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October 9, 1990

the SOUTHERN ELECTRIC SYSTEM

W. G. Hairston, III  
Senior Vice President  
Nuclear Operations

ELV-02162  
0645

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 September, 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*  
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

xc: Georgia Power Company  
Mr. C. K. McCoy  
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U. S. Nuclear Regulatory Commission  
Mr. S. D. Ebner, Regional Administrator  
Mr. D. S. Hood, Licensing Project Manager, NRR  
Mr. B. R. Bonser, Senior Resident Inspector, Vogtle  
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ENCLOSURE 1

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

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NARRATIVE REPORT  
UNIT 1

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

SEPTEMBER 1	00:00	UNIT 1 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.
SEPTEMBER 30	23:59	UNIT 1 AT 100% POWER WITH NO OPERATIONAL PROBLEMS.

# OPERATING DATA REPORT

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

## OPERATING STATUS

1. UNIT NAME:	VEGP UNIT 1		
2. REPORT PERIOD:	SEPTEMBER 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:	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:	720	6551	29232
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	720.0	5167.2	24455.4
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0	0
14. HOURS GENERATOR ON-LINE:	720.0	4997.7	23767.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0
16. GROSS THERMAL ENERGY GENERATED (MWH):	2452206	16548755	78537665
17. GROSS ELEC. ENERGY GENERATED (MWH):	825390	5487830	26039420
18. NET ELEC. ENERGY GENERATED (MWH):	788140	5201030	24622540
19. REACTOR SERVICE FACTOR	100.0%	78.9%	83.7%
20. REACTOR AVAILABILITY FACTOR	100.0%	78.9%	83.7%
21. UNIT SERVICE FACTOR:	100.0%	76.3%	81.3%
22. UNIT AVAILABILITY FACTOR:	100.0%	76.3%	81.3%
23. UNIT CAPACITY FACTOR (USING MDC NET):	101.4%	73.6%	78.0%
24. UNIT CAPACITY FACTOR (USING DER NET):	99.4%	72.1%	76.5%
25. UNIT FORCED OUTAGE RATE:	0.0%	2.6%	9.4%
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: OCTOBER 5, 1990  
COMPLETED BY: J. C. WILLIAMS  
TELEPHONE: (404) 826-4279

DAY	Net MW
1 .....	1090 *
2 .....	1090 *
3 .....	1089 *
4 .....	1095 *
5 .....	1097 *
6 .....	1093 *
7 .....	1088 *
8 .....	1088 *
9 .....	1087 *
10 .....	1088 *
11 .....	1088 *
12 .....	1086 *
13 .....	1085 *
14 .....	1091 *
15 .....	1084 *
16 .....	1095 *
17 .....	1101 *
18 .....	1103 *
19 .....	1098 *
20 .....	1090 *
21 .....	1090 *
22 .....	1088 *
23 .....	1103 *
24 .....	1111 *
25 .....	1110 *
26 .....	1106 *
27 .....	1103 *
28 .....	1100 *
29 .....	1101 *
30 .....	1102 *

\* MDC CAN BE EXCEEDED UNDER OPTIMAL CONDITIONS

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 1

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

REPORT MONTH SEPTEMBER 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 O M E	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 SEPTEMBER, 1990

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NARRATIVE REPORT  
UNIT 2

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

SEPTEMBER 1	23:59	UNIT AT 54.3% POWER. COASTDOWN IN PROGRESS WITH NO OPERATIONAL PROBLEMS.
SEPTEMBER 14	19:36	BEGAN POWER REDUCTION FROM 48.5% IN PREPARATION FOR FOR REFUELING OUTAGE.
SEPTEMBER 14	21:36	UNIT MANUALLY TRIPPED TO BEGIN PLANNED REFUELING OUTAGE .
SEPTEMBER 16	03:19	UNIT ENTERED MODE 4.
SEPTEMBER 16	13:26	UNIT ENTERED MODE 5.
SEPTEMBER 20	00:34	UNIT ENTERED MODE 6.
SEPTEMBER 30	14:00	UNIT DEFUELED.
SEPTEMBER 30	23:59	UNIT DEFUELED PREPARATION FOR FUEL SHUFFLE IN PROGRESS.



# OPERATING DATA REPORT

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

## OPERATING STATUS

1. UNIT NAME: VEGP UNIT 2
2. REPORT PERIOD: SEPTEMBER 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: 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:	720	6551	11976
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	333.6	6071.7	11283.4
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0	0.0
14. HOURS GENERATOR ON-LINE:	333.6	6032.6	11138.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH):	585194	18110792	35317905
17. GROSS ELEC. ENERGY GENERATED (MWH):	179469	6051091	11865057
18. NET ELEC. ENERGY GENERATED (MWH):	158469	5734991	11282157
19. REACTOR SERVICE FACTOR	46.3%	92.7%	94.2%
20. REACTOR AVAILABILITY FACTOR	46.3%	92.7%	94.2%
21. UNIT SERVICE FACTOR:	46.3%	92.1%	93.0%
22. UNIT AVAILABILITY FACTOR:	46.3%	92.1%	93.0%
23. UNIT CAPACITY FACTOR (USING MDC NET):	19.8%	78.9%	85.8%
24. UNIT CAPACITY FACTOR (USING DER NET):	20.0%	79.5%	85.6%
25. UNIT FORCED OUTAGE RATE:	0.0%	2.1%	2.5%
26. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING OUTAGE ONGOING.			
27. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NOVEMBER 3, 1990			

UNIT 2 AVERAGE DAILY  
POWER LEVEL

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

DAY	Net MW
1 .....	522
2 .....	523
3 .....	511
4 .....	513
5 .....	506
6 .....	496
7 .....	493
8 .....	490
9 .....	487
10 .....	466
11 .....	467
12 .....	463
13 .....	452
14 .....	404
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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: VEGP UNIT 2

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

REPORT MONTH SEPTEMBER 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
90-8	9/14	S	386.4	C	2	N/A	ZZ	ZZZZZZ	FIRST REFUELING OUTAGE

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 90-8

CAUSE: SCHEDULED REFUELING OUTAGE

CORRECTIVE ACTION: MAJOR SAFETY RELATED WORK:  
 REPAIR OF NORMAL CHARGING CHECK VALVE  
 REPAIR OF NORMAL CHARGING ISOLATION VALVE

## CRITICAL PATH:

SHUTDOWN AND COOL TO 110 F  
 REMOVAL OF S/G NOZZLE MANWAYS  
 INSTALLATION OF S/G NOZZLE DAMS  
 DIESEL GENERATOR 2B PREVENTATIVE MAINTENANCE  
 REMOVAL OF REACTOR VESSEL HEAD  
 CORE OFF LOAD FOR REFUELING

ENCLOSURE 3

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

CHALLENGES TO PORV OR SAFETY VALVES



(ENCLOSURE 3)

VEGP UNITS 1 & 2

DOCKET NO: 50-424, 50-425  
DATE: OCTOBER 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
			THERE WERE NO CHALLENGES TO PORV OR SAFETY VALVES.

EVENT TYPE :

A-AUTOMATIC  
M-MANUAL