

Regulatory

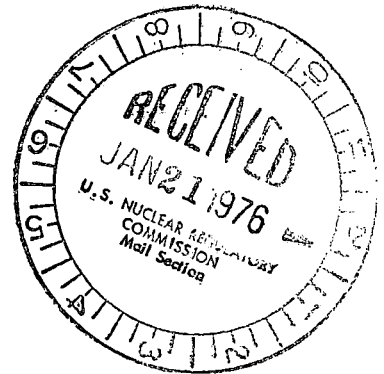
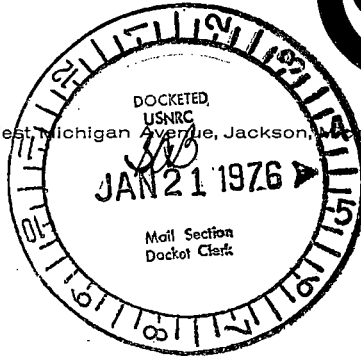
File 976



**Consumers
Power
Company**

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

January 15, 1976



Director of Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-255, LICENSE DPR-20 -
PALISADES PLANT

Attached are the monthly effluent reports for October and November 1975.
These reports are submitted in accordance with Appendix B to Provisional
Operating License DPR-20.

R B Sewell

R. B. Sewell
Nuclear Licensing Administrator

CC: JGKeppler, USNRC-IE
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PALISADES PLANT
MONTHLY EFFLUENT REPORT, OCTOBER, 1975

Isotope	Modified Liquid Radioactive Waste System (Ci)
Cr-51	4.4 E-05
Mn-54	8.07E-04
Fe-59	2.5 E-05
Co-57	1.5 E-05
Co-58	1.84E-03
Co-60	1.55E-03
I-131	1.72E-03
Cs-134	7.43E-04
Cs-136	8.0 E-06
Cs-137	2.11E-03
La-140	5.3 E-05
Ni-63	3.57E-02
Net Unidentified Beta	1.17E-03
Total Fission & Activation Products (Less H-3 & Noble Gasses)	4.58E-02
H-3	3.19E+00
Xe-133	1.04E-04
Batches Released	16
Total Volume Released (Liters)	2.13E+06
Core Avg. B-U - 10,558 mwd/t	

Isotope	Laundry System Drains (Ci)
Mn-54	2.75E-04
Co-58	6.59E-04
Co-60	2.59E-04
I-131	1.11E-03
I-133	5.0 E-06
Cs-134	8.07E-04
Cs-137	2.04E-03
Cs-136	9.0 E-06
Ni-63	8.31E-03
Net Unidentified Beta	6.62E-03
Total Fission & Activation Products (less H-3 & Noble Gasses)	2.01E-02
H-3	9.24E-03
Xe-133	2.35E-03
Batches Released	2
Total Volume Released (Liters)	1.94E+04

Isotope	Gaseous Waste & Stack Effluent (Ci)
Xe-131M	1.62E-01
Xe-133	3.37E+00
Xe-135	2.57E-01
Kr-85	7.52E-01
Total Noble Gasses	4.54E+00
I-131	1.62E-03
I-133	3.23E-04
Total Halogens	1.94E-03
Net Unidentified Beta	2.54E-06
Total Particulates Alpha	2.54E-06 2.02E-07
Batches Released	3
Total Stack Volume Released	8.82E+07m ³

PALISATES PLANT
MONTHLY EFFLUENT REPORT, NOVEMBER, 1975

Isotope	Modified Liquid Radioactive Waste System (Ci)	Isotope	Laundry System Drains (Ci)	Isotope	Gaseous Waste & Stack Effluent (Ci)
Mn-54	1.67E-03	Mn-54	2.52E-04	Xe-131M	6.27E-02
Co-57	6.0 E-06	Co-58	5.25E-04	Xe-133	6.25E+01
Co-58	1.33E-03	Co-60	4.37E-04	Xe-135	3.54E+01
Co-60	1.97E-03	I-131	1.92E-03	Kr-85	7.01E-01
I-131	8.51E-04	I-133	1.15E-04		
I-133	2.2 E-05	Cs-134	7.04E-04	Total Noble Gasses	9.87E+01
Cs-134	6.90E-04	Cs-137	1.86E-03		
Cs-137	1.90E-02	La-140	9.0 E-06	I-131	1.46E-03
La-140	6.0 E-06	Ni-63	3.03E-03	I-133	4.27E-04
Ni-63	2.57E-02	Net Unidentified Beta	1.95E-03		
Net Unidentified Beta	4.41E-04	Total Fission & Activation Products (less H-3 & Noble Gasses)	1.08E-02	Total Halogens	1.89E-03
Total Fission & Activation Products (Less H-3 & Noble Gasses)	5.17E-02	H-3	2.77E-02	Net Unidentified Beta	3.84E-06
H-3	3.14E+00	Xe-133	2.70E-03	Total Particulates Alpha	3.84E-06 4.76E-07
Xe-133	1.45E-03	Xe-135	3.50E-05	Batches Released	4
Batches Released	14	Batches Released	4	Total Stack Volume Released	1.05E+02m ³
Total Volume Released (Liters)	2.27E+06	Total Volume Released (Liters)	3.76E+04		
Core Avg. B-U -	11,162 Mwd/T				