

Lewis Sumner
Vice President
Hatch Project Support

Southern Nuclear
Operating Company, Inc.
40 Inverness Parkway
Post Office Box 1295
Birmingham, Alabama 35201

Tel 205 992 7279
Fax 205 992 0341



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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
2002 Occupational Radiation Exposure Report

Ladies and Gentlemen:

In accordance with Section 5.6.1 of the referenced plants' Technical Specifications and Regulatory Guide 1.16, a tabulation of personnel radiation dose greater than 100 mrem by work and job functions during 2002 for each plant is enclosed. The tabulations combine the data for both units at each plant. The data provided represents the total 2002 site doses and are not estimates.

Sincerely,

H. L. Sumner, Jr.

HLS/IL

- Enclosures: 1. Hatch Occupational Radiation Exposure Report for 2002
2. Farley Occupational Radiation Exposure Report for 2002
3. Vogtle Occupational Radiation Exposure Report for 2002

cc: Southern Nuclear Operating Company
Mr. J. D. Woodard, Executive Vice President
Mr. J. B. Beasley, Jr., Vice President, Plant Farley
Mr. J. T. Gasser, Vice President, Plant Vogtle
Mr. D. E. Grissette, General Manager – Plant Farley
Mr. P. H. Wells, General Manager – Plant Hatch
Mr. G. R. Frederick, General Manager – Plant Vogtle
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cc: U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. F. Rinaldi, NRR Project Manager – Farley
Mr. L. N. Olshan, NRR Project Manager – Hatch
Mr. F. Rinaldi, NRR Project Manager – Vogtle
Mr. T. P. Johnson, Senior Resident Inspector – Farley
Mr. N. P. Garrett, Acting Senior Resident Inspector – Hatch
Mr. J. Zeiler, Senior Resident Inspector – Vogtle

ENCLOSURE 1

**OCCUPATIONAL RADIATION EXPOSURE REPORT
FOR THE EDWIN I. HATCH NUCLEAR PLANT
FOR 2002 BY WORK AND JOB FUNCTION**

	Number of Personnel > 100 mrem			Total Man-Rem		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	0	0	0	0.017	0.014	0.035
Operating Personnel	51	0	0	14.324	0.000	0.000
Health Physics Personnel	42	1	12	9.626	0.152	3.123
Supervisory Personnel	0	0	0	0.189	0.001	0.000
Engineering Personnel	0	0	0	0.022	0.002	0.000
Routine Maintenance						
Maintenance Personnel	80	0	75	20.507	0.038	31.295
Operating Personnel	4	0	0	1.970	0.004	0.000
Health Physics Personnel	12	0	1	3.715	0.000	0.678
Supervisory Personnel	3	0	1	1.476	0.046	0.388
Engineering Personnel	5	0	0	1.861	0.239	0.451
Inservice Inspection						
Maintenance Personnel	0	0	0	0.007	0.028	0.215
Operating Personnel	0	0	0	0.127	0.000	0.000
Health Physics Personnel	0	0	0	0.146	0.000	0.022
Supervisory Personnel	0	0	0	0.003	0.000	0.031
Engineering Personnel	0	0	1	0.044	0.062	0.519
Special Maintenance *						
Maintenance Personnel	91	0	240	23.143	0.079	64.735
Operating Personnel	32	0	0	7.700	0.000	0.000
Health Physics Personnel	20	0	21	4.711	0.002	6.339
Supervisory Personnel	6	0	1	2.141	0.030	0.534
Engineering Personnel	10	1	10	3.404	0.396	3.023
Waste Processing						
Maintenance Personnel	0	0	0	0.429	0.000	0.003
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	3	0	6	1.496	0.000	1.546
Supervisory Personnel	0	0	0	0.018	0.000	0.000
Engineering Personnel	0	0	0	0.004	0.000	0.000
Refueling						
Maintenance Personnel	2	0	48	0.775	0.002	15.777
Operating Personnel	2	0	0	0.783	0.000	0.000
Health Physics Personnel	0	0	0	0.156	0.000	0.126
Supervisory Personnel	0	0	0	0.413	0.000	0.009
Engineering Personnel	0	0	1	0.668	0.002	0.363
Totals						
Maintenance Personnel	173	0	363	44.878	0.161	112.060
Operating Personnel	89	0	0	24.904	0.004	0.000
Health Physics Personnel	77	1	40	19.850	0.154	11.834
Supervisory Personnel	9	0	2	4.240	0.077	0.962
Engineering Personnel	15	1	12	6.003	0.701	4.356
Grand Total	363	2	417	99.875	1.097	129.212

NOTE

The total radiation exposure of the above personnel is 230.184 rem which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2002 include: Safety relief valve work, main steam isolation valve work, recirculating pump maintenance, CRD activities, dry cask loading/storage/set-up/demobilization and various other maintenance activities not normally considered routine in nature.

ENCLOSURE 2

**OCCUPATIONAL RADIATION EXPOSURE REPORT
FOR THE JOSEPH M. FARLEY NUCLEAR PLANT
FOR 2002 BY WORK AND JOB FUNCTION**

	Number of Personnel > 100 mrem			Total Man-Rem		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	0	0	3	0.275	0.000	0.861
Operating Personnel	23	0	0	7.261	0.000	0.099
Health Physics Personnel	12	0	8	3.146	0.152	2.200
Supervisory Personnel	0	0	0	0.434	0.100	0.056
Engineering Personnel	1	0	0	0.766	0.042	0.309
Routine Maintenance						
Maintenance Personnel	12	0	1	7.996	0.058	1.971
Operating Personnel	1	0	0	1.342	0.009	0.028
Health Physics Personnel	0	0	0	0.049	0.011	0.004
Supervisory Personnel	0	0	0	0.100	0.000	0.000
Engineering Personnel	0	0	0	0.003	0.021	0.094
Inservice Inspection						
Maintenance Personnel	0	0	12	0.000	0.000	5.659
Operating Personnel	4	0	0	0.675	0.000	0.000
Health Physics Personnel	3	0	3	1.097	0.155	0.611
Supervisory Personnel	0	0	1	0.014	0.072	0.256
Engineering Personnel	1	0	14	0.344	0.260	4.627
Special Maintenance *						
Maintenance Personnel	26	1	33	9.026	0.251	11.065
Operating Personnel	20	0	2	3.711	0.020	1.141
Health Physics Personnel	11	0	0	2.687	0.060	0.250
Supervisory Personnel	0	0	0	0.171	0.041	0.088
Engineering Personnel	0	0	0	0.169	0.000	1.639
Waste Processing						
Maintenance Personnel	10	0	0	2.715	0.000	0.000
Operating Personnel	0	0	1	0.391	0.000	0.151
Health Physics Personnel	3	0	0	1.827	0.003	0.062
Supervisory Personnel	0	0	0	0.005	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
Refueling						
Maintenance Personnel	56	0	0	15.996	0.002	0.117
Operating Personnel	1	0	9	0.415	0.000	2.314
Health Physics Personnel	0	0	0	0.229	0.045	0.010
Supervisory Personnel	0	0	0	0.397	0.000	0.002
Engineering Personnel	0	0	0	0.077	0.038	0.159
Totals						
Maintenance Personnel	104	1	49	36.008	0.311	19.673
Operating Personnel	49	0	12	13.795	0.029	3.733
Health Physics Personnel	29	0	11	9.035	0.426	3.137
Supervisory Personnel	0	0	1	1.121	0.213	0.402
Engineering Personnel	2	0	14	1.359	0.361	6.828
Grand Total	184	1	87	61.318	1.340	33.773

NOTE

The total radiation exposure of the above personnel is 96.431 rem which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2002 include: Reactor vessel upflow modification, reactor coolant pump thermal barrier repair and various other maintenance activities not normally considered routine in nature.

ENCLOSURE 3

**OCCUPATIONAL RADIATION EXPOSURE REPORT
FOR THE VOGTLE ELECTRIC GENERATING PLANT
FOR 2002 BY WORK AND JOB FUNCTION**

	Number of Personnel > 100 mrem			Total Man-Rem		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	3	2	5	1.160	0.250	1.582
Operating Personnel	17	0	1	4.218	0.041	0.184
Health Physics Personnel	19	5	14	4.627	0.960	3.436
Supervisory Personnel	0	0	0	0.223	0.008	0.217
Engineering Personnel	0	0	0	0.403	0.056	0.035
Routine Maintenance						
Maintenance Personnel	3	0	0	3.097	0.002	1.058
Operating Personnel	2	0	0	0.889	0.003	0.070
Health Physics Personnel	12	0	0	3.737	0.006	0.238
Supervisory Personnel	0	0	1	0.061	0.002	0.211
Engineering Personnel	0	0	0	0.179	0.005	0.292
Inservice Inspection						
Maintenance Personnel	2	5	69	0.934	1.124	25.685
Operating Personnel	0	0	0	0.149	0.000	0.046
Health Physics Personnel	0	0	0	0.024	0.002	0.047
Supervisory Personnel	1	1	4	0.250	0.146	1.107
Engineering Personnel	2	0	5	0.503	0.164	1.397
Special Maintenance *						
Maintenance Personnel	84	17	292	27.509	4.544	109.549
Operating Personnel	6	1	2	2.115	0.126	1.435
Health Physics Personnel	3	0	1	1.866	0.042	0.399
Supervisory Personnel	2	0	6	0.778	0.009	3.122
Engineering Personnel	3	0	7	1.303	0.248	1.993
Waste Processing						
Maintenance Personnel	14	0	8	4.445	0.000	1.460
Operating Personnel	4	0	0	1.549	0.000	0.013
Health Physics Personnel	13	0	11	4.269	0.000	2.612
Supervisory Personnel	0	0	0	0.001	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
Refueling						
Maintenance Personnel	3	0	37	1.164	0.173	11.427
Operating Personnel	3	0	3	0.741	0.015	0.576
Health Physics Personnel	0	0	0	0.563	0.000	0.192
Supervisory Personnel	0	0	2	0.165	0.000	0.539
Engineering Personnel	0	0	0	0.171	0.012	0.004
Totals						
Maintenance Personnel	109	24	411	38.309	6.093	150.761
Operating Personnel	32	1	6	9.661	0.185	2.324
Health Physics Personnel	47	5	26	15.086	1.010	6.924
Supervisory Personnel	3	1	13	1.478	0.165	5.196
Engineering Personnel	5	0	12	2.559	0.485	3.721
Grand Total	196	31	468	67.093	7.938	168.926

NOTE

The total radiation exposure of the above personnel is **243.957 rem** which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2002 include: Fuel transfer system upgrades, upender pit drain modifications, reactor head inspections, post-accident sampling system deletion, repair of reactor upper internals, and various other maintenance activities not normally considered routine in nature.