



Consumers
Power
Company

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

July 24, 1975

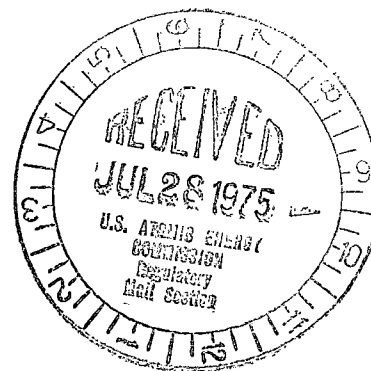
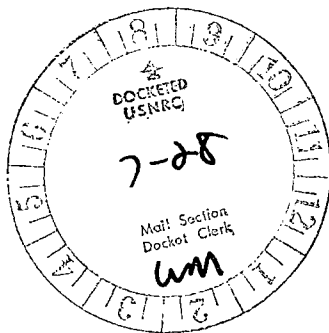
Division of Reactor Licensing
US Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-255, LICENSE DPR-20
PALISADES PLANT, APRIL AND
MAY EFFLUENT REPORTS

Attached are the April and May 1975 Effluent Reports for the Palisades Plant. These reports are submitted in accordance with the requirements of the Interim Special Technical Specifications (dated October 16, 1972) of our Provisional Operating License DPR-20.

Ralph B. Sewell
Nuclear Licensing Administrator

CC: File



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PALISADES PLANT
Monthly Effluent Report - April 1975

Isotope	Modified Liquid Radioactive Waste System (mCi)	Isotope	Laundry System Drains (mCi)	Isotope	Gaseous Waste & Stack Effluent (mCi)
^{58}Co	2.51E-01	^{54}Mn	2.45E+00	^{133}Xe	5.02E+02
^{60}Co	4.35E-01	^{59}Fe	7.5E-02	$^{133}\text{Xe(m)}$	1.62E+01
^{131}I	3.5E+00	^{57}Co	9.0E-02	^{135}Xe	6.84E+01
^{132}I	5.9E-02	^{58}Co	3.00E+00	^{41}Ar	4.09E-01
^{133}I	1.27E+00	^{60}Co	6.11E+00	^{85}Kr	2.17E+00
^{135}I	1.50E-01	^{65}Zn	4.7E-02	$^{85}\text{Kr(m)}$	2.32E-01
Total Fission & Activation Products (Less ^3H and Dissolved Noble Gases)	5.66E+00	^{131}I	8.54E-01	^{88}Kr	5.55E-01
^3H	3.74E+02	^{133}I	1.74E-01	Total Noble Gases	5.90E+02
Batches Released	2	^{134}Cs	7.53E-01	^{131}I	4.91E+00
Total Volume Released	4.56E+06	^{137}Cs	2.24E-01	^{132}I	1.15E-02
Core Average Burnup	7429.1 MWd/MTU	Net Unidentified Beta (as ^{90}Sr)	6.24E+00	^{133}I	2.59E+00
		^{63}Ni	6.52E+00	^{135}I	1.45E-01
		Total Fission & Activation Products (Less ^3H and Dissolved Noble Gases)	2.86E+01	Total Halogens	7.66E+00
		^3H	1.57E+01	Net Unidentified Beta (as ^{90}Sr)	4.00E-02
		^{133}Xe	1.02E+01	Total Particulates	4.00E-02
		$^{133}\text{Xe(m)}$	2.69E-01	Alpha	2.22E-04
		^{135}Xe	2.66E-01	Batches Released	1
		Batches Released	2	Total Stack Volume Released	8.72E+07 m ³
		Total Volume Released	1.93E+04 Liters		

PALISADES PLANT
Monthly Effluent Report - May 1975

Isotope	Modified Liquid Radioactive Waste System (mCi)	Isotope	Laundry System Drains (mCi)	Isotope	Gaseous Waste & Stack Effluent (mCi)
⁵⁸ Co	8.3E-01	⁵⁴ Mn	1.7E-01	¹³³ Xe	3.82E+04
⁶⁰ Co	3.15E+00	⁵⁸ Co	2.4E-01	¹³³ Xe(m)	8.68E+00
¹³¹ I	1.57E+00	⁶⁰ Co	3.4E-01	¹³⁵ Xe	4.17E+01
¹³³ I	1.8E-01	¹³¹ I	2.76E+00	⁸⁵ Kr	2.09E-01
Total Fission & Activation Products (Less ³ H and Dissolved Noble Gases)	5.72E+00	¹³⁴ Cs	1.6E-01	⁸⁵ Kr(m)	1.20E-01
³ H	2.32E+03	¹³⁶ Cs	1.0E-02	Total Noble Gases	3.82E+04
Batches Released	1	¹³⁷ Cs	4.9E-01	¹³¹ I	2.65E+00
Total Volume Released	7.81E+06 Liters	⁶³ Ni	9.0E-01	¹³³ I	3.98E-01
Core Average Burnup	8089.7 MWd/MTU	Total Fission & Activation Products (Less ³ H and Dissolved Noble Gases)	5.07E+00	Total Halogens	3.04E+00
		³ H	4.41E+01	⁵⁴ Mn	4.39E-04
		¹³³ Xe	6.07E+00	⁵⁸ Co	1.23E-01
		Batches Released	1	⁶⁰ Co	1.97E-03
		Total Volume Released	1.89E+05 Liters	Net Unidentified Beta (as ⁹⁰ Sr)	1.67E-02
				Total Particulates	1.42E-01
				Alpha	2.21E-04
				Batches Released	7
				Total Stack Volume Released	1.05 E+08 M ³