VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 79-04

APRIL, 1979

APPROVED:

MANAGER

7905150 515

CONTENTS

OPERATING DATA REPORT

DOCKET NO. 50-2[illegible]
DATE 03 MAY 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME — SURRY UNIT 1
2. REPORTING PERIOD — 479
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	719.0	2879.0	55703.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1713.6	37413.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	1711.7	36570.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	4159617.0	84515570.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	1335155.0	27642738.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	1268264.0	26239983.0
19. UNIT SERVICE FACTOR	0.0	59.4 o/o	65.7 o/o
20. UNIT AVAILABILITY FACTOR	0.0	59.4 o/o	65.7 o/o
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	56.8 o/o	60.8 o/o
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	53.6 o/o	57.3 o/o
23. UNIT FORCED OUTAGE RATE	100.0 o/o	40.5 o/o	16.6 o/o

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 — JUNE 1, 1979

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 03 MAY 79
COMPLETED BY O.J. COSTELLO
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 2	
2. REPORTING PERIOD	479	
3. LICENSED THERMAL POWER (MWT)	2441	NOTES
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	

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	719.0	2879.0	52583.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	819.4	34499.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	818.9	33996.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	1957906.0	79194083.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	644305.0	25868844.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0.0	611521.0	24536605.0
19. UNIT SERVICE FACTOR	0.0	28.4 o/o	64.7 o/o
20. UNIT AVAILABILITY FACTOR	0.0	28.4 o/o	64.7 o/o
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	27.4 o/o	60.2 o/o
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	25.8 o/o	56.8 o/o
23. UNIT FORCED OUTAGE RATE	0.0	0.0	21.0 o/o

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 9-21-79

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-280
UNIT NAME SURRY 1
DATE MAY 1, 1979
COMPLETED BY (804) 357-3184
TELEPHONE

REPORT MONTH APRIL 1979

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
79-3	4-1-79	F	719	D	1				Continuation of shutdown due to Show-Cause order issued by NRC concerning possible error in piping stress analysis performed by Stone & Webster which began on 3-15-79. Analysis is being performed for submittal to NRC.

1
F: Forced
S: Scheduled

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

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

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

5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-281
UNIT NAME SURRY 2
DATE MAY 1, 1979
COMPLETED BY O. J. COSTELLO
TELEPHONE (804) 357-3184

REPORT MONTH APRIL 1979

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
79-3	4-1-79	S	719	C	1				Continuation of shutdown for refueling and steam generator replacement began on 2-4-79. Expected date of outage completion is 09-21-79.

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)

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1 MONTH: APRIL, 1979

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWH	REASON
		NONE DURING THIS REPORTING PERIOD.				
				MONTHLY TOTAL	0	

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2 MONTH: APRIL, 1979

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWH	REASON
			NONE DURING THIS REPORTING PERIOD.			
				MONTHLY TOTAL	0	

DOCKET NO 50-280
UNIT SURRY I
DATE 5-1-79
COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: APRIL 1979

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 5-1-79
COMPLETED BY O J COSTELLO

AVERAGE DAILY UNIT POWER LEVEL

MONTH: APRIL 1979

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.

SUMMARY OF OPERATING EXPERIENCE

APRIL, 1979

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

April 1 - This reporting period begins with the unit at cold shutdown and piping stress analysis in progress.

April 30 - This reporting period ends with the unit at cold shutdown.

UNIT 2

April 1 - This report begins with the unit at cold shutdown, all fuel removed from the reactor and steam generator replacement in progress.

April 30 - This reporting period ended with the unit at cold shutdown.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

APRIL, 1979

None during this reporting period.

FACILITY CHANGES REQUIRING
NRC APPROVAL

APRIL, 1979

None during this reporting period.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

APRIL, 1979

A. The following facility change was implemented during the month of April.

Design Change		Unit
1.	DC-78-21A - Condenser Rebuilding (Pre-Outage Work)	1

This design change segment prefaced the actual work involved with dismantling and rebuilding the condenser.

Summary of Safety Evaluation

This modification fragmented or in its entirety does not constitute a safety problem. The system is being rebuilt to the original design criteria and will have no effect upon plant operations or operation of safety related equipment.

TESTS AND EXPERIMENTS REQUIRING NRC APPROVAL

APRIL, 1979

None during this reporting period.

TEST AND EXPERIMENTS THAT DID NOT REQUIRE NRC APPROVAL

APRIL, 1979

None during this reporting period.

OTHER CHANGES, TESTS AND EXPERIMENTS

APRIL, 1979

None during this reporting period.

SURRY POWER STATION

CHEMISTRY REPORT

APRIL , 19 79

T.S.6.6.A.11

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., μCi/ml	3.58E-2	3.86E-3	1.40E-2	2.42E-3	6.45E-5	1.52E-3
Suspended Solids, ppm	0.2	0.1	0.1	0.5	0.0	0.1
Gross Tritium, μCi/ml	*	*	*	*	*	*
Iodine-131, μCi/ml	*	*	*	*	*	*
I-131/I-133	*	*	*	*	*	*
Hydrogen, cc/kg	*	*	*	*	*	*
Lithium, ppm	*	*	*	*	*	*
Boron-10, ppm +	274	250	261	428	46	293
Oxygen-16, ppm	5.0*	0.01	1.29	10.5*	0.8	4.4
Chloride, ppm	0.07	0.05	0.05	0.05	0.05	0.05
pH @ 25°C	6.16	5.64	5.88	6.18	4.60	5.21

+ Boron-10 = Total Boron x 0.196

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

Phosphate	58	Boron	524
Sulfate	112	Chromate	0.00
50% NaOH	350	Chlorine	0.0

Remarks: * Unit at cold shutdown.

DESCRIPTION OF ALL INSTANCES WHERE THERMAL DISCHARGE LIMITS WERE EXCEEDED

APRIL, 1979

None during this reporting period.

FUEL HANDLING

APRIL, 1979

There was no new fuel received during this reporting period.

UNIT 1

FUEL HANDLING
APRIL, 1979

DATE SHIPPED/RECEIVED	NO OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVE

None during this reporting period.

UNIT 2
FUEL HANDLING
APRIL, 1979

DATE SHIPPED/RECEIVED	NO OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVE

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE OPERATING MODE DESCRIBED IN THE FSAR

APRIL, 1979

None during this reporting period.

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

APRIL, 1979

PT-24.4H – Fire Protection Systems (Hose Houses) was not completed when scheduled (04-03-79). The test requires that a monthly inspection be made to assure all fire protection hoses and hydrants are properly installed and operational. The inspection was completed on 04-23-79, 13 days beyond the grace period allowed. Conditions were satisfactory.

PT-24.8 – Fire Protection Systems (Fire Lockers) was not completed when scheduled (04-10-79). The test requires a monthly inspection to determine if all equipment required is in the fire locker and that it is in satisfactory condition. The inspection was completed on 04-24-79, 7 days beyond the grace period. Conditions were satisfactory.

INSERVICE INSPECTION

APRIL, 1979

A 100% eddy current inspection was performed on replacement steam generators for Unit 2 - No. 2972 and 2973. This inspection was conducted for baseline information only, in accordance with VEPCO NDT Procedure 14.1.

Also completeted the ISI item covered in NRC IE Circular No. 76-06 concerning the ultrasonic examination of 10 low point welds in the Recirculation Spray System and 10 low point welds in the Containment Spray System.

The inspection was satisfactory with no reportable items noted.

UNIT2-
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/17/79	CS	PIPING		UT 10 WELDS IN LOW POINT AREAS	SATISFACTORY INSPECTION COMPLETE	2	901261516	1704
04/17/79	RS	PIPING		UT 10 WELDS IN LOW POINT AREAS	SATISFACTORY INSPECTION COMPLETE	2	901261516	1704
04/17/79	RC	PZR	2-RC-E-2	PZR SAFE WELD PT INDICATION INVESTIG	NO REPORTABLE INDICATIONS	2	902211330	1314
DEPT TOTAL								4722

REPORTABLE OCCURRENCES PERTAINING TO ANY OUTAGE OR POWER REDUCTIONS

APRIL, 1979

None during this reporting period.

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Mechanical Maintenance

UNIT1-
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/02/79	HSS	SNUBBER	1-SHP-HSS-32	REPLACE SNUBBER 6 INCH	INSTALLED REBUILT SNUBBER	1	903202141	151
04/02/79	HSS	SNUBBER	1-SHP-28	REPLACE SNUBBER 6 INCH	INSTALLED REBUILT SNUBBER	1	903202148	151
04/02/79	HSS	SNUBBER	1-SHP-31	REPLACE SNUBBER 6 INCH	INSTALLED REBUILT SNUBBER	1	903202149	151
04/10/79	RC	VALVE	PCV-1455C	VALVE HAS AIR LEAK ON DIAPRAGM	INSPECTED+TESTED TEST SAT	1	904061200	27
04/11/79	EE	DIESEL	EDG1	CHROMATES ARE LOW ADD	ADDED 6 POUND OF POTASSIUM CHROMATE	1	90410345	3
04/11/79	RH	VALVE	FCV-1605	VALVE STEM SEPERATED FROM ACTUATOR	INSPECTED SAT	1	805222015	1
04/11/79	RH	VALVE	1-RH-27	PACKING LEAK	ADJUSTED PACKING	1	904041530	1
04/13/79	AQ	PUMP	1-SW-P-10B	HAS NO DISCH PRESSURE-NOISEY	OVERHAUL PUMP	1	904130601	14
04/17/79	RH	VALVE	MOV-1701	ADJUST PACKING	RENEWED PACKING	1	904111317	36
04/17/79	RH	VALVE	1-RH-2	ADJUST PACKING	REPLACED PACKING	1	904111320	17
04/19/79	HR	VALVE	HCV-1758	PACKING LEAK	RENEWED IN UPPER HALF OF GLAND	1	904041521	194
04/19/79	RH	VALVE	MOV1720B	ADJUST PACKING	RENEW THREE RINGS OF PACKING	1	904111315	77
04/20/79	FW	TURB	1-FW-T-2	VARIOUS REPAIRS	REPAIRED AND TESTED GOV TRIP VALVE	1	810040500	740
04/20/79	MS	VALVE	1-MS-118	BODY TO BONNET LEAK	REPAIRED VALVE	1	901151140	737
04/21/79	RH	VALVE	1-RH-8	ADJUST PACKING	REPLACED PACKING	1	904111322	2
04/21/79	RH	VALVE	1-RH-15	ADJUST PACKING	REPLACED PACKING	1	904111325	2
04/21/79	RH	VALVE	1-RH-12	HAND WHEEL YOKE BUSHING BAD	REPLACED KEY STOCK	1	904140545	2
04/25/79	BR	VALVE	1-BR-125	CANNOT OPERATE VALVE STUCK	FREED STUCK VALVE	1	904211420	25
04/25/79	EE	PUMP		REPLACE PUMP COUPLING	REPLACED COUPLING	1	904240425	21
04/25/79	EE	COMPRESS	1-EE-C-1A	COMPRESSOR DISCHARGE VALVE LEAKS BY	RENEWED VALVE	1	904250400	1
04/17/79	RH	Valve	1-RH-6	Adjust Packing	Replaced Packing	1	904111321	17
Dept. Total								2370

Maintenance of Safety Related Systems During Outage or Reduced Power Periods

UNIT #2

Mechanical Maintenance

UNIT2- [illegible]
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/02/79	CS	PUMP	2-CS-P-3	OIL SEAL LEAKS	REPLACED OIL SEAL	2	903242135	5
04/09/79	MS	VALVE	2-MS-111	RECONDITION+RESEAT VALVE	RESEATED AND REPACKED	2	902250013	948
04/09/79	MS	VALVE	2-MS-87	REPACK+RESEAT+RECOND VLV	LAPPED SEATS AND DISC TO 100 / CONT	2	902250019	974
04/09/79	MS	VALVE	2-MS-76	RECONDITION VLV AND RESEAT	RESEATED AND REPACKED	2	902250025	948
04/09/79	MS	VALVE	2-MS-108	RECONDITION+RESEAT VLV	RESEATED AND REPACKED	2	902250027	948
04/09/79	MS	VALVE	2-MS-144	RECONDITION+RESEAT VLV	RESEATED AND REPACKED	2	902250033	948
04/09/79	MS	VALVE	2-MS-145	RECONDITION+RESEAT VLV	RESEATED AND REPACKED	2	902250035	948
04/10/79	HSS	SNUBBER	2-SI-HSS-23	REBUILD WITH EP MATERIAL	REBUILT SNUBBER WITH EP MATERIALS	2	807111305	200
04/10/79	CH	PUMP	2-CH-P+1D	NO DISCHARGE PRESSURE	REBUILT PUMP	2	904052000	72
04/11/79	HSS	SNUBBER	2-SI-HSS-20	REBUILD WITH EP MATERIAL	REBUILT WITH EP MATERIAL	2	807111300	1015
04/11/79	EE	DIESEL	2EDG	CHROMATES ARE LOW ADD	ADD 1+3/4 POUNDS OF POTASSIUM CHROMA	2	904101325	3
04/12/79	SI	MOV	MOV-2867B	REPACK MOV	ADJ PACKING	2	812121350	2
04/12/79	SI	MOV	MOV-2867A	REPACK MOV	ADJ PACKING	2	812121355	2
04/12/79	RM	PUMP	RM-259	NO FLOW OR VACUUM	INSTALLED REBUILT PUMP	2	904080715	10
04/15/79	DA	VALVE	2-DA-44	REPLACE DIAPHRAGM	REPAIRED VALVE	2	902151426	93
04/21/79	MS	VALVE	2-MS-378	VALVE LEAKS THROUGH	RECONDITION VALVE	2	902141417	775
04/21/79	MS	VALVE	2-MS-377	VALVE LEAKS THROUGH	RECONDITION VALVE	2	902141419	799
DEPT TOTAL								8695

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #1

Electrical Maintenance

DEPT=ELEC 1 MAY 79

UNIT1- [illegible]
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/02/79	EPH	BREAKER	15E1	PERFORM PMS	PERFORM PMS	1	903272000	135
04/02/79	LW	INST	1-HCV-LW-104	CHANGE OUT SOV FOR HCV-CW-104A	REPLACED SOV+TESTED	1	903310330	56
04/03/79	CH	HT	PNLBCKT26	CHECK HEAT TRACING	AMPS CHECKED GOOD	1	904021440	2
04/10/79	VS	MOV	MOV-VS-104A	MOV LIMIT SWITCHED NOT LINING PROPER	CYCLED VALVE NO PROBLEM	1	904090935	7
04/17/79	RM	PMP MTR	RM 159	PMP MTR BKR WLL NOT STAY IN RUN	INSTALLED REBUILT PUMP	1	904080711	5
04/17/79	RIS	ALARM	ALARM F8	PANEL A ALARM F8 WILL NOT CLEAR	CLEANED+ADJUSTED SWITCH	1	904170753	4
04/18/79	RIS	ALARM	PNLAF-7	ALARM WILL NOT CLEAR	SET LS TEST SAT	1	904160630	32
DEPT TOTAL								241

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Electrical Maintenance

UNIT2-
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/02/79	EPH	BREAKER	25G2	BREAKER PMS	PERFORMED PMS+TESTED BREAKER	2	901251339	227
04/02/79	EPH	BREAKER	25G3	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251340	283
04/02/79	EPH	BREAKER	25G7	BREAKER PMS	CLEANED TESTED+INSPECTED	2	901251343	227
04/02/79	EPH	BREAKER	25H5	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251353	847
04/02/79	EPH	BREAKER	25H6	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251354	609
04/02/79	EPH	BREAKER	25J2	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251359	825
04/02/79	SW	MOV	MOV-SW-203A	MOV PMS	COMPLETED PMS SAT	2	901251523	1158
04/02/79	SW	MOV	MOV-SW-203B	MOV PMS	COMPLETED PMS SAT	2	901251524	486
04/02/79	SW	MOV	MOV-SW-203C	MOV PMS	PMS SAT	2	901251525	486
04/02/79	SW	MOV	MOV-SW-203D	MOV PMS	PMS COMPLETED SAT	2	901251526	1152
04/02/79	MOV'	VALVES	MOV-SW-203C	DISCONNECT THE ABOVE MOV	RECONNECTED AND TESTED SAT	2	902211502	273
04/02/79	SW	VALVE	MOV-SW-203A	DISCONNECT FOR MECH+RECONNECT	CONNECTED AND TESTED SAT	2	903071249	617
04/04/79	RT	RELAY	25H5	RT PMS	PERFORMED EMP-P-RT-67	2	901261413	213
04/04/79	RT	RELAY	25H6	RT PMS	PERFORMED EMP-P-RT-68	2	901261414	499
04/04/79	RT	RELAY	25J5	RT PMS	PERFORMED EMP-P-RT-75	2	901261420	310
04/04/79	RT	RELAY	25J2	RT PMS	PERFORMED EMP-P-RT-81	2	901261425	476
04/04/79	RT	RELAY	25G3	RT PMS	PERFORMED EMP-P-RT-170	2	901261500	118
04/04/79	RT	RELAY	25G5	RT PMS	PERFORMED EMP-P-RT-171	2	901261501	46
04/09/79	EPH	BREAKER	25A5	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251317	1110
04/09/79	EPH	BREAKER	25A6	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251318	140
04/09/79	EPH	BREAKER	25C8	BREAKER PMS	CLEANED+INSPECTED BREAKER	2	901251334	331
04/09/79	EPH	BREAKER	25G6	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251341	486
04/09/79	EPH	BREAKER	25G1	BREAKER PMS	CLEANED+INSPECTED BREAKERS	2	901251342	102
04/09/79	EPH	BREAKER	25G5	BREAKER PMS	CLEANED+INSPECTED BREAKER	2	901251344	102
04/09/79	EPH	BREAKER	25G8	BREAKER PMS	CLEANED+INSPECTED BREAKER	2	901251345	376
04/09/79	EPH	BREAKER	25G4	BREAKER PMS	CLEANED+INSPECED BREAKER	2	901251346	376
04/09/79	RT	RELAY	25C8	RT PMS	PERFORMED EMP-P-RT-165	2	901261454	460
04/09/79	RT	RELAY	25G1	RT PMS	PERFORMED EMP-P-RT-168	2	901261468	100
04/09/79	RT	RELAY	25G6	RT PMS	PERFORMED EMP-P-RT-172	2	901261502	171
04/09/79	RT	RELAY	34.5KV INTK	RT PMS	PERFORMED EMP-P-RT-181	2	901261511	101
04/09/79	RT	RELAY	INTK N2 DIFF	RT PMS	PERFORMED EMP-P-RT-182	2	901261512	101
04/09/79	MS	MOV	MOV-MS-201B	INSPECT GREASE IN LIMIT SWITCH BOX	COMPLETED INSPECTION RESULTS UNSAT	2	904060748	73
04/09/79	RC	MOV	MOV2236	INSPECT GREASE IN LIMIT SWITCH BOX	COMPLETED INSPECTION RESULTS SAT	2	904060752	73
04/10/79	MS	MOV	MOV-MS-201A	INSPECT GREASE IN LIMIT SWITCH BOX	COMPLETED INSPECTION RESULTS SAT	2	904060749	73
04/10/79	RC	MOV	MOV2235	INSPECT GREASE IN LIMIT SWITCH BOX	COMPLETED INSPECTION RESULTS SAT	2	904060750	73
04/11/79	RT	RELAY	25J4	RT PMS	PERFORMED EMP-P-RT-66	2	901261412	556
04/11/79	RT	RELAY	2 CRDM 1	RT PMS	PERFORMED EMP-P-RT-78	2	901261422	461
04/11/79	RT	RELAY	2 CRDM 2	RT PMS	PERFORMED EMP-P-RT-79	2	901261423	461
04/17/79	CC	PUMP	2-CC-P-2A	TRIPS BRK	REPLACED OVERLOAD HTR TESTED	2	904160315	26
04/23/79	EPH	BREAKER	25J4	BREAKER PMS	CLEANED+TESTED BREAKER	2	901251403	1343
04/24/79	RT	RELAY	GEN2 GND DET	RT PMS	PERFORMED EMP-P-RT-184	2	901261514	24

DEPT TOTAL								******

Maintenance of Safety Related Systems During Outage or Reduced Power Periods

UNIT #1

Instrument Maintenance

DEPT = INST

UNIT1-
(MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS)

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/06/79	CH	CONT	FC-113A	FLUCUATES DURING BLEND CYCLE	REPLACED M/A STATION	1	904040404	54
04/30/79	RM	MONITOR	RM-SW-116	MONITOR INDICATING HIGH	ADJUSTED + CALIBRATED	1	904261000	99
DEPT TOTAL								153

Maintenance of Safety Related Systems During
Outage or Reduced Power Periods

UNIT #2

Instrument Maintenance

DEPT=INST 1 MAY 79

UNIT2-

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

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	U	MR	TOTDWNTM
04/13/79	RH	CONT	FCV-2605	VALVE POSITION APPARENTLY NOT FUNCTI	REPLACED E/P TRANSDUCER ADJ POSITION	2	904130745	5
04/27/79	EE	COMPRESS		PRESSURE SWITCH DOSE NOT WORK	REPLACED PRESS SWITCH AND REGULATOR	2	904260145	31
DEPT TOTAL								36

HEALTH PHYSICS

APRIL, 1979

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 single radiation exposure specifically associated with Unit #1 and 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

APRIL, 1979

None during this reporting period.