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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
2003 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 2003 for each plant is enclosed. The tabulations combine the data for both units at each plant. The data provided represents the total 2003 site doses and are not estimates.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in cursive script that reads "H. L. Sumner, Jr.".

H. L. Sumner, Jr.

HLS/JCM

- Enclosures:
1. Hatch Occupational Radiation Exposure Report for 2003
 2. Farley Occupational Radiation Exposure Report for 2003
 3. Vogtle Occupational Radiation Exposure Report for 2003

JES6

U. S. Nuclear Regulatory Commission
NL-04-0402
Page 2

cc: Southern Nuclear Operating Company
Mr. J. B. Beasley, Jr., Executive Vice President
Mr. L. M. Stinson, Vice President, Plant Farley
Mr. J. T. Gasser, Vice President, Plant Vogtle
Mr. D. E. Grissette, General Manager – Plant Farley
Mr. G. R. Frederick, General Manager – Plant Hatch
Mr. W. F. Kitchens, General Manager – Plant Vogtle
RType: CFA04.054; CHA02.004; CVC7000; LC# 13983

U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. S. E. Peters, NRR Project Manager – Farley
Mr. C. Gratton, NRR Project Manager – Hatch
Mr. C. Gratton, NRR Project Manager – Vogtle
Mr. C. A. Patterson, Senior Resident Inspector – Farley
Mr. D. S. Simpkins, 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 2003 BY WORK AND JOB FUNCTION**

	<u>Number of Personnel > 100 mrem</u>			<u>Total Man-Rem</u>		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	0	0	0	0.481	0.039	0.067
Operating Personnel	48	0	0	15.229	0.002	0.000
Health Physics Personnel	45	6	12	10.135	1.064	3.436
Supervisory Personnel	0	0	0	0.203	0.004	0.009
Engineering Personnel	0	0	0	0.149	0.014	0.054
Routine Maintenance						
Maintenance Personnel	84	0	59	21.605	0.563	26.630
Operating Personnel	2	0	0	2.499	0.000	0.003
Health Physics Personnel	10	0	0	3.735	0.109	0.347
Supervisory Personnel	3	0	0	1.331	0.058	0.260
Engineering Personnel	4	0	0	2.390	0.248	0.412
Inservice Inspection						
Maintenance Personnel	0	0	3	0.003	0.015	0.742
Operating Personnel	0	0	0	0.135	0.000	0.000
Health Physics Personnel	0	0	0	0.155	0.000	0.004
Supervisory Personnel	0	0	0	0.008	0.000	0.084
Engineering Personnel	0	0	6	0.067	0.082	1.581
Special Maintenance *						
Maintenance Personnel	37	4	186	11.694	2.010	49.870
Operating Personnel	8	0	0	2.365	0.000	0.000
Health Physics Personnel	6	0	1	1.442	0.128	0.476
Supervisory Personnel	5	0	0	1.328	0.022	0.291
Engineering Personnel	3	1	1	1.541	0.364	0.420
Waste Processing						
Maintenance Personnel	1	0	7	0.733	0.001	2.063
Operating Personnel	1	0	0	0.532	0.000	0.000
Health Physics Personnel	5	0	1	1.883	0.002	0.566
Supervisory Personnel	0	0	0	0.159	0.000	0.077
Engineering Personnel	0	0	0	0.166	0.000	0.019
Refueling						
Maintenance Personnel	4	0	48	1.201	0.007	15.427
Operating Personnel	0	0	0	0.490	0.000	0.000
Health Physics Personnel	0	0	0	0.077	0.151	0.119
Supervisory Personnel	0	0	0	0.464	0.000	0.006
Engineering Personnel	1	0	0	0.410	0.025	0.311
Totals						
Maintenance Personnel	126	4	303	35.717	2.635	94.799
Operating Personnel	59	0	0	21.250	0.002	0.003
Health Physics Personnel	66	6	14	17.427	1.454	4.948
Supervisory Personnel	8	0	0	3.493	0.084	0.727
Engineering Personnel	8	1	7	4.723	0.733	2.797
Grand Total	267	11	324	82.610	4.908	103.274

NOTE

The total radiation exposure of the above personnel is 190.792 rem which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2003 include: plant design modifications 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 2003 BY WORK AND JOB FUNCTION**

	<u>Number of Personnel > 100 mrem</u>			<u>Total Man-Rem</u>		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	0	0	0	0.062	0.008	0.702
Operating Personnel	8	0	0	5.168	0.004	0.047
Health Physics Personnel	6	5	1	2.441	1.246	0.563
Supervisory Personnel	0	0	0	0.428	0.042	0.073
Engineering Personnel	0	0	0	0.441	0.093	0.088
Routine Maintenance						
Maintenance Personnel	62	3	50	17.985	1.334	13.591
Operating Personnel	8	3	1	2.815	1.386	0.209
Health Physics Personnel	0	0	0	0.485	0.025	0.094
Supervisory Personnel	0	0	0	0.174	0.090	0.002
Engineering Personnel	0	2	3	0.108	0.469	1.118
Inservice Inspection						
Maintenance Personnel	0	2	17	0.089	0.410	9.817
Operating Personnel	7	1	0	2.487	0.563	0.000
Health Physics Personnel	5	2	2	1.125	0.563	0.430
Supervisory Personnel	0	0	5	0.000	0.003	1.608
Engineering Personnel	0	1	33	0.401	0.256	26.012
Special Maintenance *						
Maintenance Personnel	2	0	0	3.165	0.011	1.132
Operating Personnel	0	0	0	0.407	0.000	0.011
Health Physics Personnel	0	0	0	1.160	0.011	0.008
Supervisory Personnel	0	0	0	0.138	0.069	0.012
Engineering Personnel	0	0	0	0.103	0.126	0.168
Waste Processing						
Maintenance Personnel	11	0	0	2.952	0.000	0.000
Operating Personnel	0	0	0	0.615	0.003	0.014
Health Physics Personnel	9	0	0	2.491	0.000	0.017
Supervisory Personnel	0	0	0	0.016	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
Refueling						
Maintenance Personnel	3	0	0	1.604	0.000	0.045
Operating Personnel	0	0	2	0.348	0.000	0.734
Health Physics Personnel	0	0	0	0.287	0.014	0.003
Supervisory Personnel	0	0	0	0.093	0.000	0.113
Engineering Personnel	0	0	0	0.027	0.017	0.047
Totals						
Maintenance Personnel	78	5	67	25.857	1.763	25.287
Operating Personnel	23	4	3	11.840	1.956	1.015
Health Physics Personnel	20	7	3	7.989	1.859	1.115
Supervisory Personnel	0	0	5	0.849	0.204	1.808
Engineering Personnel	0	3	36	1.080	0.961	27.433
Grand Total	121	19	114	47.615	6.743	56.658

NOTE

The total radiation exposure of the above personnel is 111.016 rem which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2003 include: U1 reactor head replacement walk downs, investigation of 1B CTMT recirculation fan failure, U1 1D CTMT vent valve repair, residual heat removal pumps wear ring inspection/repair, reactor coolant pump CCW thermal barrier repair, reactor vessel specimen and baffle former bolt shipping, CCW from RCP thermal barrier isolation valve repair, U2 letdown orifice isolation limit switch repair, also other plant design modifications and various other maintenance activities not normally considered routine in nature.

ENCLOSURE 3

**OCCUPATIONAL RADIATION EXPOSURE REPORT
FOR THE VOGTLE ELECTRIC GENERATING PLANT
FOR 2003 BY WORK AND JOB FUNCTION**

	<u>Number of Personnel > 100 mrem</u>			<u>Total Man-Rem</u>		
	Station	Utility	Contractor	Station	Utility	Contractor
Reactor Operations & Surveillance						
Maintenance Personnel	3	0	1	0.680	0.084	0.318
Operating Personnel	6	0	0	2.062	0.005	0.094
Health Physics Personnel	1	9	2	1.315	1.464	0.402
Supervisory Personnel	0	0	0	0.151	0.001	0.019
Engineering Personnel	0	0	0	0.149	0.005	0.004
Routine Maintenance						
Maintenance Personnel	5	0	0	2.594	0.019	0.499
Operating Personnel	0	0	0	0.525	0.004	0.091
Health Physics Personnel	7	0	0	2.985	0.029	0.064
Supervisory Personnel	0	0	0	0.058	0.020	0.047
Engineering Personnel	0	0	0	0.333	0.000	0.058
Inservice Inspection						
Maintenance Personnel	7	8	48	1.806	1.435	11.409
Operating Personnel	1	0	1	0.152	0.000	0.140
Health Physics Personnel	0	0	0	0.289	0.000	0.111
Supervisory Personnel	2	1	2	0.337	0.265	0.882
Engineering Personnel	3	0	1	0.567	0.090	0.386
Special Maintenance *						
Maintenance Personnel	35	4	107	8.687	1.901	26.040
Operating Personnel	1	0	1	1.066	0.000	0.369
Health Physics Personnel	1	0	0	1.107	0.033	0.106
Supervisory Personnel	0	0	1	0.264	0.033	0.493
Engineering Personnel	0	0	1	0.854	0.054	0.420
Waste Processing						
Maintenance Personnel	12	3	3	1.973	0.805	0.811
Operating Personnel	0	0	0	0.237	0.000	0.035
Health Physics Personnel	2	0	2	0.666	0.002	0.479
Supervisory Personnel	0	0	0	0.000	0.000	0.004
Engineering Personnel	0	0	0	0.003	0.000	0.001
Refueling						
Maintenance Personnel	0	0	20	0.672	0.090	4.082
Operating Personnel	0	0	2	0.333	0.000	0.373
Health Physics Personnel	0	0	0	0.157	0.005	0.036
Supervisory Personnel	0	0	0	0.054	0.000	0.096
Engineering Personnel	0	0	0	0.031	0.023	0.001
Totals						
Maintenance Personnel	62	15	179	16.412	4.334	43.159
Operating Personnel	8	0	4	4.375	0.009	1.102
Health Physics Personnel	11	9	4	6.519	1.533	1.198
Supervisory Personnel	2	1	3	0.864	0.319	1.541
Engineering Personnel	3	0	2	1.937	0.172	0.870
Grand Total	86	25	192	30.107	6.367	47.870

NOTE

The total radiation exposure of the above personnel is 84.344 rem which constitutes 100% of site exposure for the year.

* Examples of Special Maintenance in 2003 include: steam generator primary platform modifications, reactor head and under vessel inspections, and other plant design modifications and various other maintenance activities not normally considered routine in nature.