



VOGTLE ELECTRIC GENERATING PLANT
GEORGIA POWER
COMPANY

PLANT VOGTLE UNITS 1 & 2

1992

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
1992 ANNUAL REPORT
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I
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1992 ANNUAL REPORT
PART I

INTRODUCTION

The Vogtle Electric Generating Plant Units 1 and 2 are powered by pressurized water reactors, each rated at 3411 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 fourth fuel cycle. Unit 2 received its initial operating license on February 9, 1989, and began commercial operation on May 19, 1989. Unit 2 is operating in its third fuel cycle.

II
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2
1992 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	MAN-REM
	STATION	UTILITY	CONTRACT		UTILITY	CONTRACT
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Reactor Operations & Surv.						
Maint. & Construction	14	0	56	6.258	.000	17.152
Operations	3	0	0	1.567	.035	.022
Health Physics & Lab	15	0	41	4.714	.089	16.616
Supervisory & Office Staff	2	0	10	.342	.011	2.838
Engineering Staff	0	0	3	.200	.000	1.478
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Routine Plant Maintenance						
Maint. & Construction	9	0	34	3.618	.022	9.943
Operations	23	0	0	5.901	.000	.044
Health Physics & Lab	7	0	12	2.635	.008	4.961
Supervisory & Office Staff	2	0	4	.830	.031	1.781
Engineering Staff	1	0	1	.606	.000	.822
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Inservice Inspection						
Maint. & Construction	6	0	52	4.284	.000	18.287
Operations	2	0	0	1.023	.000	.072
Health Physics & Lab	3	0	4	2.260	.000	2.219
Supervisory & Office Staff	0	0	1	.074	.011	.469
Engineering Staff	1	0	2	.453	.000	1.117
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Special Plant Maintenance						
Maint. & Construction	78	1	250	34.512	.791	113.650
Operations	18	1	1	5.964	.278	.652
Health Physics & Lab	27	0	76	8.712	.041	37.339
Supervisory & Office Staff	4	2	25	1.274	.492	10.770
Engineering Staff	3	0	7	1.201	.000	4.184
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Waste Processing						
Maint. & Construction	16	0	26	6.547	.000	6.328
Operations	2	0	0	1.023	.000	.022
Health Physics & Lab	8	0	19	2.938	.000	8.966
Supervisory & Office Staff	0	0	1	.074	.011	.422
Engineering Staff	0	0	1	.013	.000	.695
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Refueling						
Mainu. & Construction	25	0	62	8.972	.000	22.853
Operationns	7	0	0	2.873	.000	.034
Health Physics & Lab	10	0	48	4.066	.000	21.502
Supervisory & Office Staff	1	0	4	.405	.011	1.990
Engineering Staff	2	0	6	.525	.000	3.006

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REPORT OF PERSONNEL EXPOSURE GREATER THAN 100 MREM/yr

CONTINUED:

Totals						
Maint. & Construction	148	1	480	64.190	.813	188.813
Operations	55	1	1	18.351	.313	.795
Health Physics & Lab	70	0	200	25.325	.138	91.602
Supervisory & Office Staff	9	2	45	2.998	.568	18.272
Engineering Staff	7	0	20	2.998	.000	11.302
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Grand Totals	289	4	746	113.862	1.832	310.784

Total radiation exposure is 426.467 REM which constitutes 100% of the site exposure for the year.

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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 1992.

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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 activities less than 0.005 microcuries of removable contamination.

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10 CFR 20.407
ANNUAL PERSONNEL MONITORING REPORT

Estimated whole body exposure range (rems)	Number of individuals in each range
No measurable exposure	1033
Measurable exposure less than 0.1	366
0.1 to 0.25	269
0.25 to 0.5	294
0.5 to 0.75	168
0.75 to 1.0	106
1.0 to 2.0	59
2.0 to 3.0	0
3.0 to 4.0	0
4.0 to 5.0	0
5.0 to 6.0	0
6.0 to 7.0	0
7.0 to 8.0	0
8.0 to 9.0	0
9.0 to 10.0	0
10.0 to 11.0	0
11.0 to 12.0	0
12 +	0
Total number of personnel monitored	2295

This report is submitted in accordance with paragraphs (a)(2) and (b) of 10 CFR 20.407.

Total radiation exposure of the above personnel is 426.467 REM (213.234 REM per unit) which constitutes 100% of the site exposure for the year.