

RECORDED ANNUAL WHOLE BODY EXPOSURE REPORT  
FOR THE  
NORTH ANNA POWER STATION  
FOR THE PERIOD  
JANUARY 1, 1987 - DECEMBER 31, 1987

Prepared By:

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Approved By:

*E. W. Harrell*

E. W. Harrell  
Station Manager

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FORWARD

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 1987

<u>Dose Range</u> (mRem)	<u>Number of</u> <u>Individuals</u>
No measureable exposure	<u>1729</u>
1 - 99	<u>1058</u>
100 - 249	<u>316</u>
250 - 499	<u>295</u>
500 - 749	<u>211</u>
750 - 999	<u>173</u>
1000 - 1999	<u>387</u>
2000 - 2999	<u>118</u>
3000 - 3999	<u>57</u>
4000 - 4999	<u>9</u>
5000 - 5999	<u>0</u>
6000 - 6999	<u>0</u>
7000 - 7999	<u>0</u>
8000 - 8999	<u>0</u>
9000 - 9999	<u>0</u>
10000 - 10999	<u>0</u>
11000 - 11999	<u>0</u>
12000	<u>0</u>
Total number of individuals reported	<u>4353</u>
Total Station Man-Rem as determined by TLD	<u>1521.118</u>

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

VIRGINIA POWER

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

MAN-REM EXPOSURE-WORK JOB FUNCTION  
JANUARY - DECEMBER 1987

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	527	43	431	50.969	0.936	16.165
Maintenance Personnel	119	25	160	6.004	0.823	2.645
Operating Personnel	220	1	1	27.359	0.005	0.003
Health Physics Personnel	63	5	244	14.041	0.033	13.143
Supervisory Personnel	66	4	2	2.324	0.041	0.049
Engineering Personnel	59	8	24	1.241	0.034	0.325
Routine Maintenance	527	166	1485	317.426	94.795	806.211
Maintenance Personnel	176	135	1126	198.995	93.673	599.279
Operating Personnel	163	2	8	74.220	0.090	2.506
Health Physics Personnel	73	2	276	23.825	0.070	183.107
Supervisory Personnel	58	4	9	11.484	0.153	5.550
Engineering Personnel	57	23	66	8.902	0.809	15.769
Inservice Inspection	56	1	179	8.269	1.354	37.151
Maintenance Personnel	11	8	101	0.170	1.079	25.897
Operating Personnel	14	0	0	1.516	0.000	0.000
Health Physics Personnel	12	0	68	0.125	0.000	5.912
Supervisory Personnel	2	0	0	0.397	0.000	0.000
Engineering Personnel	17	3	10	6.061	0.275	5.342
Special Maintenance	83	22	835	4.465	1.555	296.007
Maintenance Personnel	21	11	654	1.431	0.432	261.787
Operating Personnel	20	2	2	1.843	0.343	0.338
Health Physics Personnel	20	0	147	0.380	0.000	26.436
Supervisory Personnel	6	1	4	0.104	0.015	2.075
Engineering Personnel	16	8	28	0.707	0.765	5.371
Waste Processing	79	10	52	14.657	0.122	3.994
Maintenance Personnel	21	9	20	0.474	0.120	0.422
Operating Personnel	25	0	1	3.780	0.000	2.116
Health Physics Personnel	29	1	31	9.666	0.002	1.456
Supervisory Personnel	4	0	0	0.737	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
Refueling	110	14	238	6.922	1.042	52.317
Maintenance Personnel	30	2	145	1.566	0.013	43.116
Operating Personnel	55	2	0	4.466	0.255	0.000
Health Physics Personnel	8	0	78	0.072	0.000	5.971
Supervisory Personnel	14	1	2	0.786	0.124	0.575
Engineering Personnel	3	9	13	0.032	0.650	2.655

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

February 23, 1988

Director, Office of Nuclear Regulatory Research  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 88-086  
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Docket Nos. 50-338  
50-339  
License Nos. DPR-4  
DPR-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION UNITS 1 AND 2  
ANNUAL WHOLE BODY EXPOSURE REPORT

Attached please find the subject report for North Anna Power Station for the period of January 1, 1987 through December 31, 1987. This report is submitted in accordance with 10 CFR 20.407(a)(2) and Technical Specifications Section 6.9.1.5.

Very truly yours,

  
W. L. Stewart

Attachment

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

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

Mr. J. L. Caldwell  
NRC Senior Resident Inspector  
North Anna Power Station

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