

8105270168

CORNING POWER CORP
BIG ROCK POINT PLANT, BUCKET NO 20-155
ATMOSPHERIC RELEASE OF RADIOACTIVE MATERIAL

1YR

UNITS	JANUARY	FEBRUARY	MARCH	APRIL/MAY/JUNE	JULY	AUG	SEPTEMBER	OCT-NOV	TOTAL
Total Noble Gases	Curie	7.57E-01	-----	-----	7.57E-01	-----	-----	-----	7.57E-01
Total Helium		1.75E-01	4.36E-01	1.77E-01	6.21E-01	8.21E-06	-----	-----	6.21E-01
Total Particulates (✓)		1.56E-01	1.87E-01	1.57E-01	2.70E-01	6.46E-01	2.77E-01	2.55E-01	2.11E-01
Total Tritium		9.56E-01	1.47E-01	1.53E-01	1.23E-01	1.48E-01	1.57E-01	1.42E-01	1.68E-01
Total Particulates - Gross Alpha		5.48E-07	2.24E-07	1.27E-07	8.97E-07	2.95E-07	8.55E-07	3.61E-07	9.11E-07
Maximum Noble Gas Release Rate	μCi/s	6.17E-01	-----	-----	6.17E-01	-----	-----	-----	6.17E-01
Percent of Technical Specifications	%	-----	-----	-----	-----	-----	-----	-----	-----
Noble Gases		2.81E-01	-----	-----	9.56E-01	-----	-----	-----	4.78E-01
Helium		6.30E-02	1.41E-01	5.49E-01	6.17E-02	2.61E-01	-----	8.77E-01	3.08E-02
Particulates (✓)		1.63E-02	2.86E-01	8.13E-01	1.70E-02	1.37E-02	2.68E-01	1.77E-01	1.88E-02
Isotopes Released	Curie	-----	-----	-----	-----	-----	-----	-----	-----
Helium		-----	-----	-----	-----	-----	-----	-----	-----
1-311		1.26E-01	4.23E-01	1.77E-01	5.67E-01	8.21E-06	-----	-----	5.67E-01
1-131		4.95E-01	5.20E-01	-----	5.47E-01	-----	-----	-----	5.47E-01
Particulates		-----	-----	-----	-----	-----	-----	-----	-----
Co-134		4.54E-01	1.07E-01	-----	6.36E-01	8.19E-07	1.77E-01	1.56E-01	9.27E-01
Co-137		9.27E-01	6.53E-01	-----	1.37E-01	7.68E-01	1.46E-01	8.58E-01	4.14E-01
Mo-110		7.01E-01	-----	-----	7.01E-01	-----	-----	-----	7.01E-01
Co-60		8.55E-01	2.75E-01	1.75E-01	4.95E-01	1.97E-01	1.19E-01	1.06E-01	8.27E-01
Not Identified Data		1.04E-01	8.43E-01	2.16E-01	1.54E-01	3.45E-01	1.07E-01	4.94E-01	4.33E-01
Noble Gases		-----	-----	-----	-----	-----	-----	-----	-----
10-138		1.11E-01	-----	-----	1.11E-01	-----	-----	-----	1.11E-01
10-87		1.19E-01	-----	-----	1.19E-01	-----	-----	-----	1.19E-01
10-89		1.08E-01	-----	-----	1.08E-01	-----	-----	-----	1.08E-01
10-85a		4.17E-02	-----	-----	4.17E-02	-----	-----	-----	4.17E-02
10-135		1.69E-01	-----	-----	1.69E-01	-----	-----	-----	1.69E-01
10-133		1.13E-01	-----	-----	1.13E-01	-----	-----	-----	1.13E-01
10-143		-----	-----	-----	-----	-----	-----	-----	-----
10-7A		-----	-----	-----	-----	-----	-----	-----	-----
10-91		-----	-----	-----	-----	-----	-----	-----	-----
10-141		-----	-----	-----	-----	-----	-----	-----	-----
10-92		-----	-----	-----	-----	-----	-----	-----	-----
10-71		-----	-----	-----	-----	-----	-----	-----	-----
10-140		1.07E-01	-----	-----	1.07E-01	-----	-----	-----	1.07E-01
10-50		1.55E-01	-----	-----	1.55E-01	-----	-----	-----	1.55E-01
10-179		5.20E-01	-----	-----	5.20E-01	-----	-----	-----	5.20E-01
10-89		7.91E-01	-----	-----	7.91E-01	-----	-----	-----	7.91E-01
10-137		1.37E-02	-----	-----	1.37E-02	-----	-----	-----	1.37E-02
10-175a		1.01E-02	-----	-----	1.01E-02	-----	-----	-----	1.01E-02
10-83a		2.09E-02	-----	-----	2.09E-02	-----	-----	-----	2.09E-02
10-135a		1.70E-01	-----	-----	1.70E-01	-----	-----	-----	1.70E-01
10-135b		5.08E-01	-----	-----	5.08E-01	-----	-----	-----	5.08E-01
10-85		1.11E-01	-----	-----	1.11E-01	-----	-----	-----	1.11E-01
1-11		6.67E-01	-----	-----	6.67E-01	-----	-----	-----	6.67E-01

546212

1976

Chesmore Power Company
 Big Rock Point Plant, Bucket No 50-155
 Inductive Liquid Releases

546213

	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	3.06E-01	5.18E-01	7.17E-01
Volume of Waste Discharged	Liters	1.42E-04	8.13E-04	7.23E-04	1.68E-03	5.94E-04	7.22E-04	5.94E-04	1.91E-03	3.94E-03
Average Concentration of Waste Prior to Discharge	µCi/ml	1.75E-03	1.37E-03	7.82E-04	1.16E-03	2.63E-03	7.81E-04	5.14E-03	2.71E-03	1.98E-03
Volume of Circulating Discharge Water	Liters	8.43E-09	1.83E-09	2.56E-09	1.48E-10	8.78E-08	1.50E-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	2.71E-08	1.32E-08	1.78E-07	2.97E-08	1.94E-08	4.93E-08	2.80E-08
Maximum Concentration (Except Tritium, Dissolved Gases and Alpha)	µCi/ml	1.41E-07	7.79E-07	1.07E-06	1.07E-06	1.63E-06	8.32E-07	6.10E-06	6.30E-06	6.70E-06
Percent of Applicable Limits	%	4.62E-02	6.13E-01	1.43E-01	2.45E-01	1.21E-02	2.02E-01	2.32E-02	2.15E-02	2.02E-02
Tritium Released	Curies	1.04E-03	5.20E-02	1.45E-02	6.75E-02	1.84E-01	4.84E-01	2.72E-01	1.55E-00	3.61E-00
Average Tritium Concentration Released	µCi/ml	1.23E-10	1.56E-08	5.65E-09	4.56E-09	2.10E-07	2.55E-07	1.13E-07	1.68E-07	6.34E-08
Total Gross Alpha Released	Curies	7.68E-05	7.84E-06	8.05E-06	2.27E-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	1.14E-12	6.38E-12	7.68E-12	2.38E-12	1.30E-12	2.02E-12	4.42E-12
Isotopes	Curies									
Co-134.....		2.01E-01	1.74E-02	4.12E-01	1.72E-02	2.84E-02	2.24E-01	1.54E-02	7.13E-02	9.02E-02
Co-137.....		8.31E-03	2.51E-02	7.70E-03	4.11E-02	8.56E-02	3.04E-02	1.50E-01	3.04E-01	1.45E-01
Eu-154.....		7.91E-04	1.71E-03	4.34E-03	6.85E-03	4.07E-03	2.32E-03	1.72E-03	1.02E-02	1.70E-02
Eu-155.....		4.63E-04	2.85E-04	1.03E-03	1.78E-03	1.47E-03	7.65E-04	1.60E-03	1.86E-03	5.61E-03
Ce-144.....		4.54E-03	1.20E-02	1.80E-02	1.53E-02	3.12E-02	1.10E-02	2.48E-02	6.70E-02	1.02E-01
Eu-152.....		1.52E-05			1.52E-05					1.52E-05
Br-82.....		1.70E-06	4.80E-05	2.82E-05	7.87E-05	2.32E-06	2.74E-05	NA	2.98E-05	1.08E-04
Br-99.....		2.27E-05	1.55E-04	1.16E-04	2.54E-04	2.91E-05	4.77E-05	NA	7.68E-05	1.71E-04
Ce-141.....				2.11E-04	2.11E-04	5.76E-04	3.02E-05	2.43E-04	8.49E-04	1.06E-03
Po-210.....				2.94E-04	2.94E-04	6.00E-04	5.11E-05	1.80E-04	8.32E-04	1.14E-03
Not Identified Beta		9.23E-03	5.91E-02	2.06E-02	8.91E-02	6.16E-03	2.57E-03	5.13E-02	6.00E-02	1.69E-01
Percent of Total Identified	%	61.6	47.4	63.6	54.2	> 95	> 95	83.2	88.4	79.1

NOTE:

* Does not include June Strontium results - will be reported in next Semi-Annual.