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April 11, 1990

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Senior Vice President
Nuclear Operations

ELV-01521
0329

Docket Nos. 50-424
50-425

Director, Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
MONTHLY OPERATING REPORTS

Enclosed are the March, 1990 monthly operating reports for Vogtle Units 1 and 2. These reports are submitted in accordance with Technical Specification 6.8.1.5.

Sincerely,


W. G. Hairston, III

WGH, III/JLL/gm

Enclosures:

1. Monthly Operating Report - VEGP Unit 1
2. Monthly Operating Report - VEGP Unit 2
3. Challenges to PORV or Safety Valves - VEGP Units 1 and 2
4. Comments to Event 90-3

xc: Georgia Power Company
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ENCLOSURE 1

VOGTLE ELECTRIC GENERATING PLANT - UNIT 1
MONTHLY OPERATING REPORT FOR MARCH, 1990

TABLE OF CONTENTS

NARRATIVE REPORT	Page V1-1
OPERATING DATA REPORT	Page V1-2
AVERAGE DAILY POWER LEVEL	Page V1-3
UNIT SHUTDOWNS AND POWER REDUCTIONS	Page V1-4

NARRATIVE REPORT
UNIT 1

DOCKET NO. 50-424
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

MARCH 1	00:00	UNIT 1 CONTINUING IN MODE 5 AND PREPARING TO ENTER MODE 6.
MARCH 1	01:33	UNIT 1 ENTERS MODE 6. REACTOR VESSEL HEAD DETENSIONING BEGINS. RCS AT MIDLOOP.
MARCH 5	15:31	CORE OFF LOAD COMPLETE. REACTOR DEFUELED.
MARCH 5	22:45	FUEL SHUFFLE BEGINS IN FUEL HANDLING BUILDING.
MARCH 11	14:57	UNIT 1 ENTERS MODE 6. FIRST FUEL ASSEMBLY IN CORE.
MARCH 16	17:59	FUEL LOAD COMPLETE.
MARCH 18	12:39	RPV HEAD SET IN PLACE ON REACTOR VESSEL.
MARCH 20	08:20	A LOSS OF OFFSITE POWER TO UNIT 1 OCCURS WHEN RESERVE AUXILIARY TRANSFORMER 1A LOST DUE TO DOWNED INCOMING POWER LINE.
MARCH 20	08:40	SITE AREA EMERGENCY DECLARED.
MARCH 20	09:17	SITE AREA EMERGENCY DOWNGRADED TO AN ALERT EMERGENCY.
MARCH 20	12:47	ALERT EMERGENCY TERMINATED.
MARCH 22	03:23	REACTOR VESSEL HEAD TENSIONED. UNIT 1 ENTERS MODE 5.
MARCH 25	18:11	RCS FILLED AND VENTED.
MARCH 28	16:19	INTEGRATED LEAK RATE TEST BEGINS IN CONTAINMENT.
MARCH 30	00:30	INTEGRATED LEAK RATE TEST COMPLETE IN CONTAINMENT.
MARCH 31	23:59	UNIT 1 CONTINUING IN MODE 5.

OPERATING DATA REPORT

DOCKET NO. 50-424
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

OPERATING STATUS

1. UNIT NAME: VEGP UNIT 1
2. REPORT PERIOD: MARCH 1990
3. LICENSED THERMAL POWER (MWt): 3411
4. NAMEPLATE RATING (GROSS MWe): 1215
5. DESIGN ELECTRICAL RATING (NET MWe): 1101
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 1133
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 1079
8. IF CHANGES OCCUR IN CAPACITY RATINGS
(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe): 0
10. REASONS FOR RESTRICTION, IF ANY: CONFIRMATORY ACTION LETTER ON CRITICALITY

	THIS MONTH	YR. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744	2160	24841
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	0.0	1277.5	20565.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE:	0.0	1268.3	20038.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0
16. GROSS THERMAL ENERGY GENERATED (MWH):	0	4185047	66173957
17. GROSS ELEC. ENERGY GENERATED (MWH):	0	1372650	21924240
18. NET ELEC. ENERGY GENERATED (MWH):	-6330	1299050	20720560
19. REACTOR SERVICE FACTOR	0.0%	59.1%	82.8%
20. REACTOR AVAILABILITY FACTOR	0.0%	59.1%	82.8%
21. UNIT SERVICE FACTOR:	0.0%	58.7%	80.7%
22. UNIT AVAILABILITY FACTOR:	0.0%	58.7%	80.7%
23. UNIT CAPACITY FACTOR (USING MDC NET):	-0.8%	55.7%	77.2%
24. UNIT CAPACITY FACTOR (USING DER NET):	-0.8%	54.6%	75.8%
25. UNIT FORCED OUTAGE RATE:	0.0%	2.1%	10.5%
26. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING -- FEB 23 -- 45 DAYS			
27. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:		4/14/90	

UNIT 1 AVERAGE DAILY
POWER LEVEL

DOCKET NO. 50-424
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

DAY	Net MW
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 1

DOCKET NO. 50-424

DATE: APRIL 5, 1990

COMPLETED BY: J. C. WILLIAMS

TELEPHONE: (404) 826-4275

REPORT MONTH MARCH 1990

NO.	DATE	T Y P E	DURATION (HOURS)	R E A S O N	M E T H O D	LICENSEE EVENT REPORT NUMBER	S Y S T E M	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-3	03/01	S	7.44	C	4	N/A	ZZ	ZZZZZZ	SEE BELOW
90-4	03/20	F	4.45	H	9	1-90-006	FK	CBL5	SEE BELOW

F: FORCED
S: SCHEDULED

REASON:

A-EQUIPMENT FAILURE (EXPLAIN)
 B-MAINTENANCE OR TEST
 C-REFUELING
 D-REGULATORY RESTRICTION
 E-OPERATOR TRAINING & LICENSE
 F-ADMINISTRATIVE
 G-OPERATIONAL ERROR (EXPLAIN)
 H-OTHER (EXPLAIN)

METHOD:

1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTO. SCRAM
 4 - CONTINUATIONS
 5 - LOAD REDUCTION
 9 - OTHER (EXPLAIN)

EVENTS REPORTED INVOLVE
 A GREATER THAN 20%
 REDUCTION IN AVERAGE
 DAILY POWER LEVEL FOR
 THE PRECEDING 24 HOURS.

EVENT 90-3

CAUSE: SECOND REFUELING OUTAGE

COMMENTS: SEE ENCLOSURE 4

EVENT 90-4

CAUSE: A SITE AREA EMERGENCY WAS DECLARED ON UNIT 1 DUE TO A LOSS OF ONSITE AND OFFSITE POWER FOR LONGER THAN 15 MINUTES. THE EVENT WAS INITIATED BY A FUEL TRUCK HITTING A SUPPORT POLE FOR ONE OF RESERVE AUXILIARY TRANSFORMER 1A'S INCOMING LINES. SINCE RESERVE AUXILIARY TRANSFORMER 1B AND DIESEL GENERATOR 1B WERE OUT OF SERVICE FOR PREVENTIVE MAINTENANCE, THERE WAS A LOSS OF ALL OFFSITE POWER. DIESEL GENERATOR 1A AUTOMATICALLY STARTED AND SUBSEQUENTLY TRIPPED. IT WAS THEN AUTOMATICALLY STARTED BY RESETTING THE SEQUENCER AND SUBSEQUENTLY TRIPPED AGAIN. THE DIESEL GENERATOR WAS EMERGENCY STARTED AND TIED TO THE BUS AUTOMATICALLY.

CORRECTIVE ACTION: A CRITIQUE TEAM WAS FORMED TO EVALUATE THIS EVENT. CORRECTIVE ACTIONS ARE CONTAINED IN THE CRITIQUE REPORT. DETAILS WILL BE LOCATED IN LER 1-90-006.

ENCLOSURE 2

VOGTLE ELECTRIC GENERATING PLANT - UNIT 2
MONTHLY OPERATING REPORT FOR MARCH, 1990

TABLE OF CONTENTS

NARRATIVE REPORT	Page V2-1
OPERATING DATA REPORT	Page V2-2
AVERAGE DAILY POWER LEVEL	Page V2-3
UNIT SHUTDOWNS AND POWER REDUCTIONS	Page V2-4

NARRATIVE REPORT
UNIT 2

DOCKET NO. 50-425
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

MARCH 1	00:00	UNIT 2 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.
MARCH 3	20:50	UNIT 2 BEGINS LOAD REDUCTION TO 72% FOR STEAM GENERATOR FEEDWATER PUMP TURBINE "B" POWER SUPPLY SWAP.
MARCH 4	00:45	UNIT 2 AT 72% POWER.
MARCH 4	00:53	UNIT 2 BEGINS RAMP TO 100% POWER.
MARCH 4	09:22	UNIT 2 AT 100% POWER.
MARCH 20	08:20	GENERATOR TRIP / TURBINE TRIP / REACTOR TRIP DUE TO GENERATOR DIFFERENTIAL RELAY ACTUATION AS A RESULT OF THE DISTURBANCE IN THE UNIT 1 SWITCHYARD.
MARCH 20	10:12	UNIT 2 STABILIZED IN MODE 3.
MARCH 21	16:49	UNIT 2 ENTERS MODE 2.
MARCH 21	17:30	REACTOR CRITICAL.
MARCH 22	02:39	UNIT 2 ENTERS MODE 1.
MARCH 22	05:33	UNIT 2 TIED TO GRID.
MARCH 22	09:13	UNIT 2 BEGINS RAMP TO 100% POWER.
MARCH 23	09:51	UNIT 2 AT 100% POWER.
MARCH 31	23:59	UNIT 2 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.

OPERATING DATA REPORT

DOCKET NO. 50-425

DATE: APRIL 5, 1990

COMPLETED BY: J. C. WILLIAMS

TELEPHONE: (404) 826-4279

OPERATING STATUS

1. UNIT NAME: VEGP UNIT 2
2. REPORT PERIOD: MARCH 1990
3. LICENSED THERMAL POWER (Mwt): 3411
4. NAMEPLATE RATING (GROSS MWe): 1215
5. DESIGN ELECTRICAL RATING (NET MWe): 1101
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 1164
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 1110
8. IF CHANGES OCCUR IN CAPACITY RATINGS
(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe): NO RESTRICTIONS
10. REASONS FOR RESTRICTION, IF ANY: N/A

	THIS MONTH	YR. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744	2160	7585
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	710.8	2126.8	7338.5
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE:	698.8	2114.8	7221.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH):	2340854	7134111	24341224
17. GROSS ELEC. ENERGY GENERATED (MWH):	798051	2441645	8255611
18. NET ELEC. ENERGY GENERATED (MWH):	761051	2331765	7878931
19. REACTOR SERVICE FACTOR	95.5%	98.5%	96.7%
20. REACTOR AVAILABILITY FACTOR	95.5%	98.5%	96.7%
21. UNIT SERVICE FACTOR:	93.9%	97.9%	95.2%
22. UNIT AVAILABILITY FACTOR:	93.9%	97.9%	95.2%
23. UNIT CAPACITY FACTOR (USING MDC NET):	92.2%	97.3%	95.2%
24. UNIT CAPACITY FACTOR (USING DER NET):	92.9%	99.0%	94.3%
25. UNIT FORCED OUTAGE RATE:	6.1%	2.1%	2.9%
26. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING -- SEPT 14 -- 45 DAYS			
27. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:		N/A	

UNIT 2 AVERAGE DAILY
POWER LEVEL

DOCKET NO. 50-425
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

DAY	Net MW
1	1123 *
2	1122 *
3	1101
4	1065
5	1118 *
6	1118 *
7	1121 *
8	1124 *
9	1119 *
10	1111 *
11	1102
12	1103
13	1105
14	1106
15	1102
16	1098
17	1107
18	1115 *
19	1114 *
20	374
21	0
22	320
23	1048
24	1108
25	1110 *
26	1114 *
27	1121 *
28	1120 *
29	1122 *
30	1122 *
31	1118 *

* MDC CAN BE EXCEEDED UNDER OPTIMAL CONDITIONS

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 2

DOCKET NO. 50-425
 DATE: APRIL 5, 1990
 COMPLETED BY: J. C. WILLIAMS
 TELEPHONE: (404) 826-4279

REPORT MONTH MARCH 1990

NO.	DATE	T Y P E	DURATION (HOURS)	R E A S O N	M E T H O D	LICENSEE EVENT REPORT NUMBER	S Y S T E M	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-2	03/20	F	73.52	A	3	2-90-002	EL	87	SEE BELOW

F: FORCED
 S: SCHEDULED

REASON:
 A-EQUIPMENT FAILURE (EXPLAIN)
 B-MAINTENANCE OR TEST
 C-REFUELING
 D-REGULATORY RESTRICTION
 E-OPERATOR TRAINING & LICENSE
 F-ADMINISTRATIVE
 G-OPERATIONAL ERROR (EXPLAIN)
 H-OTHER (EXPLAIN)

METHOD:
 1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTO. SCRAM
 4 - CONTINUATIONS
 5 - LOAD REDUCTION
 9 - OTHER (EXPLAIN)

EVENTS REPORTED INVOLVE
 A GREATER THAN 20%
 REDUCTION IN AVERAGE
 DAILY POWER LEVEL FOR
 THE PRECEDING 24 HOURS.

EVENT 90-2

CAUSE: GENERATOR TRIP / TURBINE TRIP / REACTOR TRIP CAUSED BY A GENERATOR DIFFERENTIAL RELAY ACTUATION. THE RELAY ACTUATED WHEN AN ELECTRICAL FAULT OCCURRED IN THE UNIT 1 LOW VOLTAGE SWITCHYARD. INCORRECTLY SET CURRENT TRANSFORMER TAPS CAUSED THE RELAY TO BE OVERLY SENSITIVE TO SYSTEM IMBALANCES.

CORRECTIVE ACTION: THE CURRENT TRANSFORMER TAPS WERE RESET IN ACCORDANCE WITH ORIGINAL DESIGN. DETAILS WILL BE LOCATED IN LER 2-90-002.

ENCLOSURE 3

VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2
MONTHLY OPERATING REPORT FOR MARCH, 1990

CHALLENGES TO PORV OR SAFETY VALVES

ENCLOSURE 3

VEGP UNITS 1 & 2

DOCKET NO. 50-424;50-425
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

CHALLENGES TO PORV OR SAFETY VALVES

DATE	TAG NUMBER	E V E N T T Y P E	DESCRIPTION
03/20	2PV-455A	A	SEE BELOW

EVENT TYPE :

A-AUTOMATIC
M-MANUAL

CHALLENGE TO PORV:

APPROXIMATELY 30 MINUTES AFTER THE UNIT 2 TRIP PORV 455A OPENED FOR LESS THAN A SECOND. THIS ACTUATION WAS CAUSED BY A PRESSURE DEVIATION SIGNAL FROM PB-455E. THIS CONTROL LOGIC INCREASES THE DEMAND SIGNAL PROPORTIONAL TO THE LENGTH OF TIME ACTUAL PRESSURE HAS DEVIATED FROM THE SETPOINT. ACTUAL PRESSURE AT THE TIME OF PORV ACTUATION WAS APPROXIMATELY 2280 PSI.

ENCLOSURE 4

VOGTLE ELECTRIC GENERATING PLANT - UNIT 1
MONTHLY OPERATING REPORT FOR MARCH, 1990

COMMENTS TO EVENT 90-3

ENCLOSURE 4

VEGP UNIT 1

DOCKET NO. 50-424
DATE: APRIL 5, 1990
COMPLETED BY: J. C. WILLIAMS
TELEPHONE: (404) 826-4279

UNIT 1 OUTAGE CRITICAL PATH WAS:

REMOVAL OF REACTOR VESSEL HEAD
CORE OFF LOAD FOR REFUELING
FUEL SHUFFLE IN SPENT FUEL POOL
FUEL RELOAD AND CORE VERIFICATION
REFUEL CAVITY AND TRANSFER TUBE RESTORATION AND DECON.
RPV HEAD SET IN PLACE ON REACTOR VESSEL
COMPLETE REASSEMBLY OF REACTOR VESSEL
REACTOR VESSEL HEAD TENSIONED
INTEGRATED LEAK RATE TEST PERFORMED

MAJOR CORRECTIVE MAINTENANCE ON SAFETY RELATED EQUIPMENT:

TROUBLESHOOTING AND REWORK OF DIESEL GENERATOR 1A AND 1B PNEUMATIC
LOGIC SYSTEMS, ANNUNCIATORS, AND INSTRUMENTATION.
STEAM GENERATOR TUBE PLUGGING.
REPAIR OF LEAKING CANOPY SEAL WELD ON CONTROL ROD DRIVE MECHANISM HOUSING.
REPLACEMENT OF RESISTANCE TEMPERATURE DETECTOR BYPASS VALVE WITH PIPE SPOOL.
REWORK OF RESIDUAL HEAT REMOVAL PUMP TO REDUCE VIBRATION.