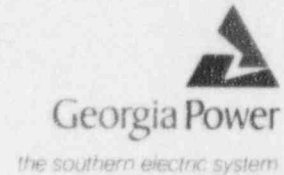


Georgia Power Company
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Telephone 205.877-7122

C. K. McCoy
Vice President, Nuclear
Vogtle Project



February 23, 1995

LCV-0573

Docket Nos. 50-424
50-425

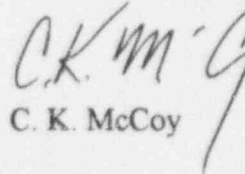
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
1994 ANNUAL REPORT - PART 1

In accordance with the applicable regulatory requirements, Georgia Power Company hereby submits Part 1 of the 1994 Annual Report of operating information. Part 2 of the 1994 Annual Report will be submitted by May 1, 1995.

Sincerely,


C. K. McCoy

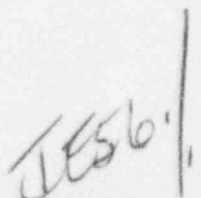
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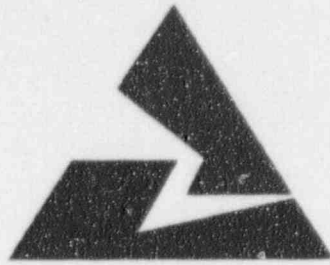
Enclosure: Annual Report - Part 1

cc: Georgia Power Company
Mr. J. B. Beasley, Jr.
Mr. M. Sheibani
NORMS

U. S. Nuclear Regulatory Commission
Mr. S. D. Ebnetter, Regional Administrator
Mr. D. S. Hood, Licensing Project Manager, NRR
Mr. B. R. Bonser, Senior Resident Inspector, Vogtle
Mr. E. S. Beckjord, Director, Office of Nuclear Regulatory Research

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VOGTLE ELECTRIC GENERATING PLANT

**GEORGIA POWER
COMPANY**

PLANT VOGTLE UNITS 1 & 2

**1994
ANNUAL REPORT**

- PART 1 -

DOCKET NUMBERS 50-424/425
LICENSE NUMBERS NPF-68/81

VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
NRC DOCKETS 50-424/425
OPERATING LICENSE NPF-68/81
1994 ANNUAL REPORT
PART 1

TABLE OF CONTENTS

	<u>PAGE</u>
I. INTRODUCTION	1
II. TECHNICAL SPECIFICATION 6.8.1.2 ANNUAL REPORTS	
A. TECHNICAL SPECIFICATION 6.8.1.2a - REPORT OF PERSONNEL EXPOSURE GREATER THAN 100 MREM/YR.	2
B. TECHNICAL SPECIFICATION 6.8.1.2b - REPORT OF PRIMARY COOLANT'S EXCESSIVE SPECIFIC ACTIVITY	3
C. TECHNICAL SPECIFICATION 6.8.1.2c - REPORT OF LEAKAGES GREATER THAN OR EQUAL TO 0.005 MICROCURIES	4

I
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1994 ANNUAL REPORT
PART 1

INTRODUCTION

The Vogtle Electric Generating Plant Units 1 and 2 are powered by pressurized water reactors, each rated at 3565 megawatts thermal. It is located on the Savannah River in Burke County Georgia, at a site 34 miles southeast of Augusta. The Unit 1 operating license was initially received on January 16, 1987 and Commercial Operation started on May 31, 1987. Unit 1 is in its sixth fuel cycle. Unit 2 received its initial operating license on February 9, 1989, and began commercial operation on May 19, 1989. Unit 2 is currently in its fourth refueling outage.

II A
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1994 ANNUAL REPORT - PART 1
TECHNICAL SPECIFICATION 6.8.1.2a
REPORT OF PERSONNEL EXPOSURE GREATER THAN 100 MREM/YR

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			STATION	TOTAL UTILITY	MAN-REM CONTRACT
	STATION	UTILITY	CONTRACT			
Reactor Operations & Surv.						
Maint. & Construction	3	0	3	0.643	.000	1.453
Operations	13	0	0	4.911	.015	0.009
Health Physics & Lab	1	0	0	0.526	.000	0.017
Supervisory & Office Staff	0	0	0	0.066	.022	0.219
Engineering Staff	0	0	0	0.102	.011	0.050
Routine Plant Maintenance						
Maint. & Construction	11	0	32	6.989	.043	11.314
Operations	4	0	0	2.574	.012	0.051
Health Physics & Lab	49	1	4	12.056	.170	1.655
Supervisory & Office Staff	0	0	0	0.163	.057	0.546
Engineering Staff	0	0	0	0.599	.007	0.277
Inservice Inspection						
Maint. & Construction	8	0	13	2.834	0.000	3.405
Operations	0	0	0	0.002	0.000	0.000
Health Physics & Lab	0	0	0	0.000	0.000	0.000
Supervisory & Office Staff	1	0	20	0.107	0.000	8.860
Engineering Staff	0	0	1	0.104	0.000	0.335
Special Plant Maintenance *						
Maint. & Construction	119	1	132	41.507	0.244	54.847
Operations	11	1	1	4.051	0.248	0.155
Health Physics & Lab	30	0	58	10.181	0.070	17.940
Supervisory & Office Staff	3	1	15	1.667	0.115	5.403
Engineering Staff	5	0	3	1.426	0.081	1.475
Waste Processing						
Maint. & Construction	0	0	1	0.020	.000	0.163
Operations	2	0	1	0.860	.000	0.323
Health Physics & Lab	1	0	4	0.847	.011	1.743
Supervisory & Office Staff	0	0	0	0.002	.000	0.001
Engineering Staff	0	0	0	0.000	.000	0.155
Refueling						
Maint. & Construction	7	0	20	1.842	0.000	5.696
Operations	2	0	0	0.733	0.021	0.000
Health Physics & Lab	1	0	3	0.467	0.000	1.596
Supervisory & Office Staff	0	0	4	0.175	0.000	0.923
Engineering Staff	1	0	3	0.296	0.000	0.946

II A
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1994 ANNUAL REPORT - PART 1
TECHNICAL SPECIFICATION 6.8.1.2a
REPORT OF PERSONNEL EXPOSURE GREATER THAN 100 MREM/yr

CONTINUED:

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL		MAN-REM
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
Totals						
Maint. & Construction	148	1	201	53.835	0.287	76.878
Operations	32	1	2	13.130	0.296	0.537
Health Physics & Lab	82	1	69	24.077	0.251	22.950
Supervisory & Office Staff	4	1	39	2.179	0.194	15.953
Engineering Staff	6	0	7	2.527	0.099	3.238
Grand Totals	272	4	318	95.749	1.127	119.557

Total radiation exposure is 216.233 Rem (108.117 Rem per unit) which constitutes 100% of the site exposure for the year.

* - Refers to special maintenance not usually performed during normal operations. Most major maintenance is associated with outages. Examples of special maintenance performed in 1994 include: reactor coolant pump motor work, steam generator cleaning and testing, installation of reactor head shielding, and seal welding of safety injection check valves.

II B
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1994 ANNUAL REPORT - PART 1
TECHNICAL SPECIFICATION 6.8.1.2b
REPORT OF PRIMARY COOLANT'S EXCESSIVE SPECIFIC ACTIVITY

There were no instances of Units 1 or 2 exceeding the dose equivalent iodine limits or the total specific activity limits, as specified in Technical Specifications, Section 3.4.8, during 1994.

II C
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1994 ANNUAL REPORT - PART 1
TECHNICAL SPECIFICATION 6.8.1.2c
REPORT OF LEAKAGES GREATER THAN OR EQUAL TO 0.005 MICROCURIES

As required by Technical Specifications Section 3.7.9, leak tests were performed on sealed sources with activity greater than 100 microcuries of beta and/or gamma, or 5 microcuries of alpha radiation. The test results revealed less than 0.005 microcuries of removable contamination or leakage.