

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 81-01

JANUARY, 1981

APPROVED:


MANAGER

8102280574

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OPERATING DATA REPORT

DOCKET NO. 50-280
DATE 04 FEB 81
COMPLETED BY SUE D. DUNN
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	10181 TO 13181
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 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	744.0	744.0	71112.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	0.0	42538.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3731.5
14. HOURS GENERATOR ON-LINE	0.0	0.0	41668.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	0.0	96389401.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	0.0	31301743.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	0.0	29699924.0
19. UNIT SERVICE FACTOR	0.0	0.0	58.6 %
20. UNIT AVAILABILITY FACTOR	0.0	0.0	63.8 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	59.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	50.8 %
23. UNIT FORCED OUTAGE RATE	0.0	0.0	26.4 %
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 July 1, 1981

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

OPERATING DATA REPORT

DOCKET NO. 50-281
DATE 04 FEB 81
COMPLETED BY SUE D. DUNN
TELEPHONE 804-357-3184

OPERATING STATUS

- 1. UNIT NAME SURRY UNIT 2
2. REPORTING PERIOD 10181 TO 13181
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
(ITMS 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

Table with 4 columns: Item, This Month, Yr-to-Date, Cumulative. Rows include: 11. HOURS IN REPORTING PERIOD, 12. NUMBER OF HOURS REACTOR WAS CRITICAL, 13. REACTOR RESERVE SHUTDOWN HOURS, 14. HOURS GENERATOR ON-LINE, 15. UNIT RESERVE SHUTDOWN HOURS, 16. GROSS THERMAL ENERGY GENERATED (MWH), 17. GROSS ELECTRICAL ENERGY GENERATED (MWH), 18. NET ELECTRICAL ENERGY GENERATED (MWH), 19. UNIT SERVICE FACTOR, 20. UNIT AVAILABILITY FACTOR, 21. UNIT CAPACITY FACTOR (USING MDC NET), 22. UNIT CAPACITY FACTOR (USING DER NET), 23. UNIT FORCED OUTAGE RATE, 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
26. UNITS IN TEST STATUS FORECAST ACHIEVED (PRIOR TO COMMERCIAL OPERATION)

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

OPERATING DATA REPORT

CORRECTED REPORT

DOCKET NO. 50-281
DATE 04 FEB 81
COMPLETED BY SUE D. DUNN
TELEPHONE 804-357-3184

OPERATING STATUS

- 1. UNIT NAME SURRY UNIT 2
2. REPORTING PERIOD 120101 TO 120131
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
(ITMS 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

Table with 4 columns: Item, THIS MONTH, YR-TO-DATE, CUMULATIVE. Rows include hours in reporting period, reactor reserve shutdown hours, gross thermal and electrical energy generated, unit service and availability factors, and shutdowns scheduled over next 6 months.

- 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

* Indicates corrected figure

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-80
UNIT NAME 1
DATE February 9, 1981
COMPLETED BY SUE D. DUNN.
TELEPHONE 357-3184

REPORT MONTH JANUARY, 1981

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
81-1	1-1-81	S	744	A	1				Continuation of shutdown for steam generator replacement outage which commenced 9-14-80.

1
F: Forced
S: Scheduled

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

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

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

5
Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-281
UNIT NAME 2
DATE February 9, 1981
COMPLETED BY SUE D. DUNN
TELEPHONE 357-3184

REPORT MONTH JANUARY, 1981

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
None during this reporting period.									

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refuelling
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.2

MONTH: JANUARY, 1981

<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 2-1-81
COMPLETED BY BUE D. DUNN

AVERAGE DAILY UNIT POWER LEVEL

MONTH: JANUARY 81

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

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

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

DOCKET NO 50-281
UNIT SURRY II
DATE 2-1-81
COMPLETED BY SUE D. DUNN

AVERAGE DAILY UNIT POWER LEVEL

MONTH: JANUARY 81

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWE-NET)	DAY	(MWE-NET)
1	761.0	17	755.4
2	761.8	18	755.0
3	759.5	19	756.5
4	759.3	20	758.9
5	761.9	21	759.8
6	762.3	22	758.7
7	758.2	23	756.7
8	755.0	24	755.6
9	757.5	25	753.4
10	752.0	26	754.6
11	755.8	27	752.6
12	757.9	28	757.4
13	758.0	29	759.1
14	759.5	30	758.8
15	758.3	31	757.9
16	754.9		

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.

SUMMARY OF OPERATING EXPERIENCE

JANUARY, 1981

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

JANUARY 1 This reporting period begins with the unit at cold shutdown for steam generator replacement and major design changes.

JANUARY 31 This reporting period ends with the unit at cold shutdown for steam generator replacement and major design changes.

UNIT 2

JANUARY 1 This reporting period begins with the unit @ 100% power.

JANUARY 2 At 1045 the Control Room Operator attempted to blend to the volume control tank (VCT). The attempt was unsuccessful and an operator was sent to the Auxiliary Building to ascertain the cause. It was discovered that an operator had mistakenly tagged the Unit 2 blender instead of the Unit 1 blender. At 1115 it was determined that the tagging of the Unit 2 blender violated Technical Specification 3.2.B.4, which requires two operable boric acid flow paths to the reactor core, and a ramp down of the unit was commenced. At 1120 the tags were removed and the Unit 2 blender was returned to service and power was increased to 100%.

JANUARY 18 At 1054, the "2D" BORIC ACID TRANSFER PUMP (BATP) which was lined up for service to Unit 2 blender, tripped. This violated Technical Specification 3.2.B.4, which requires two operable boric acid flow paths to the reactor core, and a ramp down of the unit was commenced. At 1100 the "2C" BATP was placed in service to supply boric acid to the Unit 2 blender and power was increased to 100%.

JANUARY 31 This reporting period ends with the unit at 100% power.

JANUARY, 1981

The Nuclear Regulatory Commission issued, on December 18, 1980, Amendment No. 62 to the Operating License for Surry Power Station, Units No. 1 and No. 2. The December 18, 1980 Condition of the License has been designated as Technical Specification Change No. 68. The change requires the implementation of a secondary water chemistry monitoring program to inhibit steam generator tube degradation. Of significance, paragraph 3.K of the Surry Unit No. 1 and No. 2 Operating Licenses is amended to read as follows:

"K. Secondary Water Chemistry Monitoring Program

The licensee shall implement a secondary water chemistry monitoring program to inhibit steam generator tube degradation. This program shall include:

1. Identification of a sampling schedule for the critical parameters and control points for these parameters;
2. Identification of the procedures used to quantify parameters that are critical to control points;
3. Identification of process sampling points;
4. Procedure for the recording and management of data;
5. Procedures defining corrective actions for off control point chemistry conditions; and
6. A procedure for identifying the authority responsible for the interpretation of the data, and the sequence and timing of administrative events required to initiate corrective action."

FACILITY CHANGES REQUIRING
NRC APPROVAL

JANUARY, 1981

None during this reporting period.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

UNIT

D/C 77-9 Containment Spray System Modifications

2

This design change meets the following objectives:

- a) Increased spray coverage
- b) Decreased caustic spray transit time to the spray nozzles.
- c) Addition of caustic solution to the spray water at an essentially constant rate
- d) Provide caustic spray until the containment is depressurized under all operating modes of the safeguards system.

Summary of Safety Analysis

This modification requires a change to Technical Specifications. A review of the FSAR indicates a change to the function of the affected systems are not required. An unreviewed safety question does not exist.

D/C 77-19F-1 Makeup Water Treatment Modifications

1,2

This design change installed instrumentation and controls necessary for adequate regenerations.

Summary of Safety Analysis

This modification does not affect the Tech. Spec., does not conflict with FSAR requirements, except that additions might be made to Section 9.11.3 Flash Evaporator Systems.

D/C 78-10 Condensate Polishing Addition

1,2

Portions of this design change involving Buried & Embedded Grounding (78-10F), HVAC Erection (78-10J), Connecting Piping (78-10KA), Air Compressors & Air Handling System (78-10L), Aux. Control Panel (78-10N), Control Panel Modifications (78-10NA), Condensate Pump Verification Test (78-10), Interior Fire Protection (78-10Q), Electrical Installation (78-10S), and Condensate Pump Modifications (78-10T) were implemented.

Summary of Safety Evaluation

This design change neither constitutes an unreviewed safety question or requires a change to Tech. Specs.

D/C 78-S35 LHSI & ORS Pump Bellmouth Modifications

2

This design change installed a crossvane type extension for both pumps to ensure radial flow into the pump suction to eliminate excessive vortexing.

Summary of Safety Analysis

This modification requires no change to the Technical Specifications FSAR requirements, and does not create "an Unreviewed Safety Question".

D/C 78-44 Steam Generator Blowdown Treatment System

2

Portions of this design change involving mechanical (78-44A) and Instrumentation (78-44D) have been implemented.

Summary of Safety Evaluation

This modification has improved the overall safety reliability and performance of the steam generator blowdown system. The design specifications have met or exceeds the specifications of the existing system. The system was designed to meet the NRC guidelines presented in Standard Review Plan (10.4.8) for steam generator blowdown systems. The overall effects of radiological releases to the environment will be significantly reduced by removal of activity in the demineralizers.

*Corrected Page for November, 1980 monthly operating report.

UNIT

* DC 78-25 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.

*Corrected Design Change Number. In November, 1980 report appeared as DC 78-35.

*Corrected Page for December, 1980 monthly operating report.

Facility Changes That Did Not Require NRC Approval (Continued)

UNIT

Summary of Safety Analysis

1,2

This modification provides additional fire protection and increases the safety margin.

D/C 80-18 Temporary Low-Level Radwaste Storage Facility

1,2

This design change provides a temporary low-level radwaste storage building for compaction, handling and storage. This building holds the waste volume that is expected to exceed allotment quotas during normal plant operation and during the Unit 1, SGRP.

Summary of Safety Analysis

This modification does not effect normal station operation or the operation of any Safety related equipment. On-site storage of low level dry waste is not discussed in the FSAR.

* D/C 80-S37B AFB Redundant Level Indication and Alarm In Control Room

2

This design change installed instrument and electrical equipment for the addition of Auxiliary Feedwater redundant level indication and alarm capability in the Control Room.

Summary of Safety Analysis

This modification does not affect the Technical Specifications and the FSAR. Installation of the safety grade redundant level indication and alarm capability for the AFW System Condensate Storage Tanks does not create an unreviewed safety question as defined in 10CFR 50.59.

D/C 80-83 Charging Pump Safety Injection Automatic Removal

1,2

This design change was performed in response to I.E. Bulletin 80-18. It provided a means of removing the Safety Injection Automatic closure signal from the charging pump miniflow isolation MOV's.

Summary of Analysis

This modification increases the safety by preventing damage to the charging pumps. This interim measure is scheduled to be superceded by a more permanent method of controlling the system at a later date.

D/C 80S90 Diverse Isolation Signal Condenser Air Ejector Vent Trip Valve

1,2

This design change provides a diverse isolation signal to the condenser air ejector vent trip valve. This modification involved the re-routing of new cable over to the Engineered Safeguards' Cabinet and terminating to existing safety injection signal outputs.

Summary of Analysis

This modification provides a more diverse and effective containment isolation and complies with the requirements of NUREG-0578. This design change has no effect on the operation of other safety systems or safety related equipment.

*Corrected Design Change Number and Unit designation. In December 1980 report appeared as DC 80-S27B for Units 1 & 2.

TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL

JANUARY, 1981

None during this reporting period.

TEST AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL

None during this reporting period.

OTHER CHANGES, TESTS AND EXPERIMENT

JANUARY, 1981

None during this reporting period.

SURRY POWER STATION

CHEMISTRY REPORT

January , 19 81

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				2.49E-1	7.28E-2	1.48E-1
Suspended Solids, ppm				0.1	0.1	0.1
Gross Tritium, µCi/ml				2.72E-1	2.44E-1	2.54E-1
Iodine-131, µCi/ml				2.49E-3	1.94E-3	2.18E-3
I-131/I-133				1.0318	.7288	.8268
Hydrogen, cc/kg				49.9	34.6	42.7
Lithium, ppm				2.50 (c)	2.13	2.29 (c)
Boron-10, ppm +				142	127	134
Oxygen-16, ppm				.000	.000	.000
Chloride, ppm				.05	.05	.05
pH @ 25°C				6.94	6.81	6.87

+ Boron-10 = Total Boron x 0.196

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

Phosphate	<u>117 (B)</u>	Boron	<u>436</u>
Sulfate	<u>0</u>	Chromate	<u>.30</u>
50% NaOH	<u>12 (B)</u>	Chlorine	<u>0</u>

Remarks:(A) Unit 1 is at CSD & defueled with system drained for SGRP.

(B) Phosphate and NaOH plus 5lb. wetting agent used to chemically clean "B" package boiler.

(C) High lithium due to inability to place cation bed in service

These levels of chemicals should represent no major adverse environmental impact.

-19-
DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

JANUARY, 1981

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

JANUARY 7, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 8, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 14, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 18, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 19, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 20, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 21, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 26, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 27, 1981	*	Exceeded 15 ^o F ΔT across station
JANUARY 28, 1981	*	Exceeded 15 ^o F ΔT across station

* Indicates dates where station ΔT was less than 15.0^oF across station for sometime during the day.

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

FUEL HANDLING
UNIT NO. 1

JANUARY, 1981

None during this reporting period.

FUEL HANDLING
UNIT NO. 2

JANUARY, 1981

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE FSAR

JANUARY, 1981

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE FSAR

JANUARY, 1981

None during this reporting period.

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

JANUARY, 1981

A recent review of Tests conducted revealed the following tests were not performed:

PT-37.1 Electric Hydrogen Recombiners was not conducted on Unit No.1 when scheduled on 7-15-80. This monthly test is performed to test the electric hydrogen recombiner control panel gauges and controls. The test was conducted satisfactorily on 8-18-80.

PT-53 Quarterly Testing of PORV was not conducted on Unit No. 1 when scheduled on 6-15-80. This quarterly test is to stroke valves to their required position and measure stroke time to monitor proper valve operation. The test was conducted satisfactorily on 9-19-80.

INSERVICE INSPECTION

JANUARY, 1981

UNIT 1

The Westinghouse program for inservice inspection is still in progress. No major indications have been noted. An inspection of ASME Class III Hangers and component supports is still being conducted. Conducted penetrant inspections of the penetration pipe cap program with no indications noted. The inspection of components associated with Unit 1 H.P. and L.P. turbines is still in progress. Conducted an ultrasonic inspection of the service water piping to the recirculation spray coolers in containment and a visual of the piping ID from the safeguard area into the service building - no problems were noted.

UNIT 2

No inservice work was conducted.

REPORTABLE OCCURRENCES PERTAINING TO
ANY OUTAGE OR POWER REDUCTIONS

JANUARY, 1981

None during this reporting period.

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

UNIT1- 2/09/81
 (MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RSTSBRVDT	SYS	COMP	MARKNO	SUMMARY	WKPSRF	U	MR	TOTDWTM
01/01/81	BR	VALVS	1-BR-85	RSPLACS BOLTING	RSPLACSD STUDS AND NUTS IN VALVS	1	011191548	29
01/01/81	BR	VALVS	1-BR-86	RSPLACS BOLTING	RSPLACSD STUDS	1	011191602	52
01/01/81	BR	VALVS	1-BR-234	RSPLACS BOLTING	RSPLACSD STUDS	1	011191652	54
01/01/81	BR	VALVS	1-BR-60	RSPLACS BOLTING	RSPLACSD STUDS	1	011191817	52
01/01/81	BR	VALVS	1-BR-82	RSPLACS BOLTING	RSPLACSD STUDS	1	011191843	52
01/01/81	BR	VALVS	1-BR-61	RSPLACS BOLTING	RSPLACSD STUDS	1	011191910	52
01/01/81	FW	PUMP	1-FW-P-3A	DAMAGE WAS CAUSED BY FREEZING	FIXED CASING SPLIT	1	012270930	80
01/01/81	BR	VALVS	1-BR-218	RSPLACS HANDWHEEL	REPLACED HANDWHEEL	1	911172140	13
01/02/81	VA	PIPING	6-SAS-37	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETS	1	005120705	1727
01/02/81	VA	PIPING	6-SAS-38	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETE	1	005120706	1727
01/02/81	BR	VALVS	1-BR-25	RSPLACS BOLTING	RSPLACSD STUDS	1	011191717	28
01/02/81	BR	VALVS	1-BR-26	RSPLACS BOLTING	RSPLACSD STUDS	1	011191719	28
01/02/81	BR	VALVS	1-BR-7	RSPLACS BOLTING	RSPLACSD STUDS	1	011191720	23
01/02/81	BR	VALVS	1-BR-2	RSPLACS BOLTING	RSPLACSD STUDS	1	011191724	558
01/02/81	BR	VALVS	1-BR-14	RSPLACS BOLTING	RSPLACSD STUDS	1	011191726	28
01/02/81	BR	VALVS	1-BR-8	RSPLACS BOLTING	RSPLACSD STUDS	1	011191727	556
01/02/81	BR	VALVS	1-BR-49	RSPLACS BOLTING	RSPLACSD STUDS	1	011191758	28
01/02/81	BR	VALVS	1-BR-47	RSPLACS BOLTING	RSPLACSD STUDS	1	011191759	28
01/02/81	BR	VALVS	1-BR-39	RSPLACS BOLTING	RSPLACSD STUDS	1	011191801	28
01/02/81	BR	VALVS	1-BR-304	RSPLACS BOLTING	RSPLACSD STUDS	1	011191921	28
01/04/81	CH	VALVS	RCV-CH-1186	OVERHAUL	VALVED DETERMINED TO BE SAT AS PER O	1	010291300	464
01/04/81	BR	VALVS	1-BR-88	RSPLACS BOLTING	RSPLACSD STUDS AND NUTS IN VALVS	1	011191601	103
01/04/81	BR	VALVS	1-BR-68	RSPLACS BOLTING	REPLACSD STUDS	1	011191747	126
01/04/81	BR	VALVS	1-BR-66	RSPLACS BOLTING	RSPLACSD STUDS	1	011191821	128
01/04/81	BR	VALVS	1-BR-65	RSPLACS BOLTING	RSPLACSD STUDS AND NUTS IN VALVS	1	011191822	126
01/04/81	BR	VALVS	1-BR-300	RSPLACS BOLTING	RSPLACSD STUDS	1	011191836	32
01/04/81	BR	VALVS	1-BR-302	RSPLACS BOLTING	RSPLACSD STUDS	1	011191837	32
01/04/81	BR	VALVS	1-BR-1	RSPLACS BOLTING	REPLACSD STUDS ON VALVS	1	011191841	690
01/04/81	BR	VALVS	1-BR-298	RSPLACS BOLTING	REPLACSD STUDS	1	011191919	32
01/04/81	BR	VALVS	1-BR-299	RSPLACS BOLTING	REPLACSD STUDS	1	011191922	32
01/04/81	BR	VALVS	1-BR-303	RSPLACS BOLTING	REPLACSD STUDS	1	011191923	32
01/04/81	CH	VALVS	1-CH-123	RSPLACS DIAPHRAM	RPL DIAPHRAM	1	012171238	410
01/04/81	CH	VALVS	1-CH-16	RSPLACS DIAPHRAM	OVERHAULSD VALVS	1	012171243	410

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

RSTSBRVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWTM
01/04/81	CH	VALVE	1-CH-9	REPLACS DIAPHRAN	OVERHAULD VALVSD	1	012171247	410
01/04/81	BR	VALVE		CHANGS DIAPHRAN	REPLACED BONNET	1	012310924	103
01/04/81	BR	VALVES		CHANGS DIAPHRAN	CHANGED OLD BONNET ON VALVS	1	012310925	103
01/04/81	BR	VALVES		CHANGS DIAPHRAN	CHANGED BONNET ON VALVS	1	012310926	103
01/04/81	CH	VALVE	1-CH-61	RSPLACS DIAPHRAN IN VALVE	MANUFACTURED GASKETS AS PER REQUEST	1	101021415	51
01/05/81	DG	VALVS	1-DG-1	RSPLACS DIAPHRAGM	REPLACED BONNET ASSEMBLY	1	001011301	659
01/05/81	FC	PUMP	1-FC-P-1A	PUMP CASING LEAKS	REBUILT PUMP	1	003100620	4257
01/05/81	CH	PIPING	3-CH-1	D/C 79-S32C SUPPORT MOD.	SUPPORT INSTALLED	1	004300903	382
01/05/81	CH	VALVS	1-CH-38	RSPLACS DIAPHRAN ON VALVE	OVERHAULSD VALVS	1	101021201	79
01/05/81	CH	VALVS	1-CH-67	RSPLACS DIAPHRAN ON VALVE	OVERHAULSD VALVS	1	101021202	79
01/05/81	CH	VALVS	1-CH-57	RSPLACS DIAPHRAN ON VALVS	OVERHAULSD VALVS	1	101021203	79
01/05/81	CH	VALVS	1-CH-59	RSPLACS DIAPHRAN ON VALVE	REPLACED DIAPHRAN	1	101021204	79
01/05/81	CH	VALVS	1-CH-45	RSPLACS DIAPHRAN ON VALVS	OVERHAULSD VALVS	1	101021206	79
01/05/81	CH	VALVS	1-CH-53	RSPLACS DIAPHRAN ON VALVS	OVERHAULSD VAL	1	101021207	79
01/05/81	CH	VALVS	1-CH-51	RSPLACS DIAPHRAN ON VALVE	REPLACED ORINGS AND DIAPHRAGM	1	101021208	79
01/05/81	CH	VALVE	1-CH-64	RSPLACS DIAPHRAN ON VALVE	OVERHAULSD VAL	1	101021209	79
01/06/81	BR	VALVS	1-BR-311	VALVS NEEDS HANDWHEEL	COMPLETD	1	005262115	159
01/06/81	CH	VALVE	1-CH-63	RSPLACS BOLTING	REPLACE STUDS	1	010131659	13
01/06/81	CH	VALVE	1-CH-56	RSPLACS BOLTING	REPLACED STUDS	1	010231657	671
01/06/81	DW	VALVS	1-DW-314	RSPLACS BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	011171028	48
01/06/81	BR	VALVS	TCV-BR-114A	RSPLACS BOLTING	REPLACE STUDS	1	011181548	428
01/06/81	BR	VALVS	LCV-BR104B	RSPLACS BOLTING	REPLACE STUDS	1	011191928	428
01/06/81	BR	VALVS	LCV-BR104A	RSPLACS BOLTING	REPLACE STUDS	1	011191929	428
01/06/81	BR	VALVS	TCV-BR114B	RSPLACS BOLTING	REPLACE STUDS	1	011191931	428
01/06/81	FC	VALVS	1-FC-47	RSPLACS BOLTING	REPLACE STUDS	1	012081114	24
01/06/81	FC	VALVS	1-FC-46	RSPLACS BOLTING	REPLACSD STUDS	1	012081122	20
01/06/81	FC	VALVS	1-FC-49	RSPLACS BOLTING	REPLACSD STUDS	1	012081123	14
01/06/81	FC	VALVS	1-FC-44	RSPLACS BOLTING	REPLACSD STUDS	1	012081124	20
01/06/81	FC	VALVS	1-FC-43	RSPLACS BOLTING	REPLACSD STUDS	1	012081125	20
01/06/81	FC	VALVS	1-FC-39	RSPLACS BOLTING	REPLACSD STUDS	1	012081136	20
01/06/81	FC	VALVS	1-FC-37	RSPLACS BOLTING	REPLACSD STUDS	1	012081138	20
01/06/81	FC	VALVS	1-FC-58	RSPLACS BOLTING	REPLACSD STUDS	1	012081143	20
01/06/81	FC	VALVS	1-FC-62	RSPLACS BOLTING	REPLACSD STUDS	1	012081144	20
01/06/81	CH	VALVS	1-CH-40	RSPLACS DIAPHRAN ON VALVE	OVERHAULSD VALVS	1	101021200	90
01/07/81	VA	PIPING	6-SAS-39	D/C 79-S32C INSTALL NEW SUPPORT	COMPLETS	1	005120707	1873
01/07/81	NS	PIPING	4-SDHV-4	D/C 79-S32C INSTALL SUPPORT MOD.	COMPLETS	1	005130702	1873
01/07/81	DA	PIPING	2-DA-21	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALLED SUPPORT	1	007071601	2180
01/07/81	NS	VALVS	1-NS-208	MUCH STEAM BLOWING FROM PACKING	CLEANSED VALVS RSPLACED GASKET	1	008101014	3588
01/07/81	FC	VALVS	1-FC-73	RSPLACS BOLTING	REPLACSD STUDS	1	012081101	59
01/07/81	FC	VALVS	1-FC-3	RSPLACS BOLTING	REPLACSD STUDS	1	012081104	8
01/07/81	FC	VALVE	1-FC-28	RSPLACS BOLTING	REPLACSD STUDS	1	012081128	59
01/07/81	FC	VALVE	1-FC-26	RSPLACS BOLTING	REPLACSD STUDS	1	012081129	59

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RSTS	SERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTDWTN
01/07/81		FC	VALVE	1-FC-69	RSPLACS BOLTING	REPLACED STUDS	1	012081133	51
01/07/81		FC	VALVE	1-FC-70	REPLACS BOLTING	REPLACED STUDS	1	012081134	59
01/07/81		FC	VALVE	1-FC-22	RSPLACS BOLTING	REPLACED STUDS	1	012081139	59
01/07/81		FC	VALVE	1-FC-2	RSPLACS BOLTING	REPLACED STUDS	1	012081141	59
01/07/81		FC	VALVE	1-FC-17	RSPLACS BOLTING	REPLACED STUDS	1	012081142	59
01/07/81		FC	VALVE	1-FC-23	REPLACS BOLTING	REPLACED STUDS	1	012081149	59
01/08/81		BD	PIPING	3-WGCB-2	D/C 79-S32C REMOVE SUPPORTS	SUPPORT REMOVED	1	004230722	552
01/08/81		CH	VALVE	MOV-1370	PACKING LEAK	ADJUSTED PACKING	1	005200234	5087
01/08/81		SW	VALVE	1-SW-25	VALVE WILL NOT SHUT COMPLETELY	REPAIRED OPEN CLOSED INDICATOR	1	006011516	11
01/08/81		CC	PUMP	1-CC-P-2B	PUMP IS NOISY	VOID WORKSD ON MR 1009140640	1	009110300	1
01/08/81		CH	VALVE	MOV-CH-1370	VALVE LEAKS BY	LAPPED VALVE	1	009172225	1491
01/08/81		CH	VALVE	1-CH-168	RSPLACS BOLTING	REPLACED STUDS	1	010231841	8
01/08/81		BR	VALVE	1-BR-301	RSPLACS BOLTING	REPLACS STUD ON VALVE	1	011191924	149
01/08/81		BR	VALVE	FCV-BR114B	RSPLACS BOLTING	REPLACED STUDS	1	011191930	8
01/08/81		BR	VALVE	FCV-BR149	RSPLACS BOLTING	REPLACED STUDS	1	011191933	10
01/08/81		PG	VALVE	1-PG-153	RSPLACS DIAPHRAGM	OVERHAULSD VALVE	1	101061310	22
01/08/81		BS	OTHER		LATCH BROKEN	REPAIRED LATCH	1	101061532	29
01/09/81		DG	PIPING	3-DG-26	D/C 79-S32C SUPPORT MOD.	COMPLTSD	1	004241054	2731
01/09/81		CH	PIPING	2-CH-59	D/C 79-S32C INSTALL SUPPPORT MOD.	INSTALLED SUPPORT	1	006050749	2233
01/09/81		NS	PIPING	3-NSL-1	D/C79-S32C INSTALL SUPPORT	COMPLTSD	1	009021408	600
01/09/81		CH	VALVE	1-CH-394	RSPLACS DIAPHRAM IN VALVE	RSBUILT VALVE	1	101021400	19
01/09/81		CH	VALVE	1-CH-63	RSPLACS DIAPHRAM IN VALVE	RSBUILT VALVE	1	101021413	20
01/09/81		CH	VALVE	1-CH-13	RSPLACS DIAPHRAM IN VALVE	OVERHAULSD VALVE	1	101021432	17
01/09/81		CH	VALVE	1-CH-6	RSPLACS DIAPHRAM IN VALVE	REPLACED DIAPHRAGM	1	101021439	20
01/10/81		CC	PIPING	6-CC-146	D/C 79-S32A INSTALL SWAY STRUT	COMPLTSD	1	009050713	2592
01/10/81		CH	VALVE	1-CH-55	RSPLACS BOLTING	REPLACED STUDS ON VALVE	1	010231656	35
01/10/81		FC	VALVE	1-FC-1	RSPLACS BOLTING	REPLACED STUDS ON VALVE	1	012081130	118
01/10/81		FC	VALVE	1-FC-16	RSPLACS BOLTING	REPLACED STUDS ON VALVE	1	012081132	118
01/11/81		CH	VALVE	1-CH-44	RSPLACS BOLTING	REPLACSD STUDS ON VALVE	1	010231653	122
01/11/81		IW	VALVE	1-IW-23	RSPLACS BOLTING	REPLACS STUDS	1	011171029	34
01/11/81		BR	VALVE	1-BR-64	RSPLACS BOLTING	REPLACS STUDS	1	011191908	34
01/11/81		BR	VALVE	1-BR-63	RSPLACS BOLTING	REPLACS STUDS	1	011191909	34
01/11/81		BR	VALVE	1-BR-286	RSPLACS BOLTING	REPLACS STUDS	1	011191916	34
01/11/81		RC	VALVE	1-RC-109	RSPLACS BOLTING	REPLACS STUDS	1	012101422	35
01/11/81		RC	VALVE	1-RC-112	RSPLACS BOLTING	REPLACS STUDS	1	012101423	35
01/11/81		RC	VALVE	1-RC-115	RSPLACS BOLTING	REPLACS STUDS	1	012101424	35
01/11/81		RC	VALVE	1-RC-108	RSPLACS BOLTING	REPLACS STUDS	1	012101425	35
01/11/81		RC	VALVE	1-RC-114	RSPLACS BOLTING	REPLACS STUDS	1	012101426	35
01/11/81		RC	VALVE	1-RC-118	RSPLACS BOLTING	REPLACS STUDS	1	012101427	35
01/11/81		RC	VALVE	1-RC-121	RSPLACS BOLTING	REPLACS STUDS	1	012101428	35
01/11/81		RC	VALVE	1-RC-120	RSPLACS BOLTING	REPLACS STUDS	1	012101429	35

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RSTS	SERVDT	SYS	COMP	MARKNO	SUMMARY	WKPSRF	U	NR	TOTDWN	IN
01/11/81	RC	VALVE	1-RC-124	RSPLACE BOLTING	REPLACE STUDS	1	012101430	35		
01/11/81	RC	VALVE	1-RC-151	RSPLACE BOLTING	REPLACE STUDS	1	012101431	35		
01/11/81	RC	VALVE	1-RC-152	RSPLACE BOLTING	REPLACE STUDS	1	012101432	35		
01/11/81	RC	VALVE	1-RC-153	RSPLACE BOLTING	REPLACE STUDS	1	012101433	35		
01/11/81	RC	VALVE	1-RC-113	RSPLACE BOLTING	REPLACE STUDS	1	012101437	35		
01/11/81	RC	VALVE	1-RC-119	RSPLACE BOLTING	REPLACE STUDS	1	012101438	35		
01/11/81	RC	VALVE	1-RC-125	RSPLACE BOLTING	REPLACE STUDS	1	012101439	35		
01/11/81	RM	PUMP	RM-GW-101/102	LOW FLOW	TIGHTENED PUMP BELT	1	101100700	31		
01/11/81	GW	PUMP	RM-GW-101	INSUFFICIENT FLOW	TIGHTEN BELT	1	101101140	34		
01/12/81	BD	PIPING	3-WGCB-106	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	005021130	164		
01/12/81	BD	PIPING	3-WGCB-1	D/C 79-S32C INSTALL SUPPORT	SUPPORT INSTALLED	1	009021401	1789		
01/12/81	CC	PIPING	6-CC-64	D/C 79-S32B INSTALL SHIM	COMPLETE	1	009161041	176		
01/12/81	FW	MOV	MOV-FW-151D	GROUND AND REPAIR WELDS	COMPLETED	1	009241901	1269		
01/12/81	RC	VALVE	HCV-1550	RSPLACE BOLTING	REPLACED STUDS	1	012101405	19		
01/12/81	RC	VALVE	HCV-1519B	RSPLACE BOLTING	REPLACE STUDS	1	012101414	19		
01/12/81	RC	VALVE	1-RC-159	RSPLACE BOLTING	REPLACE STUDS	1	012101436	19		
01/12/81	RC	VALVE	1-RC-141	RSPLACE BOLTING	REPLACED STUDS	1	012101440	42		
01/12/81	RC	VALVE	1-RC-158	RSPLACE BOLTING	REPLACED STUDS	1	012101441	42		
01/12/81	SI	MOV	1867A	CHECK THE MECH OPERATION	GREASED MOV	1	012180925	44		
01/12/81	SI	MOV	1867B	CHECK MECH OPERATION	GREASED MOV	1	012180926	44		
01/12/81	SI	MOV	1867C	CHECK MECH OPERATION	GREASED MOV	1	012180927	44		
01/12/81	SI	MOV	1867D	CHECK MECH OPSR	GREASED MOV	1	012180928	44		
01/12/81	CH	VALVE	1-CH-413	DIAPHRAM BROKEN VALVE DOES NOT HOLD	COMPLETED	1	101071416	66		
01/12/81	FW	MOV	MOV-FW-151B	LEAKS THRU	COMPLETED	1	905180840	1269		
01/13/81	CV	VALVE	TV-CV-10C	EXCESSIVE LEAKAGE	DISASSY VALVE	1	012051200	690		
01/13/81	RC	VALVE	HCV-1523	RSPLACE BOLTING	REPLACED STUDS ON VALVE	1	012101403	43		
01/13/81	RC	VALVE	HCV-1522A	RSPLACE BOLTING	REPLACE STUDS	1	012101418	43		
01/13/81	RC	VALVE	HCV-1522B	RSPLACE BOLTING	REPLACE STUDS	1	012101417	43		
01/13/81	RC	VALVE	HCV-1522C	RSPLACE BOLTING	REPLACE STUDS	1	012101418	43		
01/13/81	RC	VALVE	1-RC-143	RSPLACE BOLTING	REPLACE STUDS	1	012101434	60		
01/14/81	BD	PIPING	3-WGCB-2	D/C 79-S32C INSTALL SUPPORT MOD.	SUPPORT INSTALLED	1	007021015	719		
01/14/81	RC	VALVE	HCV-1549	RSPLACE BOLTING	REPLACS STUDS	1	012101404	81		
01/14/81	FW	HT EXCH	1-FW-P-3B	HEAD ON COOLER BROKEN	REMOVED HEAD BRAZED TOGETH	1	101130846	33		
01/14/81	FW	HX	1-FW-3A	REPAIR BROKEN LUBE OIL COOLER	REPLACED GASKET AT HEAD	1	101130847	31		
01/15/81	CH	VALVE	1-CH-62	RSPLACS DIAPHRAM IN VALVE	COMPLETED	1	101021414	161		
01/15/81	CH	VALVE	1-CH-56	RSPLACS DIAPHRAM IN VALVE	COMPLETED	1	101021419	161		
01/15/81	CH	VALVE	1-CH-55	RSPLACS DIAPHRAM IN VALVE	COMPLETED	1	101021420	161		
01/15/81	CH	VALVE	1-CH-50	RSPLACS DIAPHRAM IN VALVE	COMPLETED	1	101021423	161		
01/15/81	BD	VALVE	1-BD-6	VALVE LEAKING BT	REPLACED VALVE	1	002200737	28		
01/16/81	SI	VALVE	MOV-1865-A	RSPLACE BOLTING	REPLACE STUDS	1	012051106	79		
01/16/81	SI	VALVE	MOV-1865-B	RSPLACE BOLTING	REPLACE STUDS	1	012051107	79		
01/16/81	SI	VALVE	MOV-1865-C	RSPLACE BOLTING	REPLACS STUDS	1	012051108	78		
01/16/81	MS	PIPING	1-MS-346	RSPLACS 1-MS-346	INSTALLED NEW VALVE	1	101101253	150		

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RTSSRVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTDWNM
01/16/81	FP	PUMP	1-FP-P-2	JOINT LEAKS	REPLACED EXPANSION JOINT	1	101152245	14
01/16/81	FP	PUMP	1-FP-2	BEARING IS RUNNING HOT	CLEANED BARRING	1	101152247	14
01/17/81	RC	VALVE	1-RC-142	REPLACE BOLTING	REPLACED STUDS	1	012101442	42
01/17/81	SS	VALVE	RV-55-108	SSAL ON RELIEF VALVE LEAKING	CLEANED INTERNALS OF VALVE	1	101151600	10
01/18/81	CH	MOV	MOV-1289A	PACKING LEAKING	TIGHTENED PACKING GLAND	1	007091224	56
01/18/81	CH	VALVE	1-CH-119	REPLACE BOLTING	REPLACED BOLTING	1	010231711	30
01/18/81	CH	VALVE	1-CH-122	REPLACE BOLTING	REPLACED BOLTING	1	010231713	30
01/18/81	CH	VALVE	1-CH-123	REPLACE BOLTING	REPLACED BOLTING	1	010231714	36
01/18/81	DW	VALVE	1-DW-310	REPLACE BOLTING	REPLACE STUDS	1	011171030	36
01/18/81	BR	VALVE	1-BR-72	REPLACE BOLTING	REPLACED BOLTING	1	011191902	30
01/18/81	BR	VALVE	1-BR-75	REPLACE BOLTING	REPLACE STUDS	1	011191903	24
01/18/81	BR	VALVE	1-BR-73	REPLACE BOLTING	REPLACED BOLTING	1	011191904	30
01/18/81	FP	DISSSL	1-FP-P-2	JOINT EXHAUST SPLIT	REWELDED JOINT	1	101152246	62
01/19/81	BD	PIPING	3-WGCB-2	D/C 79-S32C INSTALL SUPPORT MOD.	SUPPORT INSTALLED	1	005051401	817
01/19/81	NS	PIPING	3-NSL-4	D/C 79-S32C INSTALL SUPPORT	COMPLETE	1	009021412	839
01/19/81	DW	VALVE	1-DW-184	REPLACE BOLTING	REPLACED STUDS	1	011171033	1
01/19/81	DW	VALVE	1-DW-337	REPLACE BOLTING	REPLACED STUDS AND NUTS IN VALVE	1	011171042	1038
01/19/81	DW	VALVE	1-DW-179	REPLACE BOLTING	REPLACED STUDS	1	011171052	1
01/19/81	DW	VALVE	1-DW-105	REPLACE BOLTING	REPLACED STUDS	1	011171055	1
01/19/81	BR	VALVE	1-BR-55	REPLACE BOLTING	REPLACED BOLTING	1	011191907	50
01/19/81	RM	MONITOR	RM-GW-159-160	INSUFFICIENT FLOW	CHANGE PUMP	1	101160548	62
01/20/81	CH	PIPING	2-RV-33	D/C 79-S32C INSTALL SUPPORT MOD.	INSTALLED SUPPORT	1	006131702	2490
01/20/81	SI	VALVE	1-SI-28	REPLACE BOLTS	HAS NO BOLTS TO REPLACE	1	010011332	1733
01/20/81	DW	VALVE	1-DW-322	REPLACE BOLTING	REPLACE STUDS	1	011171051	60
01/20/81	BR	VALVE	1-BR-311	REPLACE BOLTING	REPLACE STUDS	1	011191846	60
01/20/81	BR	VALVE	1-BR-310	REPLACE BOLTING	REPLACE STUDS	1	011191849	60
01/20/81	BR	VALVE	1-BR-327	REPLACE BOLTING	REPLACE STUDS	1	011191855	60
01/20/81	BR	VALVE	1-BR-71	REPLACE BOLTING	REPLACED BOLTING	1	011191901	78
01/20/81	BR	VALVE	1-BR-285	REPLACE BOLTING	REPLACED BOLTING	1	011191917	78
01/20/81	FW	VALVE	MOV-FW-260B	VALVE BINDS UNABLE TO CLOSE	CLEANED STEM THREADS	1	101131200	155
01/20/81	BS	DOOR		RESEAL DOORS	REPAIRED + RESEALED DOORS	1	101192230	22
01/20/81	BS	DOOR	FRS DOOR 23	RESEAL DOORS	COMPLETED	1	101192233	22
01/21/81	BR	VALVE	1-BR-307	REPLACE BOLTING	REPLACED BOLTING	1	011191900	78
01/22/81	BD	PIPING	3-WGCB-3	D/C 79-S32C INSTALL SUPPORT MOD.	SUPPORT INSTALLED	1	007021016	910
01/22/81	DW	VALVE	1-DW-455	REPLACE BOLTING	REPLACED STUDS AND DIAPHRAM	1	011171014	36
01/22/81	DW	VALVE	1-DW-456	REPLACE BOLTING	REPLACED STUDS AND DIAPHRAM	1	011171015	36
01/22/81	DW	VALVE	1--DW-435	REPLACE BOLTING	REPLACED STUDS AND DIAPHRAM	1	011171036	36
01/22/81	FP	PUMP	FP-P-2	BEARING RUNNING HOT	RUN PUMP FOR ONE HALF HOUR	1	101162040	42
01/22/81	CC	VALVE	1-CC-185	VALVE DOES NOT STOP FLOW LEAKS	REMOVED VALVE FROM SYSTEM FOR IKSPEC	1	908261048	1896
01/23/81	CH	PUMP	1-CH-P-1A	PUMP GEAR BOX LEAKING	CLEANED PUMP	1	006270613	165

UNIT1- 2/09/81
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGES OR REDUCED POWER PERIODS)

RSTS/RVDT	SYS	COMP	MARKNO	SUMMARY	WRPFRF	U	MR	TOTDWN
01/23/81	CH	PIPING		LINES NEED PERMANENT LAGGING	INSULATED LINES AS REQUIRED	1	011270231	1188
01/23/81	CH	VALVES		VALVES NEED LAGGING	CORRECTED PROBLEM WITH INSULATION	1	011270232	1188
01/23/81	CH	PUMPS	1-CH-P-2A	PUMPS NEED INSULATED BOXES	BUILT + INSULATED PUMP COVERS	1	011270233	1188
01/23/81	CH	PUMPS	1-CH-P-2B	PUMPS NEED INSULATED BOXES	BUILT + INSULATED PUMP COVERS	1	011270234	1188
01/23/81	CH	PUMPS	1-CH-P-2D	PUMPS NEED INSULATED BOXES	BUILT BOXES + INSULATED THEM	1	011270235	1188
01/23/81	CH	VALVE	1-CH-49	REPLACE DIAPHRAM IN VALVE	REPLACED DIAPHRAM IN VALVE	1	101021424	347
01/23/81	BR	PUMP	1-BC-P-58	PUMP HAS BAD NOISY	INSPECTED PUMP + LINES	1	912052311	143
01/24/81	BD	PIPING	3-WCCB-2	D/C 79-S32C INSTALL SUPPORT	INSTALL HANGER TO SKETCH	1	005021600	2203
01/24/81	DG	PIPING	3-DG-23	D/C79-S32C INSTALL SUPPORT	COMPLETE	1	009021413	2073
01/24/81	CV	PUMP	1-CV-P-1A	PUMP CAUSING MOTOR OVERLOAD	CHANGED OUT 1-CV-P-1A	1	101170742	64
01/25/81	IW	VALVE	1-IW-258	REPLACE BOLTING	REPLACED STUDS	1	011171022	58
01/25/81	IW	VALVE	1-IW-259	REPLACE BOLTING	REPLACE STUDS	1	011171023	58
01/25/81	BR	VALVE	1-BR-291	REPLACE BOLTING	REPLACE STUDS	1	011191532	73
01/25/81	BR	VALVE	1-BR-255	REPLACE BOLTING	REPLACE STUDS	1	011191538	62
01/25/81	BR	VALVE	1-BR-264	REPLACE BOLTING	REPLACE STUDS	1	011191701	62
01/25/81	BR	VALVE	1-BR-263	REPLACE BOLTING	REPLACE STUDS	1	011191703	74
01/25/81	BR	VALVE	1-BR-326	REPLACE BOLTING	REPLACED BOLTING	1	011191815	109
01/25/81	BR	VALVE	1-BR-308	REPLACE BOLTING	REPLACED BOLTING	1	011191905	703
01/26/81	RC	VALVES	2-RC-1595	REMOVES BONNET + OPEN VALVE	INSPECTED VALVE	1	012010800	594
01/26/81	FC	PUMP	1-FC-P-3A	PUMP GEARBOX VERY NOISY	REPLACED BEARING	1	101050400	471
01/26/81	CH	PUMP	1-CH-P-1A	LEAK ON PUMP CASING	SEALED BOLT HOLES 10	1	912151201	233
01/27/81	BR	PIPING		LINES AND VALVES NEED PERM LAGGING	REINSULATED PER INSTRUCTED	1	011270241	1298
01/27/81	CV	VALVE	TV-CV-150C	VALVE LEAKS	DISASSEMBLES LAP SEAT REPLACE GASKETS	1	101160718	244
01/27/81	CH	PIPING	1-CH-229 139	HEAT TRACED PIP IS NOT INSUL	REINSULATED PIPING	1	101201747	124
01/27/81	CH	PIPING	2-CH-196	HEAT TRAC PIPING IS NOT INSUL	REINSULATED PIPING	1	101201748	124
01/27/81	CH	PIPING	2-CH-57	PIPING IS NOT INSULATED	REINSULATED PIPING	1	101201749	124
01/27/81	CH	PIPING	2-CH-42	PIPING IS NOT INSULATED	REINSULATED PIPING	1	101201750	124
01/28/81	CH	PIPING	2-CH-59-152	CANNOT GET FLOW THRU LINS	OPENED LINS VALVE AND CHECKED FOR	1	006110720	288
01/28/81	CH	VALVE	MOV-CH-1275B	OVERHAUL	OVERHAULLED VALVE	1	010291305	594
01/28/81	BR	VALVE	1-BR-4	REPLACE BONNET	REPLACED DIAPHRAM	1	101020715	627
01/28/81	BR	VALVE	11-BR-3	VALVE LEAKS BY WHEN VALVE SHUT	REPLACED DIAPHRAM AND STEM	1	101190656	199
01/29/81	GW	PIPING	2-GW-21	D/C 79-S32C INSTALL SUPPORT	COMPLETED	1	005011034	3206
01/30/81	RH	PIPING	H-5	PREP HANGER	COMPLETED AS ABOVE	1	010240642	2347
01/30/81	IW	VALVE	1-IW-17	REPLACE BOLTING	REPLACE STUDS	1	011171048	22
01/30/81	BR	VALVE	1-BR-181	REPLACE BOLTING	REPLACE STUDS	1	011191752	1341
01/30/81	BR	VALVE	1-BR-174	REPLACE BOLTING	REPLACE STUDS	1	011191753	18
01/30/81	BR	VALVE	1-BR-317	REPLACE BOLTING	REPLACE STUDS	1	011191812	18
01/31/81	BR	VALVE	RCV-BR-106B	REPLACE BOLTING	REPLACE STUDS	1	011181555	21

DSPT TOTAL

88953

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DSPT=ENG

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UNIT1- 2/09/81
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RTS\$SRVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	NR	TOTDWTM
01/28/81	CH	INSTR	1-CH-P-1A	CONDUCT STUDY	REPAIRED HANGERS TO PCV AS110A	1	101251200	68
DSPT TOTAL								68

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance

None during this reporting period.

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

UNIT1- 2/09/81
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RSTSBRVDT	SYS	COMP	MARKNO	SUMMARY	WKPSRF	U	MR	TOTDWTM
01/03/81	SI	MOV	MOV-1842	PERFORM PMS	COMPLETED AS PER PMS	1	009070001	275
01/03/81	SI	MOV	MOV-1890C	PERFORM PMS	COMPLETED AS PER PMS	1	009070002	1
01/03/81	SI	MOV	MOV-1869B	PERFORM PMS	COMPLETED AS PER PMS	1	009070009	275
01/03/81	SI	MOV	MOV-1869A	PERFORM PMS	COMPLETED AS PER PMS	1	009070010	275
01/03/81	SI	MOV	MOV-1864A	PERFORM PMS	COMPLETED AS PER PMS	1	009070018	1
01/03/81	SI	SOLOINOID	TV-SI-1889C	VENTS CONTINUOUSLY	COMPLETED AS PER SMP-C-SOV	1	012220117	29
01/04/81	SW	MOV	MOV-SW-107A	PERFORM PMS	VALVE HAS BSS REPLACED WITH HAND OPS	1	009082251	1
01/05/81	CC	PMP NTR	1-CC-P-1A	REPLACES INBOARD THERMO	REPLACED THERMOCOUPLE	1	101081728	42
01/06/81	CH	PUMP	1-CH-P-1A	REPAIR INBD BEARING	FOUND NO DAMAGE	1	012150800	1
01/06/81	SS	VALVE	TV-SS-103	VALVE DOES NOT RESPOND	ADJUSTED LIMITS OPERATION SATIS	1	101051429	13
01/08/81	CH	SOV	HCV-1200B	ATTEMPTED TO OPERATE BOTH	REPLACED COIL OPERATED SAT	1	101061511	23
01/09/81	CH	VALVE	FCV-CH-1114B	VALVE JUST REBUILT	ADJUSTED LIMITS	1	011130730	1309
01/09/81	RP	BKR	RTA RTB BYA BY	INSPECT BREAKERS	INSPECTED	1	101091036	2
01/10/81	CH	MOV	MOV-CH-1379	DISCONNECT MOV FOR MSCH	DISCONNECT MOV	1	012141150	661
01/16/81	CV	PMP NTR	1-CV-P-1B	REPLACES MOTOR	REPLACED WITH NEW MOTOR	1	011031300	69
01/17/81	ES	BATT CHA		LO VOLTAGE ON 1 BDG BATT	REPLACED DAMAGE WIRING	1	101161415	19
01/20/81	CH	MOV	1373	DISCONNECT FOR MECHS	RECONNECTED MOV	1	012291116	510
01/22/81	SI	INSTR	SOV-SI-101B	UNISTRUT STOOP MISSING	STRAIGHTENED PIPE AND REPLACED STRAP	1	101201709	31
01/22/81	SS	INSTR	SOV-SS-106B1	BROKEN LIQUID TIGHT AND BACK OF COMP	REPAIRED BROKEN LIQUID TIGHT	1	101201710	27
01/23/81	SS	INSTR	SOV-SS-101B1	INSTRU AND CONDUIT BENT ST-104	TIGHTEN CONDUIT	1	101201711	30
01/24/81	SI	PMP NTR	1-SI-P-1B	RELUBRICATE WITH NEW HIGH	INSTALLED NEW HIGH RAD LUBRICANTS	1	101052120	438
01/26/81	RC	MOV	MOV-1595	PERFORM PMS	COMPLETED AS PER PMS PROCEDURE	1	009070041	8
01/26/81	RC	MOV	MOV-1595	5LSC TO UNCOUPLE MOV FOR MSCH	COMPLETED AS PER SMP-C-NOV11	1	012011540	607

DSPT TOTAL								4647

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- 2/09/81
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RSTS	SRVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWHM
01/12/81		RN	MONITOR	RN-CW-101/102	ALARM SETPOINT READ HIGH	ADJUSTED ALARM SETPOINT	1	101090212	5
01/16/81		MS	INSTR	PT486-494-495-	LINEs + TRANSMIT FROZEN	DRAINED AND VENTED XMTRX	1	101131400	47
01/22/81		RC	INSTR	Y1-VMS-100A	INDICATES PARTIAL OPEN	REPLACED INDICATOR	1	008211235	3671
01/22/81		RP	OTHER		REPAIR HAPAN MODULES	REPAIRED MODULES NEEDED	1	010091027	2488
01/24/81		RN	MONITOR	1-RN-CC-106	SETPOINT > TWICE BACKGR	SETPOINT NOT GREATER THAN TWICE BACK	1	101220630	33
01/24/81		RN	MONITOR	1-RN-CC-105	SETPOINT > TWICE BACKGROUND	ADJUSTED SETPOINT	1	101220631	33
01/28/81		BR	VALVE	PCV-BR-114	CHECK OPER OF PCV	TUNED CONTROLLER	1	012160100	3
01/28/81		BR	INSTR	LCV-BR101	VALVE ON CONTROLLER IMPROPER	NO PROBLEMS	1	012260601	18
DSPT TOTAL									----- 6298

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

Unit #2

Instrument Maintenance

None during this reporting period.

JANUARY, 1981

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.

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

JANUARY, 1981

<u>No.</u>	<u>Unit</u>	<u>Title</u>	<u>Date Deviated</u>	<u>Date SNSOC Reviewed</u>
PT-24.14	N/A	Fire Protection System- Security Halon System	12-17-80	1-8-81
MOP-1.5	1	Removal of Safety Related Heat Exchanger	10-22-79	1-8-81
OP-8.8	1	Operation of Excess Letdown	10-22-79	1-8-81
OP-14	1	Residual Heat Removal System	10-22-79	1-8-81