

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 80-11

NOVEMBER, 1980

APPROVED:

  
\_\_\_\_\_  
MANAGER

8012190535

CONTENTS

<u>Section</u>	<u>Page</u>
Operating Data Report - Unit #1	1
Operating Data Report - Unit #2	2
Unit Shutdowns and Power Reductions - Unit #1	3
Unit Shutdowns and Power Reductions - Unit #2	4
Load Reductions Due to Environmental Restrictions - Unit #1	5
Load Reductions Due to Environmental Restrictions - Unit #2	6
Average Daily Unit Power Level - Unit #1	7
Average Daily Unit Power Level - Unit #2	8
Summary of Operating Experience	9
Amendments to Facility License or Technical Specifications	10
Facility Changes Requiring NRC Approval	11
Facility Changes That Did Not Require NRC Approval	11
Tests and Experiments Requiring NRC Approval	12
Tests and Experiments That Did Not Require NRC Approval	12
Other Changes, Tests and Experiments	13
Chemistry Report	14
Description of All Instances Where Thermal Discharge Limits Were Exceeded	15
Fuel Handling	16
Procedure Revisions That Changed the Operating Mode Described In The FSAR	18
Description of Periodic Tests Which Were Not Completed Within The Time Limits Specified In Technical Specifications	19
Inservice Inspection	20
Reportable Occurrences Pertaining to Any Outage or Power Reductions	22
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Mechanical Maintenance	23
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Mechanical Maintenance	29

<u>Section</u>	<u>Page</u>
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Electrical Maintenance	31
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Electrical Maintenance	33
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Instrument Maintenance	35
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Instrument Maintenance	37
Health Physics Summary	39
Procedure Deviations reviewed by Station Nuclear Safety and Operating Committee after Time Limits Specified in T.S.	40

OPERATING DATA REPORT

DOCKET NO. 50-280  
DATE 12-4-80  
COMPLETED BY SUE D. DUNN  
TELEPHONE (804)-357-3184

OPERATING STATUS

- 1. Unit Name: Surry Unit #1
- 2. Reporting Period: 11-01-80 - 11-30-80
- 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): 740
- 7. Maximum Dependable Capacity (Net MWe): 704
- 8. If Changes Occur in Capacity Ratings (Items Number 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	8040.0	69624.0
12. Number Of Hours Reactor Was Critical	0	0	0
13. Reactor Reserve Shutdown Hours	0	182.6	3731.5
14. Hours Generator On-Line	0	3763.8	41668.8
15. Unit Reserve Shutdown Hours	0	183.6	3736.2
16. Gross Thermal Energy Generated (MWH)	0	8674529.0	96389401.0
17. Gross Electrical Energy Generated (MWH)	0	2621245.0	31301743.0
18. Net Electrical Energy Generated (MWH)	0.0%	2473025.0	29699924.0
19. Unit Service Factor	0.0%	46.8%	59.8%
20. Unit Availability Factor	0.0%	49.1%	65.2%
21. Unit Capacity Factor (Using MDC Net)	0.0%	43.7%	60.6%
22. Unit Capacity Factor (Using DER Net)	0.0%	37.4%	51.9%
23. Unit Forced Outage Rate	0.0%	39.1%	26.4%

- 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
N/A

- 25. If Shut Down At End Of Report Period, Estimated Date of Startup: September 1, 1981
- 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 12-04-80  
 COMPLETED BY SUE D. DUNN  
 TELEPHONE (804)-357-3184

OPERATING STATUS

1. Unit Name: Surry Unit #2
2. Reporting Period: 11-01-80 - 11-30-80
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 Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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	<u>720.0</u>	<u>8040.0</u>	<u>66504.0</u>
12. Number Of Hours Reactor Was Critical	<u>711.4</u>	<u>2540.1</u>	<u>37040.0</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>705.7</u>	<u>2396.4</u>	<u>36392.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1709184.0</u>	<u>5442903.0</u>	<u>84636986.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>563920.0</u>	<u>1773040.0</u>	<u>27641884.0</u>
18. Net Electrical Energy Generated (MWH)	<u>535292.0</u>	<u>1675180.0</u>	<u>26211785.0</u>
19. Unit Service Factor	<u>98.0%</u>	<u>29.8%</u>	<u>54.7%</u>
20. Unit Availability Factor	<u>98.0%</u>	<u>29.8%</u>	<u>54.7%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>95.9%</u>	<u>26.9%</u>	<u>50.9%</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.4%</u>	<u>25.3%</u>	<u>47.9%</u>
23. Unit Forced Outage Rate	<u>2.0%</u>	<u>4.0%</u>	<u>20.1%</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Snubber Inspection

March 1981 - 4 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-281  
 UNIT NAME Surry Unit 1  
 DATE \_\_\_\_\_  
 COMPLETED BY SUE D. DUNN  
 TELEPHONE (804)-357-3184

REPORT MONTH NOVEMBER, 1980

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-15	11-01-80	S	720.0	A	1				Continuation of shutdown for steam generator replacement outage which commenced 09-14-80.

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

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

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

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

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-281  
 UNIT NAME UNIT 2  
 DATE \_\_\_\_\_  
 COMPLETED BY SUE D. DUNN  
 TELEPHONE (804)-357-3184

REPORT MONTH NOVEMBER, 1980

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-19	11-01-80	F	14.3	H	3	80-035			<p>Construction worker grounded one phase of 'C' Reserve Station Service Transformer while chipping cement in Turbine Building Basement. Unit tripped on 'C' S/G H1 water level. Replaced damaged cable.</p>

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

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

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

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

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

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1

MONTH: NOVEMBER, 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						





DOCKET NO 50-280  
UNIT SURRY I  
DATE 12-1-80  
COMPLETED BY SUE-D. DUNN

AVERAGE DAILY UNIT POWER LEVEL

MONTH: NOVEMBER 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	30	0.0

**DAILY UNIT POWER LEVEL FORM INSTRUCTIONS**

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

DOCKET NO 50-281  
UNIT SURRY II  
DATE 12-1-80  
COMPLETED BY SUE D. DUNN

AVERAGE DAILY UNIT POWER LEVEL

MONTH: NOVEMBER 80

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	530.9	16	767.3
2	354.2	17	767.5
3	755.7	18	765.1
4	759.3	19	763.5
5	760.7	20	763.3
6	763.6	21	765.6
7	766.4	22	762.9
8	766.7	23	765.8
9	767.7	24	764.0
10	766.8	25	765.4
11	768.2	26	765.3
12	766.3	27	763.7
13	766.4	28	764.3
14	767.6	29	765.3
15	767.7	30	766.9

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.

MARY OF OPERATING EXPERIENCE

NOVEMBER, 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

- November 1 This reporting period begins with the Unit at cold shutdown for steam generator replacement and major design changes.
- November 20 "A" Lower Shell moved to Mausoleum.
- November 22 "B" Lower Shell moved to Mausoleum.
- November 24 "C" Lower Shell moved to Mausoleum.
- November 30 This reporting period ends with the Unit at cold shutdown for steam generator replacement and major design changes.

UNIT 2

- November 1 This reporting period begins with the unit at 100% power. At 1645 a construction worker using a "jackhammer" cut into a lead from "C" RSS feeding the "F" TRANSFER BUS. The supply breakers for the "F" transfer bus opened causing a loss of power to the No. 1 H bus and No. 2 J bus. The loss of power to the No. 1 H bus caused the No. 1 EDG to come on the line supplying this bus. The loss of power to the 2J bus caused the No. 3 EDG to come on the line. During the transfer of power supplies for 2J from the F transfer bus to No. 3 EDG the II- IV VB suffered a momentary loss of power initiating a runback to 70% turbine power on a spurious dropped rod signal on N-44 and causing the "C" MF reg valve to shift to manual. The turbine tripped on High Level in "C" S/G causing a Reactor Trip. Power was restored to the "F" transfer bus via backfeed from Unit 1 S/S transformer C and the EDG'S were secured after 1H and 2J were paralleled and powered from the F transfer bus.
- November 2 The reactor was taken critical at 0126 and the generator was placed on the line at 0703. Power was increased to 50% and stabilized at 0830 for repairs to a pin hole leak in the "B" Main Feed Pump (MFP) recirculation line. At 1435 after repairs to "B" MFP were complete a power escalation commenced and the unit reached 100% power at 1900.
- November 5 At 1540, while returning the "C" Boric Acid Transfer Pump (BATP) to service, a PG (primary grade water) valve to the pump suction was inadvertently opened allowing PG flow into the "C" Boric Acid Storage Tank which was in service. The inservice BAST was shifted to the "B" tank at 1615. Samples were drawn on the "B" BAST and No. 2 BIT and analyzed. The chemist reported the boric acid concentration ( $C_B$ ) was 11.2% at 1949 and a unit shutdown commenced immediately. Concentrated boric acid to the "B" BAST and at 2047 the  $C_B$  was verified within specifications and the S/D stopped and power escalation began. The unit reached 100% power at 2115.
- November 30 This reporting period ends with the unit at 100% power.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

NOVEMBER, 1980

The Nuclear Regulatory Commission issued, on May 23, 1980, a Memorandum and Order which requires that all safety-related electrical equipment in operating reactors be fully environmental qualified by June 30, 1982. To meet this objective, the Nuclear Regulatory Commission issued an Order on August 29, 1980 requiring the submittal of all information to support a safety evaluation of safety-related electrical equipment by November 1, 1980.

The Nuclear Regulatory Commission issued, on October 24, 1980, an Order for Surry Power Station Units No. 1 and No. 2 requiring the establishment and maintenance of records for Environmental Qualification in accordance with the provisions of the Order. The requirements of the Order have been incorporated in the Administrative Controls section of the Appendix A Technical Specifications.

FACILITY CHANGES REQUIRING  
NRC APPROVAL

UNIT

DC 78-35 Part Length Control Rod Removal

• 1,2

This design change removed the part length control rods from the core and inserted thimble plugs where the rods have been removed. An anti-rotation device was installed to keep the lead screw in the raised position.

SUMMARY of SAFETY EVALUATION

Since no credit has been given to the part length control rods in the FSAR safety analysis, no safety margin previously analyzed has been reduced.

FACILITY CHANGES THAT  
DID NOT REQUIRE NRC APPROVAL

DC 80-3A Installation of Flashing Lights in EDG  
and Charging Pump Rooms Activated by  
Station Alarms

1,2

This design change provides the capability of activating flashing emergency lights in the aforementioned spaces when the evacuation, fire, or first aid team alarms are annunciated.

SUMMARY of SAFETY EVALUATION

This improvement to the station communications system is designed to supplement the present audibility and visibility of alarms and evacuation announcements and has no impact on the safe reliable operation of the presently installed plant communication system.

TESTS AND EXPERIMENTS REQUIRING  
NRC APPROVAL

NOVEMBER, 1980

None during this reporting period.

TEST AND EXPERIMENTS THAT  
DID NOT REQUIRE NRC APPROVAL

None during this reporting period.

OT CHANGES, TESTS AND EXPERIMENTS

NOVEMBER, 1980

None during this reporting period.



CHEMISTRY REPORT

NOVEMBER , 19 80

T.S. 6.6.3.d

PRIMARY COOLANT ANALYSIS	UNIT NO. 1 (C)			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$				5.35E-1	1.29E-1	2.39E-1
Suspended Solids, ppm				0.1	0.1	0.1
Gross Tritium, $\mu\text{Ci/ml}$				1.74E-1	1.07E-1	1.42E-1
Iodine-131, $\mu\text{Ci/ml}$				2.94E-1	2.62E-3	4.15E-2
I-131/I-133				2.0521	0.9352	1.2491
Hydrogen, cc/kg				57.9 (B)	37.8	44.5
Lithium, ppm				2.10	1.20	1.69
Boron-10, ppm +				189	152	164
Oxygen-16, ppm				0.000	0.000	0.000
Chloride, ppm				0.10	0.05	0.05
pH @ 25°C				6.74	5.74	6.62

+ Boron-10 = Total Boron x 0.196

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

Phosphate	<u>117 (A)</u>	Boron	<u>4.42</u>
Sulfate	<u>- 0 -</u>	Chromate	<u>.35</u>
50% NaOH	<u>12 (A)</u>	Chlorine	<u>-0-</u>

Remarks: (C) NOTE: Unit #1 primary system drained in October for SGRP repairs.

(A) Phosphate, 50% NaOH, and 5 lbs. of a wetting agent were used to flush "A" package boiler.

(B) This high hydrogen concentration was due to an intentional increase in VCT pressure

by Operations Department. NOTE: Unit #2 had one trip on November 1, 1980 at 1640

hrs. unit returned to criticality at 0135 hrs., November 2, 1980. These levels of chemicals should present no major adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE  
THERMAL DISCHARGE LIMITS WERE EXCEEDED

NOVEMBER, 1980

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

November 3, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 5, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 22, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 23, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 24, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 25, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station
November 30, 1980	*	Exceeded 15 <sup>o</sup> F ΔT across station

\*Indicates dates where station ΔT was less than 15.0<sup>o</sup>F across the station for sometime during the day.

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

On November 1, 1980 the temperature change at the station discharge exceeded 3<sup>o</sup>F per hour due to a Unit 2 trip. On November 2, 1980 the temperature change at the station discharge exceeded 3<sup>o</sup>F per hour while a power increase was in progress following a plant startup on Unit 2. These events were allowable in accordance with T.S.-4.14.

FUEL HANDLING

UNIT 1

NOVEMBER, 1980

None during this reporting period.

FUEL HANDLING  
UNIT 2  
NOVEMBER, 1980

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE  
OPERATING MODE DESCRIBED IN THE FSAR

NOVEMBER, 1980

None during this reporting period.

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

NOVEMBER, 1980

PT 24.4I Fire Protection Systems (Warehouse), a monthly P.T., was not performed in July, August, or September of 1980. This Periodic Test was inadvertently overlooked by the personnel involved. The October test verified that the system was operating properly.

INSERVICE INSPECTION

NOVEMBER, 1980

Unit #1 Inservice Inspection Program is still in progress.

Unit #1 turbine inspection is still in progress. Commenced an eddy current baseline inspection on the new replacement steam generators prior to installation in the containment. Completed a review of all the radiographic film taken on the main steam piping off of all three Unit 1 & 2 steam generators from the steam generator to the main return valves in the safeguard area. Conducted a partial eddy current inspection on 1-RS-E-1A heat exchanger and inspected the seal diaphragm welds.

DEPT=NDT

2 DEC 80 \* 10:40 AM PAGE 8

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTWNTM
11/05/80	FW	PIPING		PERFORM UT/RT INSPECTION	PERFORMED VT/RT INSPECTION RESULTS	1	909181507	863



REPORTABLE OCCURRENCES PERTAINING TO  
ANY OUTAGE OR POWER REDUCTIONS

NOVEMBER, 1980

None during this reporting period.

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWTM
11/01/80	GW	FAN/BLWR	1-GW-F-1B	NO FLOW FROM BLOWER	FREED VALVE	1	009220200	690
11/01/80	SI	VALVE	MOV-1869A	REPLACE BOLTS	REPLACED BOLTS	1	010011362	124
11/01/80	IA	VALVE	1-1A-21	PACKING LEAKS	TIGHTENED PACKING	1	010202333	1
11/01/80	IA	VALVE	1-1A-20	PACKING LEAKS	TIGHTENED PACKING	1	010202334	1
11/01/80	CH	VALVE	1-CH-70	REPLACE BOLTING	REPLACED BOLTING	1	010231556	288
11/01/80	CH	VALVE	1-CH-113	REPLACE BOLTING	REPLACED BOLTING	1	010231623	10
11/01/80	CH	VALVE	1-CH-118	REPLACE BOLTING	REPLACED BOLTING	1	010231626	18
11/01/80	CH	VALVE	1-CH-125	REPLACE BOLTING	REPLACED BOLTING	1	010231627	18
11/01/80	CH	VALVE	1-CH-210	REPLACE BOLTING	REPLACED BOLTING	1	010231642	16
11/01/80	CH	VALVE	1-CH-391	REPLACE BOLTING	REPLACED BOLTING	1	010231643	16
11/02/80	CC	PIPING	3-CC-151	D/C 79-S32C INSTALL SUPPORT MOD.	WORK COMPLETED AS DESIRED	1	005161504	931
11/02/80	FW	PIPING	6-WAPD-50	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	005281301	667
11/02/80	CH	PIPING	4-CH-194	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALL SUPPORT AS PER SKETCH	1	006111249	575
11/02/80	CC	PIPING	3-CC-74	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	007071602	572
11/02/80	CH	PIPING	3-RW-3	D/C 79-S32C TIGHTEN M-BOLT	COMPLETED	1	009221501	360
11/02/80	SI	PIPING	8-SI-170	D/C 79-S32A INSTALL SPRING HGR	INSTALL SPRING AS PER SKETCH	1	010011418	575
11/02/80	SW	INSTR	E-SW-106A	TRANSMIT BRACK NOT RIGID	INSTALLED BRACKET	1	010151313	302
11/03/80	SI	VALVE	1-SI-212	HANDWHEEL BROKEN OFF STEM	REPLACED HANDWHEEL	1	010071530	499
11/03/80	SI	PIPING	H-2	PREP HANGER	COMPLETED AS ABOVE	1	010240638	235
11/03/80	CS	TANK	1-CS-TK-2	LAG AS REQUIRED	CHECK + INSULATED WHERE NEEDED	1	010290503	94
11/03/80	CS	PUMP	1-CS-P-3	INSTALL COVER	REPLACED COVER + CHECK ALL	1	010290505	94
11/04/80	CC	VALVE	1-CC-403	NEEDS NEW HANDWHEEL	FABRICATED AND INSTALLED HANDWHEEL	1	010152102	25
11/04/80	CH	VALVE	1-CH-88	REPLACE BOLTING	REPLACED STUDS AND NUTS AND VALVES	1	010231605	112
11/04/80	CH	VALVE	1-CH-93	REPLACE BOLTING	REPLACED STUDS ON NUTS ON VALVES	1	010231608	94
11/04/80	CH	VALVE	1-CH-114	REPLACE BOLTING	REPLACED STUDS AND NUTS ON VALVES	1	010231624	112
11/05/80	CH	VALVE	1-CH-94	VALVE BONNET LEAKS	REPLACED BONNET	1	010092359	502
11/05/80	EE	TANK	1-EG-C-2	FABR AND INST DIPSTICK ON DIESEL	INSTALLED DIPSTICK	1	010202149	21
11/05/80	CH	VALVE	1-CH-33	REPLACE BOLTING	REPLACED BOLTING	1	010231544	174
11/05/80	VS	FILTER	1-VS-FL-3B	DIRTY FILTER	REPLACED FILTERS	1	011030714	738
11/06/80	CH	PIPING	3-CH-11	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	004221420	12111
11/06/80	DA	PIPING	2-DA-84	D/C 79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	004230704	167
11/06/80	CC	PIPING	6-CC-159	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETE	1	005051403	763
11/06/80	GW	PIPING	3-VA-7	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	006091301	688
11/06/80	CC	PIPING	3-CC-151	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	006191401	688
11/06/80	MS	PIPING	6-SHP-47	D/C 79-S32C RESET SPRING LOAD	COMPLETED	1	007221030	431
11/06/80	MS	PIPING	6-SHP-46	D/C 79-S32C RESET SPRING LOAD	COMPLETED	1	007221031	431
11/06/80	MS	PIPING	6-SHP-45	D/C 79-S32C RESET SPRING LOAD	COMPLETED	1	007221032	431
11/06/80	FW	PIPING	14-WPPD-13	D/C 79-S32C RESET SPRING LOAD	COMPLETED	1	007221033	431
11/06/80	BD	PIPING	3-WCCB-1	D/C 79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021410	167
11/06/80	CC	PIPING	18-CC-7+9	D/C 79-S32C INSTALL SUPPORT MOD	INSTALLED SUPPORT MOD	1	009091042	695
11/06/80	CC	PIPING	2 1/2-WCMU-14	D/C 79-S32C INSTALL SUPPORT MOD	INSTALL SHEAR LUGS	1	010020737	476
11/06/80	CH	VALVE	1-CH-67	REPLACE BOLTING	REPLACED STUDS AND NUTS ON VALVE	1	010231554	10
11/06/80	CH	VALVE	1-CH-144	REPLACE BOLTING	REPLACED STUDS AND NUTS ON VALVE	1	010231631	55
11/06/80	CH	VALVE	1-CH-140	REPLACE BOLTING	REPLACED STUDS AND NUTS ON VALVE	1	010231829	55
11/06/80	CH	VALVE	1-CH-149	REPLACE BOLTING	REPLACED STUDS AND NUTS ON VALVE	1	010231831	55
11/07/80	RH	PIPING		FLANGE DOWNSTREAM 1-RH-9 LEAKING	TIGHTENED FLANGE	1	002230717	409

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
11/07/80	FC	PIPING	12-FP-33	D/C 79-S32C INSTALL SPRING HGR	INSTALL SUPPORT AS PER SKETCH	1	009091039	187
11/07/80	FW	PIPING	6-WAPD-2	D/C 79-S32A REMOVE ROD HANGER	REMOVED HANGER	1	009091041	1056
11/07/80	FC	PIPING	12-FP-2	D/C 79-S32C INSTALL SUPPORT MOD	INSTALL SUPPORT AS PER SKETCH	1	010020733	187
11/08/80	BR	VALVE	1-BR-175	LEAKS THRU WHEN SHUT	REPLACED DIAPHRAGM + O RINGS	1	009271541	25
11/08/80	BR	VALVE	1-BR-190	LINE PLUGGED AT VALVES	RECONNECT PCV STEM	1	010231301	30
11/08/80	VS	DUCTING	1-VS-104A	DAMPER LEAKS THROUGH	READJUSTED LINKAGE	1	011060716	26
11/08/80	LW	PUMP	1-LW-P6B	PUMP NOISY	UNCOUPLE + RECOUPLE COUPLING	1	011071000	24
11/09/80	DA	PIPING	2-DA-69	D/C 79-S32C INSTALL SUPPORT	COMPLETE PER PROCEDURE	1	004230707	253
11/09/80	PG	PIPING	3-PG-28	D/C 79-S32C INSTALL SUPPORT	COMPLETE PER SKETCH	1	005030801	839
11/09/80	GW	PIPING	4-GW-30	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALLED SUPPORT MODIFICATION	1	005201106	768
11/09/80	CH	PIPING	4-CH-494	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED INSTALLED SUPPORT PER SKET	1	005281300	839
11/09/80	CH	PIPING	3-CH-23	D/C 79-S32C INSTALL SUPPORT MOD.	PLATE TUBE STEEL BOLTS PIPE STRAP	1	006111248	771
11/09/80	CH	VALVE	RV-1203	VALVE LEAKS THROUGH	REBUILT SPARE VALVE	1	007310740	2254
11/09/80	BD	PIPING	3-WGCB-3	DC79-S32C INSTALL SWAY STRUT	SWAY STRUT INSTALLED	1	009021400	66
11/09/80	FW	PIPING	6-WAPD-50	DC79-S32C INSTALL SUPPORT	COMPLETE PER PROCEDURE	1	009021406	253
11/09/80	BD	PIPING	2-WGCB-X	DC79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021415	253
11/09/80	CC	PIPING	8-CC-69	D/C 79-S32A INSTALL SPRING	INSTALL HANGER AS PER SKETCH	1	009050705	965
11/09/80	CC	PIPING	10-CC-70	D/C 79-S32A INSTALL STIFFNER	INSTALL STIFFNER PLATES WITH WELDS	1	009170735	239
11/09/80	DA	PIPING	4-DA-92	D/C 79-S32C INSTALL SUPPORT NOD	SHIM CHANNEL AND PLATE WITH WELDS	1	010020738	556
11/10/80	BR	PUMP	1-BR-P-7B	DISCONNECT COUPLING	UNCOUPLED + RECOUPLE COUPLING	1	010160825	479
11/10/80	BR	VALVE	HCV-BR-111	LINE PLUGGED AT VALVES	RECONNECT THE VALVE STEM	1	010231300	48
11/10/80	CH	VALVE	1-CH-142	REPLACE BOLTING	REPLACED STUDS AND NUTS	1	010231630	141
11/10/80	CH	VALVE	1-CH-148	REPLACE BOLTING	REPLACED STUDS AND NUTS	1	010231632	141
11/10/80	CH	VALVE	1-CH-13	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231648	24
11/10/80	CH	VALVE	1-CH-15	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231649	96
11/10/80	CH	VALVE	1-CH-16	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231650	96
11/10/80	CH	VALVE	1-CH-145	REPLACE BOLTING	REPLACED STUDS AND NUTS	1	010231830	141
11/11/80	BD	PIPING	2-WGCB-X	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	004230703	295
11/11/80	CH	PIPING	3-RW-6	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	006111246	810
11/11/80	FW	PIPING	6-WAPD-50	D/C 79-S32A INSTALL SHIMS PER	COMPLETE	1	009041301	1151
11/11/80	FC	PIPING	12-FP-1	D/C 79-S32C INSTALL SPRING	INSTALL SUPPORT AS PER SKETCH	1	009050714	282
11/11/80	FC	PIPING	12-FP-1	D/C 79-S32C INSTALL SUPPORT MOD	INSTALL SUPPORT AS PER SKETCH	1	009110846	281
11/11/80	RC	VALVE	PCV-1455C	AIR LEAK ON DIAPHRAM	REPLACED DIAPHRAM	1	009290150	31
11/11/80	VS	FILTER	1-VS-AC-4	HI DP ON FILTER	CLEAN FILTER CHAMBER AND ROLLED THE	1	011080237	8
11/11/80	SW	VALVE	1-SW-11	HANDWHEEL WILL NOT OPERATE VALVE	REPAIR BUSHING	1	011110929	127
11/12/80	BR	PUMP	1-BR-C-1A	REPLACE BELTS AND STOP GAS LEAKS	INSTALLED NEW BELTS + CLEAN FILTER	1	007150233	2742
11/12/80	BR	COMP	BR-C-1A	DIAPHRAGM LEAK	CHECKED DIAPHRAGM FOR LEAK	1	010200310	74
11/13/80	BD	PIPING	2-WGCB-X	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	004230702	347
11/13/80	BD	PIPING	2-WGCB-X	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	004230706	347

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RTSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
11/13/80	BD	PIPING	3-WGCB-2	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	004241031	347
11/13/80	FW	PIPING	6-WAPD-50	D/C 79-S32C SUPPORT MOD.	INSTALLED SUPPORT	1	004260811	118
11/13/80	BD	PIPING	3-WGCB-1	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	004260817	616
11/13/80	MS	PIPING	3-SHPD-5	D/C 79-S32C RESET SPRING LOAD	JOB COMPLETED 11 12 80	1	007140931	575
11/13/80	SI	PIPING	3-SI-72	D/C 79-S32C RESET SPRING LOAD	RESET SPRING HANGER	1	007140934	116
11/13/80	CH	PIPING	1-CH-91	D/C 79-S32C RESET SPRING LOAD	RESET SPRIG LOAD	1	007140935	116
11/13/80	BD	PIPING	3-WGCB-3	D/C 79-S32C RESET SPRING LOAD	RESET SPRING LOAD	1	007140937	116
11/13/80	CH	PIPING	3-CH-3	D/C 79-S32C RESET SPRING LOAD	COMPLETED	1	007221038	187
11/13/80	BD	PIPING	3-WGCB-1	DC79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021403	347
11/13/80	BD	PIPING	3-WGCB-1	DC79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021407	347
11/13/80	CC	PIPING	18-CC-14	D/C 79-S32A INSTALL SPRING	INSTALL SPRING CAN BASE PLATE	1	009050709	289
11/13/80	CC	PIPING	10-CC-67	D/C 79-S32A INSTALL SPRING HGR	INSTALL SUPPORT AS PER SKETCH	1	009161330	329
11/13/80	RS	VALVE	1-RS-11	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	009260808	432
11/13/80	FC	PIPING	16-FP-18	D/C 79-S32C INSTALL SUPPORT MOD	INSTALL SUPPORT AS PER SKETCH	1	010020732	329
11/13/80	FC	PIPING	16-FP-18	D/C 79-S32C INSTALL SUPPORT MOD	INSTALL SUPPORT AS PER SKETCH	1	010020734	330
11/13/80	SI	PIPING	8-SI-92	D/C 79-S32A SPRING HGR MOD	JOB COMPLETED 11 11 80	1	010101300	569
11/13/80	CH	VALVE	1-CH-83	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231602	96
11/13/80	CH	VALVE	1-CH-198	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231633	120
11/13/80	CH	VALVE	1-CH-201	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231636	336
11/13/80	CH	VALVE	1-CH-202	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231637	336
11/13/80	CH	VALVE	1-CH-167	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231756	120
11/13/80	CH	VALVE	1-CH-169	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231758	120
11/13/80	CH	VALVE	1-CH-176	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231827	72
11/13/80	CH	VALVE	1-CH-267	REPLACE BOLTING	REPLACED BOLTS	1	010231836	72
11/13/80	CH	VALVE	1-CH-309	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231840	48
11/13/80	CH	VALVE	1-CH-303	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231845	60
11/14/80	CH	VALVE	1-CH-410	VALVE LEAKING BY	REPLACE VALVE	1	905080455	384
11/15/80	PG	PIPING	3-PG-28	D/C 79-S32C INSTALL SUPPORT	INSTALLED SUPPORT	1	004241034	1431
11/15/80	GW	PIPING	6-GW-18	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	005070803	977
11/15/80	CC	PIPING	6-CC-79	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	005220800	977
11/15/80	MS	PIPING	3-SHPD-5	D/C 79-S32C RESET SPRING LOAD	RESET SPRING LOAD	1	007140932	618
11/15/80	CC	PIPING	18-CC-16	D/C 79-S32A INSTALL SPRING	INSTALLED SPRING HANGER	1	009050706	1246
11/15/80	RH	PIPING	H-1+H2	PREP HANGER	GROUND WELD FOR NDT INSPECTION	1	010240639	523
11/16/80	CH	PIPING	3-CH-1	D/C 79-S32C REMOVE SUPPORTS	SUPPORT REMOVED	1	005161500	418
11/16/80	RC	PIPING	3-RC-52	DC79-S32C INSTALL SUPPORT	COMPLETED	1	009021402	418
11/16/80	CH	PIPING	3-CH-1	DC79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021404	418
11/16/80	SI	PIPING	8-SI-14	D/C 79-S32C INSTALL SUPPORT MOD	INSTALLED SUPPORT MOD COMPLETE 80 11	1	009170734	644
11/17/80	BD	PIPING	3-WGCB-3	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	005021601	737
11/17/80	BE	PIPING	24-EXR LINE	D/C 79-S32A INSTALL-SUPPORT MOD	COMPLETED	1	009041300	911
11/17/80	FW	PIPING	6-WAPD-50	D/C 79-S32A INSTALL SUPPORT MOD	COMPLETED	1	009050715	1292
11/17/80	MS	PIPING	3-SHP-28	D/C 79-S32A INSTALL SPRING MOD	INSTALLED SPRING MOD	1	010061500	664
11/17/80	MS	PIPING	3-SHP-30	D/C 79-S32A INSTALL SPRING HGR	INSTALL SPRING HANGER MOD	1	010070710	664

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTLWNTM
11/17/80	MS	PIPING	3-SHP-29	D/C 79-S32A INSTALL SPRING HGR	INSALLED HGR SPRING MOD	1	010070711	664
11/17/80	SI	MOV	MOV-1860B	CLUTCH ON MOV GOES FULL 360	TIGHTENED SETSCREW	1	010121534	70
11/17/80	CH	VALVE	1-CH-106	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231618	7
11/17/80	CH	VALVE	1-CH-199	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231634	209
11/17/80	CH	VALVE	1-CH-200	REPLACE BOLTING	REPLACED STUD AND NUTS IN VALVE	1	010231635	437
11/17/80	CH	VALVE	1-CH-205	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231640	437
11/17/80	CH	VALVE	1-CH-196	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231834	137
11/17/80	CH	VALVE	1-CH-258	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231837	161
11/17/80	CH	VALVE	1-CH-109	CHECK VALVE WILL NOT SEAT	REPLACED 1-CH-109 AND APPROX	1	011051745	80
11/18/80	EE	PIPING	24-EXL	D/C 79-S32B INSTALL SHIM	COMPLETE	1	009161032	997
11/18/80	EE	PIPING	36-EXL	D/C 79-S32B INSTALL SHIMS	COMPLETE	1	009161033	997
11/18/80	EE	PIPING	36-EXH	D/C 79-S32B INSTALL SHIM	COMPLETE	1	009161034	997
11/19/80	CH	VALVE	1-CW-10	VALVE DIAPHRAM LEAKS	OVERHAULED VALVE	1	002211820	24
11/19/80	SI	VALVE	1-SI-244	OVERHAUL THE FOLLOWING VALVE	CHECKED FOR OPERATION	1	010291350	27
11/19/80	SI	VALVE	1-SI-82	REPLACE BOLTING	OPEN PORTS IN PROPER ORDER	1	011170900	10
11/19/80	RH	VALVE	1-RH-44	REPLACE BOLTING	REPAIRED CONTACTOR	1	011170902	7
11/19/80	BR	VALVE	1-BR-236	INSPECT DIAPHRAGM AND REPAIR AS NECE	ADJUSTED VALVE	1	011171505	17
11/19/80	BR	VALVE	1-BR-237	INSPECT DIAPHRAGM AND REPAIR	ADJUSTED VALVES	1	011171506	17
11/19/80	CC	PUMP	1-CC-P-1B	UNCOUPLE MOTOR FROM PUMP	UNCOUPLED MOTOR FROM PUMP	1	011180832	2
11/20/80	DG	PIPING	2-DG-42	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETED	1	005070802	1098
11/21/80	DG	PIPING	3-DG-40	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	004230708	521
11/21/80	MS	PIPING	6-SHP-39	D/C 79-S32C REMOVE SUPPORT	REMOVED SUPPORT	1	005010795	1094
11/21/80	MS	PIPING	6-SHP-37	D/C 79-S32C REMOVE SUPPORT	REMOVED SUPPORT	1	005010708	1044
11/21/80	CW	PIPING	3-CW-21	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALLED SUPPORT	1	005201107	1051
11/21/80	CW	PIPING	4-CW-30	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALLED SUPPET MODIFICATION	1	005201108	1051
11/22/80	CC	PIPING	18-CC-10+16+17	D/C 79-S32C SUPPORT MOD.	INSTALLED SUPPORT	1	005051404	1412
11/22/80	DG	PIPING	3-DG-22	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	009021411	559
11/22/80	BR	VALVE	1-BR-73	HANDWHEEL ON VALVE IS STRIPPED	REPLACED WITH NEW BONNET	1	011101828	209
11/23/80	CC	PIPING	18-CC-5	D/C 79-S32A INSTALL ANCHOR SPRT	TUBE STEEL BASE PLATES GUSSETS	1	009260820	434
11/23/80	IA	VALVE		BENCH TEST RELIEF VALVE	THE VALVE HAS BEEN TESTED FOR 120PSI	1	011171902	68
11/24/80	MS	PIPING	6-SHP-39	D/C 79-S32C REMOVE SUPPORT	REMOVED SUPPORT	1	005010794	1166
11/24/80	MS	PIPING	4-SHP-37	D/C 79-S32C REMOVE SUPPORT	REMOVED SUPPORT	1	005010706	1167
11/24/80	MS	PIPING	6-SHP-37	D/C 79-S32C REMOVE SUPPORT	REMOVED SUPPORT	1	005010707	1166
11/24/80	MS	PIPING	6-SHP-45	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETE	1	005280930	833
11/24/80	MS	PIPING	6-SHP-46	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETE	1	005280932	833
11/24/80	CH	VALVE	1-CH-130	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231628	595
11/24/80	CH	VALVE	1-CH-212	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231639	599
11/24/80	CH	VALVE	1-CH-213	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231644	598
11/24/80	CH	VALVE	1-CH-218	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231645	599
11/24/80	CH	VALVE	1-CH-415	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231743	24
11/24/80	CH	VALVE	1-CH-87	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231806	24
11/24/80	CH	VALVE	1-CH-128	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231825	24
11/24/80	BR	VALVE	1-BR-233	CHECK VALVES FOR LEAK THROUGH	O-HAUL VALVES	1	011211030	71
11/24/80	CH	VALVE	1-CH-365	SEAT LEAKAGE	REPLACED 3/4 VALVE SS	1	908260440	654
11/24/80	SI	MOV	MOV-SI-1865B	REPAIR LOCAL POSITION INDICATOR	REPAIRED POSITION INDICATOR	1	912061533	7950

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWTM
11/25/80	RS	VALVE	1-RS-26	VALVE LEAKING	LAPPED DISC SEAT	1	001151122	836
11/25/80	CC	PIPING	8-CN-1+4+11-15	D/C 79-S32A BADEPLATE MOD.	INSTALLED BASEPLATE	1	005281145	742
11/25/80	SW	PIPING	3-WS-26	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETED	1	007031448	620
11/25/80	SW	PIPING	3-WS-33	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETED	1	007070704	860
11/25/80	EE	PIPING	24-EXH	D/C 79-S32B INSTALL SHIM	COMPLETED	1	009161035	1146
11/25/80	MS	PIPING	3-SHP-31	D/C 79-S32A INSTALL SWAY STRUT	INSTALLED EVERY STRUT JOB COMPLETE 1	1	010070706	841
11/25/80	CH	VALVE	1-CH-146	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231811	80
11/25/80	CH	VALVE	1-CH-147	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231812	80
11/25/80	CH	VALVE	1-CH-179	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231813	73
11/25/80	CH	VALVE	1-CH-217	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231817	73
11/25/80	CH	VALVE	1-CH-220	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231823	73
11/25/80	CH	VALVE	1-CH-183	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231826	73
11/25/80	CH	VALVE	1-CH-178	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231828	72
11/26/80	CC	PIPING	10-CC-72	D/C 79-S32A INSTALL BASEPLATE	COMPLETE	1	010100900	1027
11/26/80	IA	PIPING		AIR LINE TO VALVE LEAKS	COMPLETED	1	011030830	545
11/26/80	VG	PUMP	RC-VG-109	LOW FLOW	CHANGED PUMP + BELT	1	011250200	20
11/27/80	CH	PUMP	1-CH-P-1B	CHANGE OIL IN WESTINGHOUSE	FILLED WITH OIL	1	011120739	325
11/27/80	CH	PUMP	1-CH-P-1B	HYDROSTATICALLY TEST LUBE OIL	FILLED WITH OIL	1	011130807	42
11/27/80	IA	COMPRESS	1-IA-C1	COMPRESSOR TRIPPED	CHANGED OIL FILTERS+ADJ C THERMOST	1	011250645	37
11/28/80	CH	VALVE	1-CH-180	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	010231814	73
11/30/80	BD	VALVE	1-BD-169	VALVE LEAKING BY	LAP SEAT+DISC CLEANED VALVE	1	002200738	137
11/30/80	FC	PUMPS	1-FC-P-1A+1B	REPLACE BOLTS	INSTALLED + TORQUED NEW BOLTS	1	003110901	20
11/30/80	CH	VALVE	1-CH-141	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VLV	1	010231809	184
11/30/80	CH	VALVE	1-CH-143	REPLACE BOLTING	REPLACED STUDS+NUTS IN VALVE	1	010231810	115
11/30/80	CH	PMP MTR	1-CH-P-1A	UNCOUPLE FOR MOTOR PMS	UNCOUPLED PUMP	1	011211857	100
11/30/80	CH	PMP MTR	1-CH-P-1B	UNCOUPLE FOR MOTOR PMS	UNCOUPLED PUMP	1	011211858	100
11/30/80	CH	PMP MTR	1-CH-P-1C	UNCOUPLE FOR MOTOR PMS	UNCOUPLED PUMP	1	011211859	100
11/30/80	CC	PMP MTR	1-CC-P-1B	COUPLE MOTOR TO PUMP	COUPLED UP PUMP	1	011261045	17
12/01/80	CH	NOV	NOV-CH-1275B	CHECK NOV-NECH	TESTED VALVE	1	011130906	331

DEPT TOTAL

\*\*\*\*\*

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance



DEPT=MECH

2 DEC 80 \* 11:07 AM PAGE 1

UNIT2-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTH
11/01/80	SI	VALVE	2-SI-77	PACKING LEAK	REPACK VALVE	2	010080605	395
11/01/80	IA	VALVE	2-1A-185	FITTING LEAK AT 21A 185	TIGHTENED FITTING	2	010202328	1
11/01/80	IA	VALVE	2-IA-187	FITTING LEAKS AT 2 1A 187	TIGHTENED FITTING	2	010202331	1
11/01/80	IA	VALVE	2-1A-20	PACKING LEAKS	TIGHTENED PACKING	2	010202335	1
11/02/80	CH	PIPING	3-RW-20	D/C 79-S56A INSTALL SUPPORT	COMPLETE	2	009291036	528
DEPT TOTAL								926

-30-

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

UNIT1-12/02/80  
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWTM
11/05/80	SI	HT	CIR-23A-PNL-1	LOW AMP READINGS REPLACED HEAT TAPE	REPLACED HEAT TAPE	1	011040701	27
11/05/80	SI	HT	CIR-23-PN2	REPLACE HT	REPLACED HEAT TAPE	1	011040805	2
11/06/80	EE	BREAKER	15H6	PERFORM PMS ON BREAKER	PMS COMPLETE	1	009062212	39
11/08/80	EE	BREAKER	15J9	PERFORM PMS ON BREAKER	PMS COMPLETE	1	009062219	3
11/08/80	EE	BREAKER	15H9	PERFORM PMS ON BREAKER	PMS COMPLETE	1	009062310	1
11/10/80	CH	MOV	MOV-1267B	PERFORM PMS	PMS VAVLE SAT	1	009062128	11
11/10/80	CH	MOV	MOV-1267A	PERFORM PMS	PMS VALVE SAT	1	009062129	11
11/10/80	PC	MTR GEN	1-MG-1	PERFORM PMS ON MOTOR	PMS COMPLETE	1	011031000	73
11/13/80	CH	MOV	MOV-1269A	PERFORM PMS	PMS MOV	1	009062127	12
11/17/80	SI	HT	24D-PNL-2	LOW AMP READINGS	REPLACED HEAT TAPE	1	011040710	8
11/17/80	CH	HT	CIR-24A-PNL-1	LOW AMP READINGS REPLACE HEAT TAPE	REPLACED HEAT TAPE	1	011040711	8
11/18/80	VS	SWITCH		LIGHTS ARE ILLUMINATED	2B DELETED	1	010200611	1
11/19/80	CH	HT	CKT 4A PNL 8	REPAIR OR REPLACE HEAT TRACE	REPLACED TAPES	1	011101310	26
11/19/80	SI	HT	CIR-24A-PNL-2	REPLACE HEAT TAPE	REPLACED HEAT TAPE	1	011180845	2
11/20/80	IA	INSTR	B-5-F	ALARM WILL NOT CLEAR	REMOVED UNUSED LEADS	1	010210157	24
11/21/80	EE	INSTR		TRANSFER PUMPS	CHECKED SETTINGS OPERATION SATIS	1	004131144	26
11/21/80	PC	INSTR		DESIGN CHANGE 78-S25	DESIGN CHANGE COMPLETED	1	010201800	3
11/24/80	CH	MOV	MOV-1267C	PERFORM PMS	PERFORMED PMS	1	009062115	4
11/24/80	CH	MOV	MOV-1275C	PERFORM PMS	PERFORMED PMS	1	009062121	4
11/25/80	CH	HT	25(CIR)PNL-1	LOW AMP READINGS REPLACE HEAT TAPE	REPLACED HEAT TAPE	1	011040712	7

DEPT TOTAL

462

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Electrical Maintenance

None during this reporting period.

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #1

Instrument Maintenance

UNIT1-12/02/80

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

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTIWNTH
11/10/80	RC	INSTR	-RC-P-1C	CHECK GAUGE	CALIBRATED GAUGE	1	004170425	8
11/10/80	BR	INSTR	LI-BR-108A	LEVEL INDICATION READS HIGH	REBUILT REPEATERS	1	010252250	79
11/13/80	BR	INSTR	L1-BR-108A	LEVEL METER PEGGED HIGH	REPLACED TRANSMITTER	1	011090855	98
11/13/80	LM	INSTR	PT-LM-100A	INVALID ALARM	RESET ALARM	1	011111850	24
11/21/80	RM	MONITOR	RC-VG-103	COULD NOT CLEAR ON MID SHIFT	ADJUSTED SETPOINTS	1	011190755	22
11/24/80	CC	PUMP	1-CC-P-1A	1-CC-P-1A PICKS UP ON NORM OPER PRES	INSTALLED PS-CC-\$101A	1	011061103	71
11/25/80	RM	MONITOR	RM-VG-104	SETPOINT CANT. BE ADJUSTED	CALIBRATED ALARM CARD	1	011240913	7
DEPT TOTAL								309

Maintenance of Safety Related Systems During  
Outage or Reduced Power Periods

UNIT #2

Instrument Maintenance



None during this reporting period.

HEALTH PHYSICS

NOVEMBER, 1980

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

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

NOVEMBER, 1980

None during this reporting period.