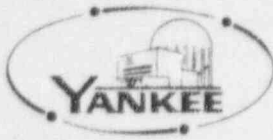


YANKEE ATOMIC ELECTRIC COMPANY

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580 Main Street, Bolton, Massachusetts 01740-1398

February 11, 1997
BYR 97- 005

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

Attention: Mr. Morton B. Fairtile
Senior Project Manager
Non-Power Reactors and Decommissioning Project
Directorate
Division of Operating Reactors

References: (a) License No. DPR-3 (Docket No. 50-29)

Subject: PERSONNEL EXPOSURE REPORT BY DUTY FUNCTION

Dear Mr. Fairtile:

Enclosed is the Personnel Exposure Report by Duty Function as required by the Yankee Nuclear Power Station Defueled Technical Specification 6.8.1.a. All doses are attributed to Reference (a).

We trust this information is satisfactory; however, if you have any questions, please contact us.

Sincerely,

YANKEE ATOMIC ELECTRIC COMPANY

J. A. Kay
Principal Licensing Engineer

c: J. White, NRC Region I

180033

JE561

9702180296 970211
PDR ADOCK 05000029
P PDR

YANKEE ATOMIC ELECTRIC COMPANY

REG. GUIDE 1.16 PERSON-REM FINAL END OF THE YEAR REPORT FOR 1986

NUMBER OF PERSONNEL OVER 100 MREM

	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS AND OTHERS	STATION EMPLOYEES	UTILITY EMPLOYEES	TOTAL PERSON-REM	CONTRACT WORKERS AND OTHERS
REACTOR OPERATIONS & SURVEILLANCE							
MAINTENANCE PERSONNEL	0	0	3	0.050	0.069	2.105	
OPERATING PERSONNEL	1	0	0	0.311	0.000	0.151	
HEALTH PHYSICS PERSONNEL	0	0	0	0.018	0.073	0.421	
SUPERVISORY PERSONNEL	0	0	0	0.027	0.037	0.006	
ENGINEERING PERSONNEL	0	1	0	0.005	0.215	0.092	
ROUTINE MAINTENANCE							
MAINTENANCE PERSONNEL	1	0	1	0.293	0.000	0.316	
OPERATING PERSONNEL	0	0	0	0.114	0.000	0.018	
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.128	
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.078	
INSERVICE INSPECTION							
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000	
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000	
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000	
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000	
SPECIAL MAINTENANCE							
MAINTENANCE PERSONNEL	1	0	84	0.357	0.096	49.467	
OPERATING PERSONNEL	1	0	1	0.256	0.000	0.307	
HEALTH PHYSICS PERSONNEL	2	7	49	0.270	3.048	18.523	
SUPERVISORY PERSONNEL	0	0	0	0.009	0.023	0.014	
ENGINEERING PERSONNEL	1	2	2	0.343	0.389	0.449	
WASTE PROCESSING							
MAINTENANCE PERSONNEL	0	0	19	0.005	0.000	7.396	
OPERATING PERSONNEL	0	0	1	0.142	0.000	0.925	
HEALTH PHYSICS PERSONNEL	0	0	9	0.009	0.233	6.211	
SUPERVISORY PERSONNEL	0	0	0	0.064	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0	0.000	0.133	0.069	
REFUELING							
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000	
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000	
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000	
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000	
TOTALS							
MAINTENANCE PERSONNEL	2	0	107	0.705	0.165	59.295	
OPERATING PERSONNEL	2	0	2	0.824	0.000	1.401	
HEALTH PHYSICS PERSONNEL	2	7	58	0.298	3.355	27.263	
SUPERVISORY PERSONNEL	0	0	0	0.101	0.060	0.020	
ENGINEERING PERSONNEL	1	3	2	0.348	0.737	0.687	
GRAND TOTAL	7	10	169	2.276	4.316	96.675	

Kenneth J. O'Brien 2/3/87
SITE MANAGER / DATE

Jsm Calverton 2/3/87
RADIATION PROTECTION & CHEMISTRY MANAGER / DATE

NOTE: DATA DEPICTS DIRECT READING DOSIMETER (DRD) DOSE ADJUSTED TO EXPECTED TLD VALUES. 1986 TLD = 95.266 PERSON-REM 1986 DRD = 104.072 PERSON-REM 1986 TLD/DRD = 0.915385502