

**VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2**  
**NRC DOCKETS 50-424/425**  
**OPERATING LICENSE NPF-68/81**  
**1995 ANNUAL REPORT - PART 1**

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**I**  
**VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2**  
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**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 fifth fuel cycle.

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

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
Reactor Operations & Surv.						
Maint. & Construction	9	0	3	2.960	0.085	1.554
Operations	21	0	0	6.303	0.000	0.038
Health Physics & Lab	4	0	1	0.760	0.000	0.244
Supervisory & Office Staff	1	0	0	0.248	0.069	0.181
Engineering Staff	0	0	0	0.132	0.000	0.018
Routine Plant Maintenance						
Maint. & Construction	20	0	29	7.954	0.086	9.148
Operations	6	0	0	3.130	0.062	0.126
Health Physics & Lab	60	1	9	12.710	0.202	2.748
Supervisory & Office Staff	1	0	0	0.295	0.000	0.511
Engineering Staff	1	0	0	0.569	0.000	0.097
Inservice Inspection						
Maint. & Construction	1	0	23	0.536	0.043	9.646
Operations	0	0	0	0.184	0.017	0.000
Health Physics & Lab	0	0	0	0.003	0.000	0.057
Supervisory & Office Staff	0	0	6	0.053	0.258	2.067
Engineering Staff	2	0	2	0.440	0.009	0.408
Special Plant Maintenance *						
Maint. & Construction	84	1	77	40.236	0.618	31.045
Operations	11	0	0	6.500	0.060	0.089
Health Physics & Lab	18	4	36	4.477	0.718	8.639
Supervisory & Office Staff	6	5	6	1.918	1.009	2.134
Engineering Staff	1	0	8	1.165	0.043	3.285

\* - Refers to special maintenance not usually performed during normal operations. Most major maintenance is associated with outages. Examples of special maintenance performed in 1995 include: reactor coolant pump seal and motor work, steam generator tube testing and plugging, replacement of incore detectors, and major outage related maintenance.

**II A (CONTINUED)**  
**VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2**  
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**TECHNICAL SPECIFICATION 6.8.1.2a**  
**REPORT OF PERSONNEL EXPOSURE GREATER THAN 100 MREM/YR**

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
Waste Processing						
Maint. & Construction	0	0	0	0.165	0.019	0.000
Operations	3	0	0	1.326	0.000	0.020
Health Physics & Lab	12	0	27	4.929	0.038	8.636
Supervisory & Office Staff	1	0	1	0.253	0.000	0.301
Engineering Staff	0	0	0	0.000	0.000	0.000
Refueling						
Maint. & Construction	4	0	17	1.582	0.000	7.263
Operations	4	0	0	1.305	0.000	0.000
Health Physics & Lab	1	0	7	1.058	0.037	2.266
Supervisory & Office Staff	2	0	3	0.277	0.000	0.922
Engineering Staff	1	0	6	0.496	0.000	2.149
Totals						
Maint. & Construction	118	1	149	53.433	0.851	58.756
Operations	45	0	0	18.748	0.139	0.273
Health Physics & Lab	95	5	80	23.937	0.995	22.590
Supervisory & Office Staff	11	5	16	3.044	1.336	6.116
Engineering Staff	5	0	16	2.802	0.052	5.957
Grand Totals	274	11	261	101.964	3.373	93.692

Total radiation exposure is 199.029 Rem (99.515 Rem per unit) which constitutes 100% of the site exposure for the year.

**II B**  
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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 1995.

**II C**  
**VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 & 2**  
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**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.