



**Consumers
Power**

**POWERING
MICHIGAN'S PROGRESS**

Palisades Nuclear Plant: 27780 Blue Star Memorial Highway, Covert, MI 49043

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Plant Safety and Licensing Director

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Washington, D.C. 20555

**DOCKET 50-255 LICENSE DPR-20 - PALISADES PLANT -
1994 ANNUAL OPERATING REPORT - OCCUPATIONAL EXPOSURE**

Attached is the Palisades Plant annual report on occupational exposure for the year 1994. This report was prepared in accordance with Palisades Plant Technical Specifications, Section 6.9.1.b.

KMHaas
Plant Safety and Licensing Director

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

Attachment

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ATTACHMENT

**Consumers Power Company
Palisades Plant
Docket 50-255**

**1994 ANNUAL OPERATING REPORT
OCCUPATIONAL EXPOSURE**

1994 Occupational Radiation Exposure

The attached table summarizes personnel radiation exposure by job function, workgroup and employer for the year 1994. The methodology and format used to prepare the table meet the reporting requirements of Section 6.9.1.b of the Palisades Plant Technical Specifications.

Occupational exposures, derived from Direct Reading Dosimeter (DRD) and Electronic Dosimeter (ED) data, are adjusted by a factor that corrects the DRD and ED exposure data equivalent to the legal record radiation dose for each individual as measured by thermoluminescent dosimeter. This correction factor is applied to each job function, workgroup and employer category on the attached table.

Special maintenance activities conducted for the year 1994 include: Extensive inspections and repairs of safety related piping hangers, modification of the spent fuel pool crane, and the verification of the reactor vessel insulation panel's configuration and associated 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
Routine Operations & Surv.						
Maintenance Personnel	2	0	0	0.872	0.010	0.171
Operations Personnel	32	0	0	7.307	0.003	0.390
Health Physics Personnel	17	0	4	3.375	0.000	1.809
Supervisory Personnel	4	0	0	1.273	0.019	0.038
Engineering Personnel	1	0	1	1.537	0.032	0.488
Routine Maintenance						
Maintenance Personnel	54	0	10	13.769	0.375	4.201
Operations Personnel	0	0	2	0.166	0.004	1.106
Health Physics Personnel	14	0	4	3.367	0.000	1.453
Supervisory Personnel	3	0	1	0.587	0.000	0.425
Engineering Personnel	3	2	3	0.882	0.599	1.449
Inservice Inspection						
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	0.010
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.006	0.007	0.000
Special Maintenance						
Maintenance Personnel	1	0	25	0.485	0.038	6.595
Operations Personnel	0	0	1	0.013	0.000	0.220
Health Physics Personnel	4	0	2	1.026	0.000	0.459
Supervisory Personnel	1	0	0	0.232	0.000	0.018
Engineering Personnel	0	0	3	0.023	0.029	1.164
Waste Processing						
Maintenance Personnel	1	6	1	0.274	0.878	0.671
Operations Personnel	0	0	1	0.239	0.000	0.198
Health Physics Personnel	5	0	0	1.322	0.000	0.142
Supervisory Personnel	0	0	0	0.218	0.000	0.029
Engineering Personnel	0	0	0	0.185	0.044	0.193
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
TOTAL						
Maintenance Personnel	58	6	36	15.399	1.301	11.638
Operations Personnel	32	0	4	7.725	0.007	1.914
Health Physics Personnel	40	0	10	9.090	0.000	3.873
Supervisory Personnel	8	0	1	2.310	0.019	0.510
Engineering Personnel	4	2	7	2.634	0.711	3.294
GRAND TOTAL	142	8	58	37.159	2.038	21.228