



Consumers
Power

**POWERING
MICHIGAN'S PROGRESS**

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Nuclear Regulatory Commission
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DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT -
1987 ANNUAL OPERATING REPORT - OCCUPATIONAL EXPOSURE

The annual report covering occupational exposure during 1987 as required by
Palisades Technical Specification 6.9.1.b is attached.

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CC Administrator, Region III, NRC
NRC Resident Inspector - Palisades

Attachment

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ATTACHMENT

Consumers Power Company
Palisades Plant
Docket 50-255

1987 ANNUAL OPERATING REPORT
OCCUPATIONAL EXPOSURE

February 29, 1988

2 Pages

IESB
1/1

1987 Occupational Radiation Exposure

The attached table summarizes personnel radiation exposure by job function, workgroup and employer for the year 1987.

The attached table and the method by which it was prepared meet the reporting requirements of Section 6.9.1.b of the Palisades Plant Technical Specifications.

The exposures were derived from Direct Reading Dosimeter (DRD) data and were then adjusted by a factor which corrects the DRD exposure so that it is equal to the thermoluminescent dosimeter exposure used in compiling the official radiation exposure record for each individual. This correction is applied to each job function/workgroup/employer category on the attached table.

Special maintenance activities for the year 1987 included reracking the Spent Fuel Pool, adding oil to Primary Coolant Pumps during power operation, removing and packaging irradiated hardware from the Spent Fuel Pool, and various valve repairs.

PALISADES NUCLEAR PLANT
REGULATORY GUIDE 1.16 APPENDIX A ANNUAL REPORT

Job Function Work Group	Number of Personnel (> 100 mrem)			Total Man-Rem		
	Station	Utility	Contract & Other	Station	Utility	Contract & Other
Reactor Operations & Surveillance						
Maintenance Personnel	17	0	30	6.017	0.054	9.399
Operations Personnel	52	0	10	27.913	0.055	3.998
Health Physics Personnel	20	0	21	7.247	0.007	6.388
Supervisory Personnel	31	1	6	8.949	0.480	1.159
Engineering Personnel	11	2	3	2.874	0.947	2.117
Routine Maintenance						
Maintenance Personnel	106	65	156	72.133	60.313	73.966
Operations Personnel	5	0	12	2.119	0.097	6.136
Health Physics Personnel	21	0	58	9.257	0.000	24.836
Supervisory Personnel	10	6	2	3.410	1.498	0.717
Engineering Personnel	5	8	79	1.690	3.402	46.374
Inservice Inspection						
Maintenance Personnel	0	0	0	0.000	0.118	0.124
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	0	0	18	0.051	0.000	3.722
Supervisory Personnel	0	0	0	0.000	0.000	0.007
Engineering Personnel	0	2	28	0.000	1.093	16.568
Special Maintenance						
Maintenance Personnel	3	0	0	1.266	0.041	0.106
Operations Personnel	0	0	1	0.472	0.000	0.112
Health Physics Personnel	2	0	1	0.734	0.000	0.307
Supervisory Personnel	0	0	1	0.202	0.023	0.214
Engineering Personnel	0	0	5	0.192	0.000	0.997
Waste Processing						
Maintenance Personnel	5	0	0	3.876	0.003	0.000
Operations Personnel	0	0	0	0.232	0.076	0.070
Health Physics Personnel	4	0	0	2.514	0.000	0.007
Supervisory Personnel	1	0	0	0.417	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
Refueling						
Maintenance Personnel	0	0	0	0.000	0.000	0.000
Operations 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	131	65	186	83.292	60.529	83.595
Operations Personnel	57	0	23	30.736	0.228	10.316
Health Physics Personnel	47	0	98	19.803	0.007	35.260
Supervisory Personnel	42	7	9	12.978	2.001	2.097
Engineering Personnel	16	12	115	4.756	5.442	66.056
GRAND TOTALS:	293	84	431	151.565	68.207	197.324