect Engineer analyzing the piping prescribed in IE Bulletin 79-14 reported on overstressed condition on lines inside containment leading to penetrations. The details of this event are recorded in LER 80-018/01T-0 (050-0280).

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

UNIT 1 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

REFSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	MR	TOTDWNTH
02/19/80	BR	PUMP	1-BR-P-9	INSTALL COVER FOR PUMP	COMPLETED	1	002142241	101
02/19/80	VS	FILTER	1-VS-F-4	REPLACE FILTER	INSTALLED ROLL TYPE FILTER	1	002160818	5
02/20/80	VS	FILTER	1-VS-AC-1	CHANGE FILTER	REPLACED FILTERS	1	002111249	5
02/20/80	DG	VALVE	1-DG-9	REPLACE BLOWN DIAPHRAGM	CHANGED BONNET+DIAPHRAM	1	002161000	3
02/21/80	VS	FAN/BLWR	1-VS-F-8B	CHECK BELTS	REPLACED BELTS	1	002062350	241
02/21/80	IA	PIPING	1-ES-107	REPAIR AIR LINE	REPAIRED AIR LINE	1	002191130	4
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141446	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141447	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141448	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141449	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141451	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141452	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141453	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141454	126
02/22/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141456	126
02/22/80	SS	VALVE	TV-SS-201B	VALVE WILL NOT STAY CLOSED	TESTED SAT	1	002171000	120
02/22/80	RC	INSTR		INSTALL RCS LEVEL HOSE	RETURNED RX COOLANT SYS LEV HOSE TO	1	002211900	6
02/22/80	RC	PIPING		REMOVE BLANK FLANGE	INSTALL SPOOL PIECES	1	022220100	4
02/23/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141457	151
02/23/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141458	151
02/23/80	CH	PIPING	3-CH	DC 79-S32C INSTALL CONSTRAINT	COMPLETED	1	002141459	151
02/23/80	RH	VALVE	FCV-1605	ACTUATOR BOLTS ARE MISSING	WORKED PERFORMED BY QUALIFIED TECH	1	002211450	30
02/25/80	MS	VALVE	1-MS-83	BODY TO BONNET LEAK	RESUBMITTED MR TO RESEAT VLV	1	001120752	24
02/25/80	MS	PIPING		ELBOW LEAKING	REPAIRED LEAK AT ELBOW	1	002091500	65
02/26/80	CH	PIPING	3-DCH-99	DC 79-S32C INSTALL CONSTRAINT	INSTALL STRAP CONTRAINT	1	002181337	5
02/26/80	RL	PIPING	3-RL-6	DC 79-S32C INSTALL STRAP CONSTRAINT	INSTALL STRAP CONSTRAINT	1	002181343	5
02/26/80	RL	PIPING	3-RL-6	DC 79-S32C INSTALL STRAP CONSTRAINT	INSTALL STRAP CONSTRAINT	1	002181344	5
02/26/80	RL	PIPING	3-RL-6	DC 79-S32C INSTALL STRAP CONSTRAINT	INSTALL CONSTRAINT STRAP	1	002181345	5
02/26/80	RL	PIPING	3-RL-6	DC 79-S32C INSTALL STRAP CONSTRAINT	INSTALL CONSTRAINT STRAP	1	002181352	5
02/27/80	RM	MONITOR	RM-109/110	LOW FLOW THROUGH DETECTOR	ADJUSTED INDICATOR ZERO	1	002260730	29
02/27/80	RS	PIPING	MOV-RS-155A	INSTALL BLANK FLANGE FOR PT 16.4	REMOVED BLANKS	1	901161530	55
02/27/80	MS	VALVE	HCV-MS-104	VALVE HAS FLANGE LEAK	FIXED FLANGE LEAK RESEATED VALE	1	911271330	45

DEPT TOTAL

2349

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance

UNIT2- 3/04/80

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

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKTFRF	P	MR	TOTDWNTH
02/01/80	GW	PIPING		DRILL HOLE IN PIPE	COMPLETED	2	001211525	196
02/01/80	GW	PIPING		DRILE HOLE IN PIPE	COMPLETED	2	001211526	196
02/04/80	VG	VALVE	TV-VG-209A	LEAKS THRU	REPAIRED	2	912271534	432
02/04/80	VG	VALVE	TV-VG-209B	LEAKS THRU	REPAIRED	2	912271536	432
02/05/80	BS	PUMP	1-VS-AC-1	HANDLE ON EMERGENCY DOOR PUMP	REPLACED HANDLE	2	809202200	24
02/06/80	CH	VALVE	2-CH-42	REPLACE DIAPHRAGM	REPLACED DIAPHRAGM AND ORINGS	2	902161111	48
02/06/80	CH	VALVE	2-CH-44	REPLACE DIAPHRAGM	REPLACED DIAPHRAGM+ORINGS	2	902161113	48
02/06/80	SI	VALVE	TV-SI-201A	LEAKS THRU SLIGHTLY ON PT 16.4	REPAIRED VALVE	2	905311509	5232
02/06/80	IA	VALVE	2-IA-86B	LEAKS THRU	REPAIRED	2	912271531	456
02/07/80	VS	FAN/BLWR	2-VS-F-1C	ADJUST BLADE PITCH	ADJUSTED BLADE PITCH	2	002061329	35
02/08/80	VS	FAN/BLWR	2-VS-F-1A	ADJUST BLADE PITCH	REPLACED BLADES AND ADJUSTED PITCH	2	002061328	48
02/09/80	SI	VALVE	LCV-SI-2115D	VALVE BONNET LEAKING	TIGHTENED BONNET BOLTS	2	912051410	238
02/11/80	SI	MOV	MOV-SI-2869B	REPLACE VALVE	INSTALLED BONNET WITH NEW GASKET	2	903062315	2280
02/13/80	CH	VALVE	HCV-CH-2200A	INSTALL NEW SOLENOID ON VALVE	REPLACED VALVE	2	002081401	48
02/14/80	VS	FILTER	2-VS-F-1A	REPLACE FILTER	INSTALLED FILTER MATERIAL	2	002130805	24
02/14/80	SI	MOV	MOV-SI-2860B	LEAKS THRU SEAT	REPAIRED	2	907021122	2640
02/14/80	SI	MOV	MOV-SI-2867D	BODY TO BONNET LEAK	RENEWED BODY TO BONNET GASKET	2	912050750	140
02/15/80	CS	PIPING	2-CS-13	INSTALL FLANGES FOR PT 16.4	INSTALLED BLANK FLANGE	2	901151501	8520
02/15/80	RS	PIPING	2-RS-11	INSTALL BLANK FLANGES FOR PT 16.4	INSTALLED BLANK FLANGE	2	901151503	8496
02/15/80	SI	PIPING		INSTALL BLANK FLANGES FOR PT 16.4	REMOVED FLANGE	2	901161533	8520
02/15/80	CH	PIPING	2-CH-375	INSTALL TEST FLANGE AND REMOVE	REMOVED FLANGES	2	912180927	144
02/17/80	CC	VALVE	2-CC-242	EXCESSIVE LEAKAGE ON PT 16.3B	REPAIRED	2	001171302	312
02/17/80	CC	VALVE	TV-CC-210A	EXCESSIVE LEAKAGE ON PT 16.3B	REPAIRED	2	001171303	114
02/17/80	DA	VALVE	TV-DA-200A	REPAIR FOR PT 16.4	REPAIRED	2	002150920	48
02/18/80	CC	VALVE	TV-CC-205B	EXCESSIVE LEAKAGE ON PT 16.3B	COMPLETED	2	001171301	336
02/18/80	SI	VALVE	2-SI-225	BLOCK CHECK VALVE CLOSED	COMPLETED	2	002011532	144
02/18/80	RH	MOV	MOV-RH-200	BODY TO BONNET LEAK	COMPLETED	2	002061352	264
02/18/80	CV	VALVE	TV-CV-250D	LEAKAGE ON PT 16.4	REPAIRED	2	912261115	168
02/19/80	CC	VALVE	2-CC-56	EXCESSIVE LEAKAGE ON PT 16.3B	COMPLETED	2	001171300	360
02/19/80	CC	VALVE	TV-CC-205C	EXCESSIVE LEAKAGE ON PT 16.3B	COMPLETED	2	001171304	360
02/19/80	CC	VALVE	2-CC-59	EXCESSIVE LEAKAGE ON PT 16.3B	COMPLETED	2	001171306	360
02/19/80	CS	PIPING	2-CS-24	INSTALL BLANK FLANGES FOR PT 16.4	INSTALLED BLANK FLANGE	2	901151500	1104
02/19/80	CV	VALVE	TV-CV-250A	EXCESSIVE LEAKAGE ON PT 16.4	REPAIRED	2	912170810	960
02/20/80	RS	HX	2-RS-HX-1D	TUBE LEAKS	TESTED + NO LEAKS	2	903141428	8109
02/21/80	RS	PIPING	2-RS-E-1D	BLANK K FLANGE	BLANK FLANGE 2-RS-E1D FOR MOT 7.16	2	901161540	8592
02/21/80	RS	HX	2-RS-E-1D	REMOVE SERVICE WATER ELBOWS ON HX	REINSTALLED ELBOW	2	902271021	8590
02/22/80	VS	VALVE	MOV-VS-202	REPLACE SEAT RING FOR PT 16.4	INSTALLED SEAT RING	2	002191515	71
02/22/80	SI	VALVE	TV-SI-201B	LEAKED EXCESSIVELY ON PT 16.4	REPAIRED	2	905311350	6124
02/22/80	CV	VALVE	TV-CV-250B	EXCESSIVE LEAKAGE ON PT 16.4	REPAIRED	2	912170811	1047
02/23/80	VS	PIPING		INSTAL TEST FLANGE FOR PT 16.4	TEST FLANGE INSTALLED	2	901151504	292
02/24/80	IA	VALVE	2-IA-704	LEAKS THRU REPAIR FOR PT 16.4	REPLACED VLV	2	002091700	293
02/24/80	IA	VALVE	2-IA-864	CHECK VALVE LEAKS THRU	REPAIRED VLV	2	002100915	286
02/25/80	BS	OTHER		REMOVE+STORE 18 INCH MANWAY LID	REMOVED+STORED 18 INCH MANWAY LID	2	002200920	93
02/25/80	RS	PUMP	2-RS-P-2B	LOOSEN SEISMOGRAPHIC RESTRAINTS	WORK COMPLETED	2	002220800	77
02/25/80	RS	PUMP	2-RS-P-2A	LOOSEN SEISMOGRAPHIC RESTRAINTS	COMPLETED LOOSENING RESTRAINTS	2	002220801	77
02/25/80	SI	PMP	2-SI-P-2B	LOOSEN SEISMOGRAPHIC RESTRAINTS	WORK COMPLETED	2	002220802	77
02/25/80	SI	PUMP	2-SI-P-1A	LOOSEN SEISMOGRAPHIC RESTRAINTS	WORK COMPLETED	2	002220803	77

DEPT=MECH

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UNIT2= 3/04/80

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

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKTFR		MR	TOTDWN	TM
02/26/80	RS	HX	2-RS-E-1A	BLANKOFF RS SIDE FOR LEAK CHECK	REMOVED BLANKS NO LEAKS HX	2	001280902	678	
02/26/80	IA	VALVE	2-IA-704	VALVE DAMAGE	LAPPED GATE REPLACED VALVES	2	002221250	95	
02/26/80	BS	OTHER		EQUIP HATCH TEST	TAPPED THREADS	2	002231313	27	
02/27/80	CH	VALVE	1-CH-117	VALVE DIAPHRAGM RUPTURED	REPLACED BONNET	2	002202240	153	

DEPT TOTAL

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

DEPT=ELEC

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UNIT1- 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPFRF	U	MR	TOTDWNTH
02/19/80	FW	MOV	MOV-FW-151E	DISCONNECT AND RECONNECT POWER	MOV REPLACED ON UNIT 1	1	001061825	1046
02/26/80	DA	INSTR	LS-DA-118A	ALARM IN SUMP ENTRY	TESTED SAT	1	002182045	89
02/27/80	CH	HT		CHECK AMPS	CHECK CIRCUITS CAUSING ALARMS ALL OK	1	002211600	49
02/27/80	RC	OTHER	1-RC-P-1C	SHAFT VIBRATION READING 2 MILS LOW	BENTLEY NEVADA PICKUPS ADJUSTED	1	901012222	355
								777777
DEPT TOTAL								1539

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Electrical Maintenance

UNIT2- 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	"	MR	TOTDWNMT
02/03/80	SI	INSTR	D/C 79-28	REWIRE PER SI ACTUATION TO SEGDS LOG	CHANGE COMPLETE	2	908290844	1326
02/03/80	IA	COMPRESS	2-IA-C-2B	REMOVE MOTOR PULLEY	INSTALLED NEW PULLEY	2	910262205	953
02/06/80	EPDC	BATT	2-ED-BATT	PERFORM EMP-P-EPDC-29	CLEANED BATTERIES	2	002030830	79
02/11/80	CH	HT		BAD HEAT TRACING	CIRCUIT RETURNED TO SERVICE	2	002081245	48
02/11/80	CH	HT		BAD HEAT TRACING	CIRCUIT RETURNED TO SERVICE	2	002081246	48
02/13/80	PE	OTHER	B-17	PENETRATION LEAKING	TESTING AND SEALING PENETRATION	2	001241101	192
02/13/80	PE	OTHER	A-17	UNACCEPTABLE LEAKAGE (PT 16.2)	TESTING AND SEALING PENETRATION	2	001261500	309
02/13/80	PE	OTHER	A2	ELECTRICAL PENETRATION A-2 LEAK	TESTING AND SEALING PENETRATION	2	001310730	309
02/14/80	SI	MOV	MOV-SI-2869B	MOV PMS	COMPLETED AS PER EMP-P-MOV-45	2	901251515	2155
02/14/80	SI	MOV	MOV-SI-2869B	DISCONNECT+RECONNECT FOR MECHANICS	RETURNED TO SERVICE	2	903051905	8295
02/14/80	CH	INSTR	HCV-CH-2200A	INSTALL NEW STYLE SOLENOIDS	VALVE TESTED SAT	2	904050835	509
02/14/80	VS	FAN	2-VS-F-1C	CHECK FAN FOR VIBRATION	TESTED SAT	2	911020055	2279
02/14/80	EPDC	BATT	2B1	ONE LIGHT DIM ON GROUND	PROBLEM CLEARED	2	912131200	863
02/15/80	NS	MOV	MOV-NS-200A	MOV PMS	COMPLETED AS PER EMP-P-MOV-45	2	901251412	18
02/15/80	NS	MOV	MOV-NS-200B	MOV PMS	COMPLETED AS PER EMP-MOV-45	2	901251413	18
02/18/80	PE	OTHER	A-18	PENETRATION LEAKING	TESTING AND SEALING PENETRATION	2	001241100	312
02/19/80	SI	HT	CKT-2A-4A	REPLACE BAD HEAT TRACING TAPE	REPLACED ENTIRE CIRCUIT	2	907190930	4776
02/22/80	RS	MOV	MOV-RS-255B	MOV PMS	COMPLETED AS PER EMP-P-MOV-45	2	901251541	4247
02/22/80	RS	MOV	MOV-RS-255B	ELECTRICALLY DISCONNECT MOV	COMPLETED AS PER EMP-C-MOV-11	2	904201206	7312
02/22/80	RS	MOV	MOV-RS-255A	ELECTRICALLY DISCONNECT MOV	COMPLETED AS PER EMP-C-MOV-11	2	904201207	7312
02/26/80	FH	OTHER		INSTALL POWER SUPPLY CARD	COMPLETE	2	002141425	170
02/26/80	RS	MOV	MOV-RS-255A	MOV PMS	COMPLETED AS PER EMP-P-MOV-45	2	901251540	520

DEPT TOTAL

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Instrument Maintenance

DEPT=INST

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UNIT1- 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPFR	Q	MR	TOTDWNTH
02/19/80	CH	INSTR	T1-1-140	TEMP INDICATOR SCALES HIGH	REPAIRED LEAK	1	001140645	99
02/19/80	CH	INSTR	T-1140	RTD BELIEVED TO BE BAD	REPAIRED LEAK	1	001140838	99
02/20/80	CC	INSTR	LC-CC-101	VALVE DOES NOT RESPOND	REPLACED FLAPPER-ADJUSTED CONT	1	002191800	3
02/25/80	RH	INSTR	FCV-160S	VLV DOES NOT RESPOND TO SIGNAL	BLEWDOWN REGULATORS	1	002201200	97
02/26/80	RM	MONITOR	RM-VG-109	CHECK ALARM	ADJUSTED FLOW RATE	1	002250745	22
02/26/80	RM	MONITOR	RM-GW-101	CHECK ALARM	CHECKED VALVE LINE UP AND FLOW	1	002250748	22
02/27/80	RM	MONITOR	RMS-163	REPAIR AS NECESSARY	VOID DONE ON MR 1002011000	1	001281605	0
02/27/80	CH	VALVE	FCV-CH-1160	FCV 1160 LEAKS BY	ADJUSTED E/P VALVE CHECKED SAT	1	002150630	31
02/27/80	SI	INSTR	F1-1-963	DID NOT INDICATE FLOW	ADJUSTED ZERO TRANSMITTER SAT	1	912200900	126
02/27/80	SI	INSTR	F1-1-962	DID NOT INDICATE FLOW	ZERO SHIFT CHECKED SAT AFTER ADJUST	1	912200901	121
02/27/80	SI	INSTR	F1-1-961	DID NOT INDICATE FLOW	CHECKED SAT NO ADJUSTMENT REQUIRED	1	912200902	121

DEPT TOTAL								741

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Instrument Maintenance

DETT=INST

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UNIT2- 3/04/80
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDI	SYS	COMP	MARKNO	SUMMARY	WKFERR	H	MR	TOTDWNMT
02/01/80	RM	INSTR	RR=200	BROKE	CONTACT ARM DISCONNECTED+RECONNECTED	2	001310646	24
02/13/80	RC	VALVE	HCV-RC=2549	CHECK STROKE TRAVEL FOR PT 16.4	CHECKED VALVE MR TO MECHANICS	2	002120900	7
02/15/80	CC	INSTR	FI=CC=204B	FLOW INSTR INOP	REPLACED TRANSMITTER	2	002031535	9
02/26/80	RC	INSTR	LT=2=477	DOES NOT TRACK LEVEL	TIGHTENED LOOSE FITTINGS FILLED REF	2	002241601	24
02/26/80	RC	INSR	LT=2=487	DOES NOT TRACK LEVEL	TIGHTENED LOOSE FITTING FILLED REF	2	002241602	24
02/26/80	RC	INSR	LT=2=497	DOES NOT TRACK LEVEL	TIGHTENED LOOSE FITTING FILLED REF	2	002241603	24
DETT TOTAL								112

FEBRUARY, 1980

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

There was one individual who received a single radiation exposure specifically associated with the Unit No. 2 outage, which accounted for more than 10% of the allowable annual values in 10CFR20.101.

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

FEBRUARY, 1980

<u>NUMBER</u>	<u>UNIT</u>	<u>TITLE</u>	<u>DEVIATIONS</u>
MOP-7.13	2	Leak Test of 2-RS-E-1A	Steps 3.1, 4.5.5 and 4.6 - Change 45 psig to 40 psig.

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

PT-16.2	2	Containment Penetration Local Leakage	Steps 5.3 and 5.4 - Change pressure to 45 psig. Step 6.1- Change allowable leak rate. Appendix B - 2b electrical penetrations not tested due to lack of internal "O" rings. Fuel Building Penetration - Indicate "body" leakage rather than "weld" leakage.
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This procedure was deviated January 28, 1980 and reviewed by the Station Nuclear Safety and Operating Committee February 28, 1980.