J. Barnie Beasley, Jr., P.E.

Vice President Vogtle Project Southern Nuclear Operating Company, Inc.

40 Inverness Center Parkway P.O. Box 1295

Birmingham, Alabama 35201

Tel 205.992.7110 Fax 205.992.0403



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March 20, 2000

Docket Nos. 50-424

50-425

U. S. Nuclear Regulatory Commission

ATTN: Document Control Desk

Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT 1999 OCCUPATIONAL RADIATION EXPOSURE REPORT

In accordance with section 5.6.1 of the Vogtle Electric Generating Plant Technical Specifications, Southern Nuclear Operating Company hereby submits the 1999 Occupational Radiation Exposure Report.

Sincerely,

J. B. Beasley, Jr.

JBB/JLL

Enclosure: Occupational Radiation Exposure Report

cc: Southern Nuclear Operating Company

Mr. J. T. Gasser

Mr. M. Sheibani

SNC Document Management

U. S. Nuclear Regulatory Commission

Mr. L. A. Reyes, Regional Administrator

Mr. R. R. Assa, Project Manager, NRR

Mr. J. Zeiler, Senior Resident Inspector, Vogtle

Mr. E. S. Beckjord, Director, Office of Nuclear Regulatory Research

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VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2 NRC DOCKET NOS. 50-424 AND 50-425 FACILITY OPERATING LICENSE NOS. NPF-68 AND NPF-81

1999 OCCUPATIONAL RADIATION EXPOSURE REPORT

	# PERSONNEL >100 mrem			TOTAL (man-rem)		
WORK & JOB FUNCTION	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
Reactor Operations & Surveillance						
Maintenance & Construction	1	0	1	1.596	0.228	0.679
Operations	25	0	ī	6.261	0.003	0.245
Health Physics & Lab	12	5	23	3.318	0.657	5.329
Supervisory & Office Staff	0	0	0	0.473	0.087	0.333
Engineering Staff	1	0	0	0.397	0.002	0.182
Routine Plant Maintenance						
Maintenance & Construction	17	1	0	6.073	0.216	1.605
Operations	2	ō	0	1.271	0.000	0.024
Health Physics & Lab	27	Ö	ì	5.982	0.038	0.795
Supervisory & Office Staff	0	ŏ	1	0.242	0.086	0.209
Engineering Staff	ŏ	ŏ	2	0.380	0.033	0.413
Inservice Inspection			_			0.120
Maintenance & Construction	7	3	54	2.519	0.746	18.282
Operations	1	0	2	0.288	0.000	0.535
Health Physics & Lab	2	0	0	0.593	0.000	0.033
Supervisory & Office Staff	1	2	8	0.538	0.286	2.423
Engineering Staff	0	0	6	0.066	0.217	1.658
Special Plant Maintenance *						
Maintenance & Construction	87	10	269	24.165	2.564	85.471
Operations	10	10	12	3.041	0.151	3.481
Health Physics & Lab	7	0	5	1.641	0.016	1.413
Supervisory & Office Staff	3	1	11	1.569	0.145	3.726
Engineering Staff	1	0	4	0.595	0.143	1.202
Waste Processing	-	· ·	•	0.555	0.017	1.202
Maintenance & Construction	5	0	2	1 202	0.002	0.260
Operations	17	0	2	1.393	0.003	0.360
Health Physics & Lab	17	0	22	2.295 4.876	0.000	0.000
Supervisory & Office Staff	0	0			0.000	5.790
Engineering Staff	0	0	0	0.000	0.000	0.000
	U	U	U	0.000	0.000	0.000
Refueling						
Maintenance & Construction	3	0	42	1.133	0.066	11.042
Operations	4	0	5	0.971	0.000	1.551
Health Physics & Lab	3	0	5	0.969	0.000	1.821
Supervisory & Office Staff	1	0	6	0.198	0.008	1.231
Engineering Staff	0	0	1	0.314	0.010	0.373
Totals						
Maintenance & Construction	120	14	368	36.879	3.823	117,439
Operations	49	1	20	14.127	0.154	5.836
Health Physics & Lab	65	5	56	17.379	0.711	15.181
Supervisory & Office Staff	5	3	26	3.020	0.612	7.922
Engineering Staff	2	0	13	1.752	0.279	3.828
Grand Totals	241	23	483	73.157	5.579	150.206

Total radiation exposure is 228.942 Rem (114.471 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 1999 include: replacement of reactor neutron monitors, installing in-mast fuel sipping capability, replacement of CVCS positive displacement pump, steam generator secondary side cleaning, and other plant design changes.