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Post Office Box 1295
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C. K. McCoy
Vice President, Nuclear
Vogtle Project

Georgia Power
the southern electric system

March 12, 1991

ELV-02632
0887

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 February, 1991 monthly operating reports for Vogtle Units 1 and 2. These reports are submitted in accordance with Technical Specification 6.8.1.5.

Sincerely,

C. K. McCoy

CKM/NL/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

xc: Georgia Power Company
Mr. W. B. Shipman
Mr. P. D. Rushton
Mr. R. M. Odom
NORMS

U. S. Nuclear Regulatory Commission
Mr. S. D. Ebneter, Regional Administrator
Mr. D. S. Hood, Licensing Project Manager, NRR
Mr. B. R. Bonser, Senior Resident Inspector, Vogtle
Document Control Desk

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ENCLOSURE 1

VOGTLE ELECTRIC GENERATING PLANT - UNIT 1
MONTHLY OPERATING REPORT FOR FEBRUARY, 1991

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NARRATIVE REPORT
UNIT 1

DOCKET NO. 50-424
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

FEBRUARY 01	00:00	UNIT 1 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.
FEBRUARY 25	17:03	BEGAN POWER REDUCTION TO 90% FOR HEATER DRAIN PUMP A MAINTENANCE.
FEBRUARY 28	09:10	BEGAN POWER REDUCTION DUE TO GRID INSTABILITY FROM LOSS OF 500 KV LINE.
FEBRUARY 28	23:59	UNIT 1 AT 80% POWER DUE TO GRID INSTABILITY AND CONTINUING HEATER DRAIN PUMP A MAINTENANCE.

OPERATING DATA REPORT

DOCKET NO. 50-424
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3140

OPERATING STATUS

1. UNIT NAME:	VEGP UNIT 1
2. REPORT PERIOD:	FEBRUARY 1991
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):	1154
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	1100
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):	NO RESTRICTIONS
10. REASONS FOR RESTRICTION, IF ANY:	N/A

	THIS MONTH	YR. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	672	1416	32857
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	672.0	1416.0	27874.5
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0	0
14. HOURS GENERATOR ON-LINE:	672.0	1416.0	27170.3
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0
16. GROSS THERMAL ENERGY GENERATED (MWH):	2260779	4795616	89989227
17. GROSS ELEC. ENERGY GENERATED (MWH):	767400	1634200	29928650
18. NET ELEC. ENERGY GENERATED (MWH):	732610	1560050	28321960
19. REACTOR SERVICE FACTOR	100.0%	100.0%	84.8%
20. REACTOR AVAILABILITY FACTOR	100.0%	100.0%	84.8%
21. UNIT SERVICE FACTOR:	100.0%	100.0%	82.7%
22. UNIT AVAILABILITY FACTOR:	100.0%	100.0%	82.7%
23. UNIT CAPACITY FACTOR (USING MDC NET):	99.1%	100.2%	79.7%
24. UNIT CAPACITY FACTOR (USING DER NET):	99.0%	100.1%	78.3%
25. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	8.5%

26. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
NONE

27. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

UNIT 1 AVERAGE DAILY POWER LEVEL

DOCKET NO. 50-424
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

DAY	Net MW
1	1115 *
2	1113 *
3	1111 *
4	1110 *
5	1106 *
6	1104 *
7	1106 *
8	1113 *
9	1113 *
10	1113 *
11	1113 *
12	1114 *
13	1111 *
14	1107 *
15	1116 *
16	1116 *
17	1115 *
18	1106 *
19	1097
20	1099
21	1103 *
22	1103 *
23	1112 *
24	1112 *
25	1086
26	944
27	942
28	927

* MDC CAN BE EXCEEDED UNDER OPTIMAL CONDITIONS

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 1

DOCKET NO. 50-424
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

REPORT MONTH FEBRUARY 1991

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

ENCLOSURE 2

VOGTLE ELECTRIC GENERATING PLANT - UNIT 2
MONTHLY OPERATING REPORT FOR FEBRUARY, 1991

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NARRATIVE REPORT
UNIT 2

DOCKET NO. 50-425
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

FEBRUARY 01	00:00	UNIT 2 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.
FEBRUARY 06	21:02	REDUCED POWER TO 90% FOR HDP A NORMAL LEVEL CONTROL VALVE OUTAGE.
FEBRUARY 07	20:15	UNIT 2 AT 100% POWER.
FEBRUARY 18	07:47	AUTOMATIC REACTOR TRIP DUE TO SG LO-LO LEVEL.
FEBRUARY 19	23:50	ENTERED MODE 2.
FEBRUARY 20	00:41	REACTOR CRITICAL.
FEBRUARY 20	04:34	ENTERED MODE 1.
FEBRUARY 20	06:52	GENERATOR TIED TO GRID.
FEBRUARY 21	06:30	UNIT 1 AT 100% POWER.
FEBRUARY 23	11:38	AUTOMATIC REACTOR TRIP DUE TO INSTRUMENT MALFUNCTION.
FEBRUARY 24	10:00	ENTERED MODE 2.
FEBRUARY 24	11:13	REACTOR CRITICAL.
FEBRUARY 24	19:23	ENTERED MODE 1.
FEBRUARY 24	21:54	GENERATOR TIED TO GRID.
FEBRUARY 25	15:00	UNIT 2 AT 100% POWER.
FEBRUARY 28	09:10	BEGAN POWER REDUCTION DUE TO GRID INSTABILITY FROM LOSS OF 500 KV LINE.
FEBRUARY 28	23:59	UNIT 2 AT 80% POWER DUE TO GRID INSTABILITY, NO OTHER OPERATION PROBLEMS.

OPERATING DATA REPORT

DOCKET NO. 50--425
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

OPERATING STATUS

1. UNIT NAME:	VEGP UNIT 2
2. REPORT PERIOD:	FEBRUARY 1991
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):	1151
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	1097
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):	NO RESTRICTIONS
10. REASONS FOR RESTRICTION, IF ANY:	N/A

	THIS MONTH	YR. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	672	1416	15601
12. NUMBER OF HOURS REACTOR WAS CRITIC	607.5	1351.5	13888.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE:	590.6	1334.7	13569.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH):	1953887	3977067	42876312.0
17. GROSS ELEC. ENERGY GENERATED (MWH):	672955	1359458	14417896
18. NET ELEC. ENERGY GENERATED (MWH):	639255	1289118	13691206
19. REACTOR SERVICE FACTOR	90.4%	95.4%	89.0%
20. REACTOR AVAILABILITY FACTOR	90.4%	95.4%	89.0%
21. UNIT SERVICE FACTOR:	87.9%	94.3%	87.0%
22. UNIT AVAILABILITY FACTOR:	87.9%	94.3%	87.0%
23. UNIT CAPACITY FACTOR (USING MDC NET):	86.7%	83.0%	79.8%
24. UNIT CAPACITY FACTOR (USING DER NET):	86.4%	82.7%	79.7%
25. UNIT FORCED OUTAGE RATE:	12.1%	5.7%	2.5%

26. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
NONE

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: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

DAY	Net MW	
1	1133	*
2	1130	*
3	1128	*
4	1128	*
5	1127	*
6	1118	*
7	1034	
8	1129	*
9	1129	*
10	1129	*
11	1129	*
12	1130	*
13	1126	*
14	1124	*
15	1131	*
16	1134	*
17	1133	*
18	335	
19	0	
20	347	
21	1095	
22	1117	*
23	520	
24	0	
25	858	
26	1127	*
27	1129	*
28	1094	

* MDC CAN BE EXCEEDED UNDER OPTIMAL CONDITIONS

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 2

DOCKET NO. 50-425
DATE: MARCH 5, 1991
COMPLETED BY: D. F. HALLMAN
TELEPHONE: (404) 826-3148

REPORT MONTH FEBRUARY 1991

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-2	2/18	F	47.1	A	3	2-91-5	JK	SIC	SEE BELOW
91-3	2/23	F	34.3	A	3	2-91-6	JC	XC	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.

91-2
CAUSE: Control room operators observed a loss of feedwater and steam flow/feed flow mismatch annunciators, determined that a slowdown of Main Feedpump (MFP) "A" had occurred and saw that steam generator (SG) water levels were dropping. Reactor control rods were inserted and the turbine load was reduced. Operators attempted to increase MFP "B" speed in order to maintain the SG water levels. However, MFP "B" speed was locked-in due to the signal memory function and did not increase. An automatic reactor trip occurred due to SG #1 reaching its low-low water level trip setpoint.
CORRECTIVE ACTION: An investigation found a faulty component on a circuit board in the MFP "A" speed control. The circuit board with the faulty component was replaced and preventative maintenance is being instituted.

91-3
CAUSE: Automatic reactor trip caused when a false high temperature condition was signalled by a failed instrument circuit board (Loop 1 T Hot NRA card). At the time, a surveillance was in progress on another Reactor Protection Channel (Loop 4) completing two of four channels needed to generate a reactor trip signal.
CORRECTIVE ACTIONS: The defective NRA Card was replaced. Calibrations and surveillances were completed for the appropriate reactor protection channels prior to returning the Unit 2 reactor to power.

ENCLOSURE 3

VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2
MONTHLY OPERATING REPORT FOR FEBRUARY, 1991

CHALLENGES TO PORV OR SAFETY VALVES

(ENCLOSURE 3)

VEGP UNITS 1 & 2

DOCKET NOS. 50-424,50-425
DATE: MARCH 5,1991
COMPLETED BY: D.F.HALLMAN
TELEPHONE: (404)826-3148

DATE	TAG NO.	EVENT TYPE	DESCRIPTION
			THERE WERE NO CHALLENGES TO PORV OR SAFETY VALVES.