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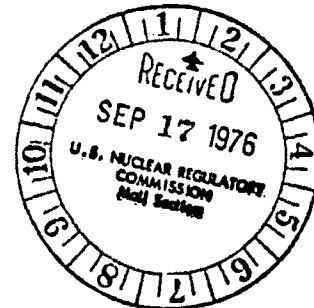
**Consumers  
Power  
Company**

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

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September 15, 1976

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



DOCKET 50-155, LICENSE DPR-6 -  
BIG ROCK POINT PLANT

By letter dated August 31, 1976, Consumers Power Company submitted radioactive effluent summaries for the Big Rock Point Plant for the period January 1, 1976 through June 30, 1976. Since that time, further review of these summaries has indicated an error in the June liquid effluent total. In addition, the information submitted did not include the Strontium 89/90 results for June because they were not available until recently. The attached table titled "Radioactive Liquid Releases" corrects the June error and also provides the strontium results. Please substitute it for the corresponding table submitted with the August 31, 1976 letter.

Ralph B. Sewell (Signed)

Ralph B. Sewell  
Nuclear Licensing Administrator

CC: JGKepler, USNRC

9462

1976

Consumers Power Company  
Big Rock Point Plant, Docket No 50-155  
Radioactive Liquid Releases

	UNITS	JANUARY	FEBRUARY	MARCH	FIRST QUARTER	APRIL	MAY	JUNE	SECOND QUARTER	SIX-MONTH TOTAL
Total Radioactivity Released (Except Tritium, Dissolved Gases and Alpha)	Curies	2.54E-02	1.13E-01	5.65E-02	1.95E-01	1.56E-01	5.64E-02	1.59E-01	3.71E-01	5.66E-01
Volume of Waste Discharged	Liters	1.42E+04	8.13E+04	7.23E+04	1.68E+05	5.94E+04	7.22E+04	5.94E+04	1.91E+05	3.59E+05
Average Concentration of Waste Prior to Discharge	µCi/ml	1.79E-03	1.39E-03	7.82E-04	1.16E-03	2.63E-03	7.81E-04	2.67E-03	1.95E-03	1.58E-03
Volume of Circulating Discharge Water	Liters	8.43E+09	3.83E+09	2.56E+09	1.48E+10	8.78E+08	1.90E+09	7.76E+09	1.05E+10	2.54E+10
Average Concentration Released (Except Tritium, Dissolved Gases and Alpha)	µCi/ml	3.01E-09	2.95E-08	2.21E-08	1.32E-08	1.78E-07	2.97E-08	2.04E-08	3.54E-08	2.23E-08
Maximum Concentration (Except Tritium, Dissolved Gases and Alpha)	µCi/ml	3.41E-07	7.79E-07	1.07E-06	1.07E-06	1.63E-06	8.32E-07	6.20E-06	6.20E-06	6.20E-06
Percent of Applicable Limits	%	4.69E-02	6.13E-01	3.43E-01	2.45E-01	1.21E+00	2.09E-01	1.93E-01	2.82E-01	2.58E-01
Tritium Released	Curies	1.04E-03	5.20E-02	1.45E-02	6.75E-02	1.84E-01	4.84E-01	8.79E-01	1.55E+00	1.61E+00
Average Tritium Concentration Released	µCi/ml	1.23E-10	1.36E-08	5.65E-09	4.56E-09	2.10E-07	2.55E-07	1.13E-07	1.48E-07	6.34E-08
Total Gross Alpha Released	Curies	7.68E-05	7.84E-06	8.05E-06	9.27E-05	6.74E-06	4.34E-06	1.01E-05	2.12E-05	1.14E-04
Average Alpha Concentration	µCi/ml	9.11E-12	2.05E-12	3.14E-12	6.26E-12	7.68E-12	2.28E-12	1.30E-12	2.02E-12	4.49E-12
Isotopes	Curies									
Cs-134-----		2.01E-03	1.34E-02	4.19E-03	1.96E-02	2.84E-02	9.26E-03	2.79E-02	6.56E-02	8.52E-02
Cs-137-----		8.31E-03	2.51E-02	7.70E-03	4.11E-02	8.36E-02	3.04E-02	8.45E-02	1.99E-01	2.4 E-01
Mn-54-----		7.91E-04	1.71E-03	4.36E-03	6.86E-03	4.07E-03	2.32E-03	3.79E-03	1.02E-02	1.70E-02
Zn-65-----		4.63E-04	2.85E-04	1.03E-03	1.78E-03	1.47E-03	7.06E-04	1.68E-03	3.86E-03	5.63E-03
Co-60-----		4.54E-03	1.28E-02	1.80E-02	3.53E-02	3.12E-02	1.10E-02	2.06E-02	6.28E-02	9.81E-02
Na-24-----		1.52E-05	-----	-----	1.52E-05	-----	-----	-----	-----	1.52E-05
Sr-89-----		1.70E-06	4.88E-05	2.82E-05	7.87E-05	2.38E-06	2.74E-05	7.72E-05	1.07E-04	1.86E-04
Sr-90-----		2.27E-05	1.55E-04	1.16E-04	2.94E-04	2.91E-05	4.77E-05	1.07E-04	1.84E-04	4.78E-04
Co-58-----		-----	-----	2.11E-04	2.11E-04	5.76E-04	3.02E-05	2.43E-04	8.49E-04	1.06E-03
Fe-59-----		-----	-----	2.96E-04	2.96E-04	6.00E-04	5.13E-05	1.88E-04	8.39E-04	1.14E-03
Net Unidentified Beta		9.23E-03	5.93E-02	2.06E-02	8.91E-02	6.16E-03	2.57E-03	1.96E-02	2.83E-02	1.17E-01
Percent of Total Identified	%	63.6	47.4	63.6	54.2	> 95	> 95	87.6	92.4	79.3

Revised Sept 13, 1976