

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

February 24, 1992

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

Serial No. 92-048  
NAPS/JHL  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2  
ANNUAL WHOLE BODY EXPOSURE REPORT

Pursuant to Technical Specification 6.9.1.4 and 6.9.1.5, enclosed is the Annual Whole Body Exposure Report for North Anna Power Station Unit Nos. 1 and 2 for the reporting period of January 1, 1991 to December 31, 1991.

If you have any questions or require additional information, please contact us.

Very truly yours,



W. L. Stewart  
Senior Vice President - Nuclear

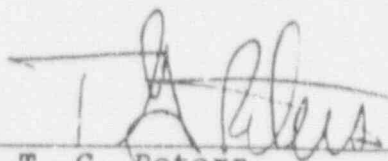
cc: U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N. W.  
Suite 2900  
Atlanta, Georgia 30323

Mr. M. S. Lesser  
NRC Senior Resident Inspector  
North Anna Power Station

*Handwritten initials/signature*

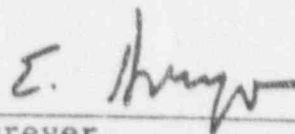
RECORDED ANNUAL WHOLE BODY EXPOSURE REPORT  
FOR THE  
NORTH ANNA POWER STATION  
FOR THE PERIOD  
JANUARY 1, 1991 - DECEMBER 31, 1991

Prepared By: \_\_\_\_\_



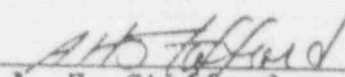
T. G. Peters  
Supervisor Health Physics  
(Exposure Control)

Reviewed By: \_\_\_\_\_



E. W. Dreyer  
Supervisor Health Physics  
(Technical Services)

Reviewed By: \_\_\_\_\_



A. H. Stafford  
Superintendent  
Radiological Protection

Approved By: \_\_\_\_\_



G. E. Kane  
Station Manager

F O R W A R D

THIS REPORT IS SUBMITTED AS REQUIRED BY TECHNICAL SPECIFICATIONS 6.9.1.4 AND 6.9.1.5 FOR NORTH ANNA POWER STATION UNITS 1 AND 2, AND 10 CFR PART 20 SEC. 20.407 (a) (2).

VIRGINIA POWER

NORTH ANNA POWER STATION

LICENSE NOS. NPF-04 AND NPF-07

RECORDED ANNUAL WHOLE BODY EXPOSURES

CALENDAR YEAR 1991

<u>Dose Range</u> <u>(mrem)</u>	<u>Number of</u> <u>Individuals</u>
No measurable exposure	<u>1,168</u>
1 - 99	<u>1,139</u>
100 - 249	<u>245</u>
250 - 499	<u>276</u>
500 - 749	<u>149</u>
750 - 999	<u>91</u>
1000 - 1999	<u>140</u>
2000 - 2999	<u>45</u>
3000 - 3999	<u>          </u>
4000 - 4999	<u>          </u>
5000 - 5999	<u>          </u>
6000 - 6999	<u>          </u>
7000 - 7999	<u>          </u>
8000 - 8999	<u>          </u>
9000 - 9999	<u>          </u>
10000 - 10999	<u>          </u>
11000 - 11999	<u>          </u>
12000	<u>          </u>
Total number of individuals reported	<u>3,253</u>
Total Station Man-Rem as determined by TLD	<u>628.930</u>

The above information is submitted for the total number of individuals for whom individual monitoring was provided during the calendar year.

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION - LICENSE NOS. NPP-04 AND NPP-07

MAN-REM EXPOSURE-WORK JOB FUNCTION  
JANUARY - DECEMBER

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL			TOTAL MAN-REM		
	Station Employees	Utility Employees	Contract Employees	Station Employees	Utility Employees	Contract Employees
Reactor Operations and Surveillance	317	9	60	18.950	.008	.555
Maintenance Personnel	98	1	26	4.099	.002	.090
Operating Personnel	115	2	1	12.544	.001	.000
Health Physics Personnel	45	0	31	1.510	.000	.465
Supervisory Personnel	46	5	0	.474	.001	.000
Engineering Personnel	13	1	2	.323	.004	.000
Routine Maintenance	830	134	1,157	140.430	.646	229.021
Maintenance Personnel	266	11	801	88.339	.001	168.522
Operating Personnel	221	15	20	18.379	.123	.224
Health Physics Personnel	111	20	246	24.929	.031	57.116
Supervisory Personnel	104	17	19	3.992	.021	.511
Engineering Personnel	128	71	71	4.791	.470	2.648
Inservice Inspection	71	0	210	6.097	.000	47.299
Maintenance Personnel	32	0	119	2.578	.000	34.396
Operating Personnel	16	0	1	2.004	.000	.002
Health Physics Personnel	8	0	71	.126	.000	5.062
Supervisory Personnel	1	0	1	.034	.000	.001
Engineering Personnel	14	0	18	1.355	.000	7.838
Special Maintenance	109	3	570	1.945	.001	173.305
Maintenance Personnel	50	1	445	.527	.000	161.365
Operating Personnel	11	0	3	.475	.000	.113
Health Physics Personnel	20	0	100	.212	.000	11.005
Supervisory Personnel	5	0	0	.175	.000	.000
Engineering Personnel	23	2	22	.556	.001	.822
Waste Processing	161	2	85	3.380	.001	.990
Maintenance Personnel	66	0	63	.617	.000	.458
Operating Personnel	32	1	0	.590	.000	.000
Health Physics Personnel	43	1	17	1.919	.001	.219
Supervisory Personnel	9	0	1	.202	.000	.000
Engineering Personnel	11	0	4	.052	.000	.313
Refueling	106	9	189	2.673	.196	27.102
Maintenance Personnel	33	0	76	.471	.000	22.630
Operating Personnel	29	1	2	1.023	.036	.036
Health Physics Personnel	32	1	96	.557	.022	3.462
Supervisory Personnel	8	1	0	.299	.038	.000
Engineering Personnel	4	6	15	.323	.100	.974