

**J. Bernie 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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Docket Nos. 50-424  
50-425

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

Gentlemen:

**VOGTLE ELECTRIC GENERATING PLANT  
2001 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 2001 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. F. Rinaldi, Project Manager, NRR  
Mr. J. Zeiler, Senior Resident Inspector, Vogtle  
Mr. E. S. Beckjord, Director, Office of Nuclear Regulatory Research

IES6

**VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2  
2001 OCCUPATIONAL RADIATION EXPOSURE REPORT**

WORK & JOB FUNCTION	# PERSONNEL >100 mrem			TOTAL (man-rem)		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
<b>Reactor Operations &amp; Surveillance</b>						
Maint. & Construction	1	0	1	0.548	0.000	0.459
Operations	15	0	1	4.140	0.001	0.103
Health Physics & Lab	7	3	10	2.055	0.466	2.184
Supervisory & Office Staff	0	0	0	0.086	0.008	0.067
Engineering Staff	0	0	0	0.312	0.026	0.050
<b>Routine Plant Maintenance</b>						
Maint. & Construction	8	0	6	4.161	0.010	1.663
Operations	2	0	4	0.906	0.000	2.360
Health Physics & Lab	12	0	0	3.851	0.011	0.248
Supervisory & Office Staff	0	0	0	0.149	0.017	0.067
Engineering Staff	0	0	0	0.210	0.043	0.131
<b>Inservice Inspection</b>						
Maint. & Construction	0	0	52	0.079	0.000	13.181
Operations	0	0	0	0.002	0.000	0.000
Health Physics & Lab	0	0	0	0.018	0.002	0.103
Supervisory & Office Staff	0	0	3	0.086	0.003	0.672
Engineering Staff	0	0	2	0.138	0.114	0.295
<b>Special Plant Maintenance *</b>						
Maint. & Construction	47	7	148	11.551	1.211	51.923
Operations	4	0	0	1.506	0.000	0.028
Health Physics & Lab	7	0	1	1.667	0.000	0.220
Supervisory & Office Staff	1	0	7	0.455	0.071	2.754
Engineering Staff	0	1	4	0.357	0.277	1.394
<b>Waste Processing</b>						
Maint. & Construction	5	0	6	0.952	0.013	1.051
Operations	2	0	0	0.936	0.000	0.084
Health Physics & Lab	15	0	9	3.774	0.001	1.708
Supervisory & Office Staff	0	0	0	0.000	0.000	0.000
Engineering Staff	0	0	0	0.001	0.000	0.000
<b>Refueling</b>						
Maint. & Construction	1	0	24	0.675	0.007	5.664
Operations	0	0	1	0.498	0.000	0.216
Health Physics & Lab	0	0	0	0.390	0.009	0.246
Supervisory & Office Staff	0	0	1	0.046	0.029	0.341
Engineering Staff	0	0	0	0.079	0.011	0.100
<b>Totals</b>						
Maint. & Construction	62	7	237	17.966	1.241	73.941
Operations	23	0	6	7.988	0.001	2.791
Health Physics & Lab	41	3	20	11.755	0.489	4.709
Supervisory & Office Staff	1	0	11	0.822	0.128	3.901
Engineering Staff	0	1	6	1.097	0.471	1.970
<b>Grand Totals</b>	<b>127</b>	<b>11</b>	<b>280</b>	<b>39.628</b>	<b>2.330</b>	<b>87.312</b>

**Total radiation exposure is 129.270 Rem (64.635 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 2001 include: Radwaste Processing Building construction, clean-out of Storage Tanks, RHR Vent Line installation, Reactor Coolant System Level Indication for refueling activities, and other plant design changes.