

BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

8432

UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
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A. Fission and Activation Gas Releases

1. Total Release Activity	Ci	4.39E+1	9.85E+1	1.33E+2	2.75E+2	2.94E+2	4.74E+2	3.43E+2	1.11E+3
2. Maximum Release Rate	uCi/sec	8.42E+2	1.54E+3	2.00E+3	2.00E+3	2.98E+3	3.12E+3	1.52E+3	3.12E+3
3. % of 10CFR20 Limits*									
a. Whole Body (500 mrem/year)	%	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
b. Skin (3000 mrem/year)	%	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
4. % of 10CFR50 Limits									
a. Gamma Quarterly (5 mrad)	%	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.08
b. Beta Quarterly (10 mrad)	%	0.00	0.02	0.02	0.04	0.03	0.06	0.05	0.14
c. Gamma Annual (10 mrad)	%	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03
d. Beta Annual (20 mrad)	%	0.00	0.01	0.01	0.02	0.02	0.03	0.02	0.07

B. Iodine Releases

1. Total I-131 and I-133 Activity	Ci	5.83E-4	1.63E-4	8.52E-5	8.31E-4	2.97E-3	1.94E-3	1.19E-3	6.10E-3
2. % of 10CFR20/10CFR50 Limits**									

* % of 10CFR20 limits is based on the maximum release rate for the period considered.

** Iodine, particulate, and tritium limits are expressed as a total limit. See Step E.

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
GASEOUS EFFLUENTS - SUMMARY OF ALL RELEASES

		1st QUARTER					2nd QUARTER	
		January	February	March	April	May	June	
C. Particulate (> 8 day half-life) Releases								
1. Gross Activity	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
2. Gross Alpha Activity	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
3. % of 10CFR20/10CFR50 Limits**								
D. Tritium Releases								
1. Total Release Activity	Ci	3.00E-1	1.42E-1	1.77E-1	6.19E-1	4.65E-1	1.49E-1	6.53E-1
2. % of 10CFR20/10CFR50 Limits**								
E. Sum of Iodine, Particulate (> 8 day half-life), and Tritium Releases								
1. Total Activity	Ci	3.01E-1	1.42E-1	1.77E-1	6.20E-1	4.68E-1	1.51E-1	6.60E-1
2. % of 10CFR20 Limit								
a. Any Organ (1500 mrem/year)	%	10.00	0.00	0.00	0.00	0.00	0.00	0.00
3. % of 10CFR50 Limit								
a. Quarterly Any Organ (7.5 mrem)	%	10.00	0.00	0.00	0.00	0.16	0.14	0.30
b. Annual Any Organ (15.0 mrem)	%	0.00	0.00	0.00	0.00	0.08	0.07	0.15

** Iodine, particulate, and tritium limits are expressed as a total limit. See Step E.

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
GASEOUS EFFLUENTS - VENT STACK RELEASES

ISOTOPES RELEASED	UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
F. Fission and Activation Gas Releases									
Xe-131m	Ci	3.54E-1	0.00E+0	5.78E-1	9.32E-1	1.90E+0	5.93E-1	1.42E+0	3.91E+0
Xe-133m	Ci	4.27E-1	8.51E-1	1.05E+0	2.32E+0	8.55E-1	6.10E+0	1.46E+0	8.42E+0
Xe-135m	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Xe-133	Ci	4.20E+1	9.65E+1	1.30E+2	2.69E+2	2.87E+2	4.56E+2	3.36E+2	1.08E+3
Xe-135	Ci	5.26E-1	9.86E-1	1.14E+0	2.65E+0	8.40E-1	8.80E+0	2.21E+0	1.19E+1
Kr-85m	Ci	2.11E-2	5.35E-2	9.06E-2	1.65E-1	2.58E-2	6.01E-2	4.23E-2	1.28E-1
Kr-85	Ci	4.86E-1	0.00E+0	2.94E-1	7.80E-1	3.41E+0	7.03E-1	1.95E+0	6.06E+0
Kr-87	Ci	2.12E-3	0.00E+0	3.45E-3	5.57E-3	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Kr-88	Ci	2.03E-2	1.63E-2	8.30E-3	4.49E-2	1.05E-2	2.05E-3	1.28E-1	1.41E-1
Ar-41	Ci	5.48E-2	4.12E-2	8.46E-2	1.81E-1	8.08E-2	1.07E-1	9.74E-2	2.85E-1
Others (Specify)									

G. Iodine Releases

I-131	Ci	3.59E-4	8.47E-5	7.00E-6	4.51E-4	2.60E-3	1.35E-3	1.17E-3	5.12E-3
I-132	Ci	3.51E-5	9.08E-5	4.09E-5	1.67E-4	1.13E-4	2.86E-5	1.77E-5	1.59E-4
I-133	Ci	2.24E-4	7.82E-5	7.82E-5	3.80E-4	3.72E-4	5.89E-4	2.67E-5	9.88E-4
I-134	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
I-135	Ci	2.00E-4	0.00E+0	1.99E-5	2.20E-4	2.08E-5	1.31E-4	1.94E-5	1.71E-4
Others (Specify)									

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
GASEOUS EFFLUENTS - VENT STACK RELEASES

ISOTOPES RELEASED		UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
H. Particulate (> 8 day half-life) Releases										
Mn-54		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Fe-55		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Fe-57		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Co-58		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Co-60		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Sr-89		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Sr-90		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Y-89		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Ru-103		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Ag-110m		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Cs-134		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Cs-136		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Cs-137		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Ba/La-140		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Ce-144		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Others (Specify)										
None										

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
I. Fission and Activation Products									
1. Total Activity Released	Ci	5.75E-2	1.22E-2	3.75E-2	1.07E-1	1.45E-1	1.80E-2	2.88E-1	4.51E-1
2. Average Concentration Released	uCi/ml	1.94E-8	4.35E-9	1.12E-8	1.18E-8	4.18E-8	6.14E-9	1.17E-7	5.08E-8
3. % of 10CFR50 Limits									
a. Quarterly Whole Body (1.5 mrem)	%	1.18	0.18	0.18	1.54	1.08	0.24	0.74	2.06
b. Quarterly Any Organ (5.0 mrem)	%	0.50	0.06	0.08	0.64	0.44	0.10	0.28	0.82
c. Annual Whole Body (3.0 mrem)	%	0.59	0.09	0.08	0.76	0.54	0.12	0.37	1.03
d. Annual Any Organ (10.0 mrem)	%	0.25	0.03	0.04	0.32	0.22	0.05	0.14	0.41
J. Tritium									
1. Total Activity Released	Ci	1.51E+2	9.34E+1	1.40E+2	3.84E+2	1.22E+2	9.93E+1	1.04E+2	3.25E+2
2. Average Concentration Released	uCi/ml	5.08E-5	3.33E-5	4.19E-5	4.22E-5	3.52E-5	3.39E-5	4.21E-5	3.66E-5
3. % of Limit (3E-3 uCi/ml)	%	1.69	1.11	1.40	1.41	1.17	1.13	1.40	1.22
K. Dissolved Noble Gases									
1. Total Activity Released	Ci	1.20E+0	1.30E+0	7.41E-1	3.24E+0	1.75E+0	2.60E-3	2.62E-2	1.78E+0
2. Average Concentration Released	uCi/ml	4.04E-7	4.66E-7	2.22E-7	3.56E-7	5.06E-7	8.87E-0	1.06E-8	2.01E-7
3. % of Limit (2E-4 uCi/ml)	%	0.20	0.23	0.11	0.18	0.25	0.00	0.01	0.10
L. Gross Alpha									
1. Total Activity Released	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
2. Average Concentration Released	uCi/ml	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
M. Volume of Liquid Waste to Discharge									
	liters	3.73E+6	2.50E+6	2.51E+6	8.84E+6	4.78E+6	3.34E+6	4.07E+6	1.22E+7
N. Volume of Dilution Water									
	liters	2.97E+9	2.80E+9	3.34E+9	9.11E+9	3.47E+9	2.93E+9	2.47E+9	8.87E+9

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
LIQUID EFFLUENTS

ISOTOPES RELEASES	UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
D. Liquid Effluents									
Sr-89	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Sr-90	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Co-58	Ci	6.95E-3	1.54E-3	3.70E-3	1.22E-2	8.84E-2	7.61E-3	1.36E-1	2.32E-1
Co-60	Ci	2.25E-2	4.37E-3	2.75E-2	5.44E-2	2.27E-2	4.78E-3	3.14E-2	5.89E-2
Cs-134	Ci	5.95E-3	8.71E-4	9.35E-4	7.79E-3	8.03E-3	1.94E-3	6.04E-3	1.60E-2
Cs-136	Ci	1.17E-4	0.00E+0	0.00E+0	1.17E-4	4.06E-4	0.00E+0	2.14E-4	6.20E-4
Cs-137	Ci	1.46E-2	2.10E-3	2.09E-3	1.88E-2	8.83E-3	1.90E-3	5.03E-3	1.58E-2
I-131	Ci	1.12E-3	1.01E-3	4.29E-4	2.56E-3	9.12E-3	6.92E-4	8.04E-3	1.79E-2
I-132	Ci	1.72E-4	4.26E-5	1.87E-5	2.33E-4	5.63E-4	1.88E-5	0.00E+0	5.82E-4
Ba/La-140	Ci	1.87E-4	3.50E-5	6.10E-6	2.28E-4	7.27E-4	6.52E-5	3.56E-3	4.35E-3
Xe-133	Ci	1.17E-0	1.08E+0	7.25E-1	2.98E-0	1.72E+0	2.60E-3	2.62E-2	1.75E+0
Xe-135	Ci	8.89E-3	2.06E-3	4.20E-4	1.14E-2	2.27E-3	0.00E+0	1.98E-5	2.29E-3
Others (Specify)									
Cr-51	Ci	4.21E-4	0.00E+0	0.00E+0	4.21E-4	1.34E-4	4.47E-5	6.67E-2	6.69E-2
Mn-54	Ci	2.15E-3	3.82E-4	2.01E-3	4.54E-3	1.99E-3	2.69E-4	3.91E-3	6.17E-3
Fe-59	Ci	3.05E-4	7.96E-5	1.71E-5	4.02E-4	1.45E-3	1.24E-4	1.16E-2	1.32E-2
Co-57	Ci	0.00E+0	0.00E+0	3.70E-5	3.70E-5	4.17E-5	0.00E+0	2.09E-4	2.51E-4
Nb-95	Ci	3.57E-4	1.37E-5	2.81E-4	6.52E-4	1.62E-4	0.00E+0	6.49E-3	6.65E-3
Zr-95	Ci	9.20E-5	0.00E+0	0.00E+0	9.20E-5	1.60E-5	0.00E+0	5.39E-3	5.41E-3
Sb-124	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.76E-4	4.83E-5	1.88E-4	4.12E-4
Sb-125	Ci	9.19E-4	1.82E-3	3.49E-4	3.09E-3	4.06E-4	4.68E-4	3.55E-4	1.23E-3
Zn-65	Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	8.13E-4	8.13E-4
Xe-131m	Ci	1.24E-2	1.27E-2	1.20E-2	3.71E-2	2.60E-2	0.00E+0	0.00E+0	2.60E-2
Xe-133m	Ci	8.92E-3	5.95E-3	3.82E-3	1.87E-2	6.49E-3	0.00E+0	0.00E+0	6.49E-2
Na-24	Ci	1.30E-5	0.00E+0	0.00E+0	1.30E-5	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Rb-88	Ci	1.57E-3	0.00E+0	0.00E+0	1.57E-3	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Kr-85m	Ci	3.42E-4	0.00E+0	0.00E+0	3.42E-4	3.82E-5	0.00E+0	0.00E+0	3.82E-5
Kr-88	Ci	1.38E-4	3.60E-5	0.00E+0	1.74E-4	0.00E+0	0.00E+0	0.00E+0	0.00E+0

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR January - June 1988
LIQUID EFFLUENTS

ISOTOPE RELEASES		UNITS	January	February	March	1st QUARTER	April	May	June	2nd QUARTER
0. Liquid Effluents										
Sr-89		Ci								
Sr-90										
Co-58										
Co-60										
Cs-134										
Cs-136										
Cs-137										
I-131										
I-133										
Ba/La-140										
Xe-133										
Xe-135										
Others (Specify)										
Ba-133		Ci	0.00E+0	0.00E+0	1.04E-4	1.04E-4	8.14E-5	0.00E+0	0.00E+0	8.14E-5
J-132		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.40E-4	0.00E+0	5.67E-4	1.01E-3
Ba-141		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.02E-4	0.00E+0	0.00E+0	1.02E-4
J-135		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.42E-4	0.00E+0	0.00E+0	3.42E-4
Xe-135m		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.48E-4	0.00E+0	0.00E+0	1.48E-4
Ag-110m		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.18E-5	0.00E+0	3.18E-5
Mo-99		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.55E-4	1.55E-4
Ru-103		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	8.37E-4	8.37E-4
Tc-99m		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.30E-5	2.30E-5
Sn-113		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	5.36E-4	5.36E-4
Hf-181		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.93E-4	4.93E-4
Au-199		Ci	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	8.87E-5	8.87E-5

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BYRON NUCLEAR POWER STATION
 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
 SOLID RADIOACTIVE WASTE
 MONTH January YEAR 1988

DATE	Disposition of Material			Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
	(Description, Class, Type, Solidifying Agent)						
1-11	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C	177.3	0.171
1-15	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C	177.3	0.168
1-29	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C	177.3	0.638
MONTHLY TOTALS:						531.9	0.377

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT
SOLID RADIOACTIVE WASTE
MONTH February YEAR 1988

DATE	Disposition of Material			Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
	(Description, Class, Type, Solidifying Agent)						
2-8	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.3	0.045
2-22	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.3	0.162
MONTHLY TOTALS:						354.6	0.207

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BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
SOLID RADIOACTIVE WASTE
MONTH March YEAR 1988

DATE	Disposition of Material			Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
	(Description, Class	Type	Solidifying Agent				
3-11	DAW, Class A, Drums (shipped to vendor for compaction),		None	Exclusive Use	Via Vendor	391.5 (final)	0.203
					Barnwell S.C.		
3-14	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	0.201
3-16	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	168.3	0.409
3-25	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.3	0.218
MONTHLY TOTALS:						914.5	1.031

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APR 28 1988

B. O. S. F.

BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
SOLID RADIOACTIVE WASTE
MONTH April YEAR 1988

DATE	Disposition of Material			Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
	Description, Class	Type	Solidifying Agent				
4-20	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.3	0.489
4-22	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	2.78
4-29	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	0.9
MONTHLY TOTALS:						532.1	4.169

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EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
SOLID RADIOACTIVE WASTE
APR 28 1988
B.O.S.P.
MONTH May YEAR 1988

DATE	Disposition of Material (Description, Class, Type)	Solidifying Agent	Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
5-27	DAW, Class A, Drums (shipped to vendor for compaction), None		Exclusive Use	Via Vendor Barnwell S.C.	252.1 (final)	0.164
MONTHLY TOTALS:					252.1	0.164

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APR 28 1988

B. O. S. P.

BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT

SOLID RADIOACTIVE WASTE

MONTH June YEAR 1988

DATE	Disposition of Material			Mode of Transport	Destination	Volume Per Shipment (ft ³)	Curies Per Shipment
	(Description, Class	Type	Solidifying Agent				
6-3	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.3	0.77
6-8	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	1.36
6-22	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	2.9
6-29	Dewatered Resin, Class A, Liner in Cask, None			Exclusive Use	Barnwell S.C.	177.4	0.89
MONTHLY TOTALS:						709.5	5.92

BYRON NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT FOR JANUARY - JUNE 1988

ADDENDUM

- A. On March 28, 1988, there was a change to Byron's Technical Specification (3/4.3.3.9 and 3/4.3.11) which added two radiation monitors. These monitors, the fire and oil sump (ORE-PR005) and the condensate polisher sump (ORE-PR041), are designed to prevent unacceptable radioactive releases to the unrestricted area.
- B. Per Technical Specifications (3.3.3.9 and 3.3.3.10), the following is a summary of effluent monitoring instrumentation inoperable for a period of time greater than specified in the Technical Specifications:
 - 1. Unit - 0 Fire and Oil Sump (ORE-PR005) was inoperable for greater than 30 days. The extended period of inoperability was due to sample pump failure and the resulting time to procure parts of an improved material more resistant to breakage.
- C. There were no additional major changes to the Process Control Program (PCP). There were no major changes to the liquid, gaseous, or Solid Radwaste Treatment System. Byron Station continues to utilize Westinghouse-Hittman for dewatering and solidification services.



Commonwealth Edison
Byron Nuclear Station
4450 North German Church Road
Byron, Illinois 61010

August 12, 1988

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

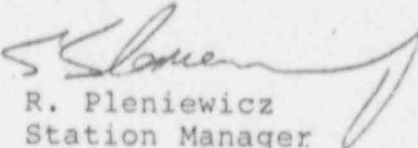
Subject: Byron Station Operating Report, NRC Dockets
Unit 1 Docket Number STN 50-455 and Unit 2
Docket Number STN 50-454.

To Whom it May Concern:

Enclosed is the Radioactive Effluent Report for January
through June, 1988 for Byron Nuclear Power Station.

A copy of this report will be furnished to the NRC
Resident Inspector.

Sincerely,


R. Pleniewicz
Station Manager

Enclosure
LTR: 88-0866
FILE: 2.12.1522

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