



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

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Vice President Nuclear Operations
and Station Director

February 26, 1992
BECO Ltr. 92-018

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

Docket No. 50-293
License No. DPR-35

The enclosed table, "Number of Personnel and Man-Rem by Work and Job Function 1991", is submitted in accordance with the requirements of the Pilgrim Nuclear Power Station Technical Specification (T.S.), Section 6.9.A.3, and as recommended by U.S. NRC Regulatory Guide 1.16.

The total dose measured by Self Indicating Dosimeter (SID) was 544.300 man-rem. SID measurements are used for tracking dose assigned to job functions. As required by T.S. 6.9.A.3, greater than 80% of the total whole body dose received from external sources was accounted for via Radiation Work Permits assigned to specific major work functions.

Please do not hesitate to contact me directly if you have any questions.

ET Boulette

E. T. Boulette

WJM/bal

Enclosure: Number of Personnel and Man-Rem by Work and Job Function 1991

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YES 6.1

NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

DOCKET NO. 50-293
LICENSE NO. DPR-35

| WORK & JOB FUNCTION | NUMBER OF PERSONNEL (>100 mrem) | | | | TOTAL MAN-REM | | | |
|----------------------------|---------------------------------|----------------------|----------------------|------------------|----------------------|----------------------|----------------------|------------------|
| | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT & OTHERS | TOTAL PERSONS | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT & OTHERS | TOTAL MAN-REM |
| REACTOR OPERATIONS & SURV. | | | | | | | | |
| MAINTENANCE PERSONNEL | 14 | 1 | 43 | | 5.966 | .325 | 11.710 | |
| OPERATING PERSONNEL | 72 | 1 | 3 | | 32.400 | .308 | 5.017 | |
| HEALTH PHYSICS PERSONNEL | 34 | 0 | 27 | | 15.325 | .000 | 10.954 | |
| SUPERVISORY PERSONNEL | 30 | 3 | 3 | | 8.158 | .988 | 2.639 | |
| ENGINEERING PERSONNEL | 15 | 0 | 5 | | 5.667 | .104 | 2.381 | |
| TOTAL | 165 | 5 | 81 | 251 | 67.516 | 1.725 | 32.701 | 101.942 |
| ROUTINE MAINTENANCE | | | | | | | | |
| MAINTENANCE PERSONNEL | 98 | 4 | 413 | | 53.894 | 1.940 | 191.544 | |
| OPERATING PERSONNEL | 35 | 1 | 2 | | 7.756 | .161 | .893 | |
| HEALTH PHYSICS PERSONNEL | 30 | 0 | 14 | | 9.270 | .000 | .292 | |
| SUPERVISORY PERSONNEL | 15 | 2 | 28 | | 5.480 | .626 | 9.463 | |
| ENGINEERING PERSONNEL | 12 | 0 | 36 | | 5.133 | .195 | 13.768 | |
| TOTAL | 190 | 7 | 493 | 690 | 81.533 | 2.922 | 219.960 | 304.415 |
| IN-SERVICE INSPECTION | | | | | | | | |
| MAINTENANCE PERSONNEL | 7 | 0 | 157 | | 1.884 | .049 | 63.407 | |
| OPERATING PERSONNEL | 0 | 0 | 0 | | .207 | .000 | .033 | |
| HEALTH PHYSICS PERSONNEL | 1 | 0 | 2 | | .416 | .000 | .903 | |
| SUPERVISORY PERSONNEL | 1 | 0 | 10 | | .317 | .013 | 3.663 | |
| ENGINEERING PERSONNEL | 2 | 0 | 2 | | .661 | .046 | 1.478 | |
| TOTAL | 11 | 0 | 171 | 182 | 3.485 | .108 | 69.484 | 73.077 |
| SPECIAL MAINTENANCE | | | | | | | | |
| MAINTENANCE PERSONNEL | 0 | 0 | 0 | | .000 | .000 | .000 | |
| OPERATING PERSONNEL | 0 | 0 | 0 | | .000 | .000 | .000 | |
| HEALTH PHYSICS PERSONNEL | 0 | 0 | 0 | | .000 | .000 | .000 | |
| SUPERVISORY PERSONNEL | 0 | 0 | 0 | | .000 | .000 | .000 | |
| ENGINEERING PERSONNEL | 0 | 0 | 0 | | .000 | .000 | .000 | |
| TOTAL | 0 | 0 | 0 | 0 | .000 | .000 | .000 | .000 |

NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION

DOCKET NO. 50-293
LICENSE NO. DPR-35

| WORK & JOB FUNCTION | NUMBER OF PERSONNEL (>100 mrem) | | | | TOTAL MAN-REM | | | |
|--------------------------|---------------------------------|----------------------|----------------------|------------------|----------------------|----------------------|----------------------|------------------|
| | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT & OTHERS | TOTAL PERSONS | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT & OTHERS | TOTAL MAN-REM |
| WASTE PROCESSING | | | | | | | | |
| MAINTENANCE PERSONNEL | 9 | 1 | 13 | | 2.009 | .117 | 3.830 | |
| OPERATING PERSONNEL | 8 | 1 | 0 | | 2.958 | .364 | .014 | |
| HEALTH PHYSICS PERSONNEL | 6 | 0 | 0 | | 1.781 | .000 | .147 | |
| SUPERVISORY PERSONNEL | 3 | 0 | 0 | | .837 | .001 | .013 | |
| ENGINEERING PERSONNEL | 0 | 0 | 0 | | .039 | .000 | .001 | |
| TOTAL | 26 | 2 | 13 | 41 | 7.624 | .482 | 4.005 | 12.111 |
| REFUELING | | | | | | | | |
| MAINTENANCE PERSONNEL | 5 | 1 | 73 | | 3.090 | .179 | 34.106 | |
| OPERATING PERSONNEL | 5 | 0 | 0 | | 2.124 | .000 | .355 | |
| HEALTH PHYSICS PERSONNEL | 3 | 0 | 5 | | 2.255 | .000 | 1.458 | |
| SUPERVISORY PERSONNEL | 4 | 0 | 9 | | 1.194 | .005 | 3.261 | |
| ENGINEERING PERSONNEL | 3 | 0 | 10 | | .833 | .026 | 3.869 | |
| TOTAL | 20 | 1 | 97 | 118 | 9.496 | .210 | 43.049 | 52.755 |
| TOTAL BY JOB FUNCTION | | | | | | | | |
| MAINTENANCE PERSONNEL | 133 | 7 | 699 | | 66.843 | 2.610 | 304.597 | |
| OPERATING PERSONNEL | 120 | 3 | 5 | | 45.445 | .833 | 6.312 | |
| HEALTH PHYSICS PERSONNEL | 74 | 0 | 48 | | 29.047 | .000 | 17.754 | |
| SUPERVISORY PERSONNEL | 53 | 5 | 50 | | 15.986 | 1.633 | 19.009 | |
| ENGINEERING PERSONNEL | 32 | 0 | 53 | | 12.333 | .371 | 21.497 | |
| GRAND TOTAL | 412 | 15 | 855 | 1,282 | 169.654 | 5.447 | 369.169 | 544.300 |