

YANKEE ATOMIC ELECTRIC COMPANY

ROWE, MASSACHUSETTS

EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

JULY - DECEMBER 1980

8103100/59

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS.

Effluent And Waste Disposal Quarterly Report
Gaseous Effluents - Summation All Releases

Table 1A

1980

	Unit	July	August	September	Quarter (3)
Seconds During Period	Secs.	2.42E06	2.42E06	3.02E06	7.86E06
Fission & Activation Gases					
Total Release	Ci	< 8.55E-04	< 8.55E-04	1.31E00	1.31E00
Average Release Rate For Period	uCi/sec	< 3.54E-04	< 3.54E-04	4.32E-01	1.66E-01
Percent Of Technical Specification Limit	%	< 2.24E-05	< 1.93E-05	1.01E-02	3.72E-03
Iodines					
Total Iodine - 131	Ci	< 2.25E-06	< 2.29E-06	< 2.30E-06	< 6.84E-06
Ave. Release Rate For Period	uCi/sec	< 9.30E-07	< 9.46E-07	< 8.70E-07	< 8.70E-07
Percent Of Technical Specification Limit	%	< 4.85E-02	< 4.27E-02	< 3.96E-02	< 4.35E-02
Particulates					
Total Gross (B , Y)	Ci	3.25E-07	2.05E-07	< 2.93E-06	5.30E-07
Particulates With Half-Life > 8 Days	Ci	8.59E-08	< 1.38E-05	< 1.19E-05	9.59E-08
Ave. Release Rate For Period *	uCi/sec	3.55E-08	< 5.69E-06	< 3.95E-06	1.09E-08
Percent Of Technical Specification Limit	%	1.40E-02	< 4.49E-02	< 3.61E-02	3.27E-02
Gross Alpha Radioactivity	Ci	< 1.42E-08	3.11E-09	1.49E-08	1.80E-08
Tritium					
Total Release	Ci	6.53E-02	6.09E-02	5.40E-02	1.80E-01
Ave. Release Rate For Period	uCi/sec	2.70E-02	2.52E-02	1.79E-02	2.29E-02
Percent Of Technical Specification Limit	%	1.01E-03	8.12E-04	6.65E-04	8.18E-04

* Applies to particulates with half-lives > 8 Days
Maximum Gross Radioactivity Release Rate:

July, 1980 - < 1.70E01 uCi/sec.

August, 1980 - < 1.70E01 uCi/sec.

September 26, 1980 (2330) - 2.57E02 uCi/sec.

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS. - TABLE 1B
EFFLUENT AND WASTE DISPOSAL
GASEOUS EFFLUENTS

1980

Nuclides Released	Unit	July	August	September	Quarter
Fission Gases					
Krypton-85	Ci	< 3.00E-04	< 3.00E-04	1.19E00	1.19E00
Krypton-85M	Ci	< 6.00E-06	< 6.00E-06	< 6.00E-06	< 1.80E-05
Krypton-87	Ci	< 5.45E-06	< 5.45E-06	< 5.45E-06	< 1.63E-05
Krypton-88	Ci	< 8.60E-06	< 8.60E-06	< 8.60E-06	< 2.58E-05
Xenon-133	Ci	< 1.68E-04	< 1.68E-04	< 4.20E-04	< 7.56E-04
Xenon-133	Ci	< 1.05E-05	< 1.05E-05	< 1.63E-04	< 1.84E-04
Xenon-133M	Ci	< 1.24E-04	< 1.24E-04	< 1.24E-04	< 3.72E-04
Xenon-138	Ci	< 2.39E-06	< 2.39E-06	< 2.39E-06	< 7.17E-06
Others (Specify)	Ci	--	--	--	--
Xenon-133M	Ci	< 6.40E-07	< 6.40E-07	< 6.40E-07	< 1.92E-06
Argon-37	Ci	< 5.51E-06	< 5.51E-06	6.22E-03	6.22E-03
Argon-41	Ci	< 1.05E-05	< 1.05E-05	< 1.05E-05	< 3.15E-05
Carbon-14	Ci	< 1.30E-04	< 1.30E-04	1.10E-01	1.10E-01
Xenon-131M	Ci	< 8.57E-05	< 8.57E-05	< 8.57E-05	< 2.57E-04
Unidentified	Ci	--	--	--	--
Total for Period	Ci	< 8.55E-04	< 8.55E-04	1.51E00	1.51E00

Iodines					
Iodine-131	Ci	< 2.25E-06	< 2.29E-06	< 2.30E-06	< 6.84E-06
Iodine-133	Ci	< 2.10E-06	< 2.22E-06	< 2.31E-06	< 6.63E-06
Iodine-135	Ci	< 5.15E-06	< 5.33E-06	< 5.46E-06	< 9.94E-06
Total for Period	Ci	< 7.50E-06	< 7.84E-06	< 8.07E-06	< 2.34E-05
Tritium	Ci	6.53E-02	6.09E-02	5.40E-02	1.80E-01

Particulates					
Strontium-89	Ci	7.91E-08	< 7.13E-08	< 4.32E-08	7.91E-08
Strontium-90	Ci	6.80E-09	< 5.41E-08	< 1.95E-08	6.80E-09
Cesium-134	Ci	< 1.30E-07	< 4.82E-07	< 4.17E-07	< 1.03E-06
Cesium-137	Ci	< 1.22E-07	< 4.85E-07	< 4.15E-07	< 1.02E-06
Barium-Lanthanum-140	Ci	< 4.13E-07	< 1.57E-06	< 1.36E-06	< 3.34E-06
Others (Specify)	Ci	--	--	--	--
Cobalt-58	Ci	< 1.13E-07	< 4.26E-07	< 3.74E-07	< 9.13E-07
Cobalt-60	Ci	< 1.33E-07	< 4.94E-07	< 4.35E-07	< 1.06E-06
Iron-59	Ci	< 2.46E-07	< 8.96E-07	< 7.88E-07	< 1.93E-06
Chromium-51	Ci	< 9.00E-07	< 3.40E-06	< 2.93E-06	< 7.23E-06
Zirconium-Niobium-95	Ci	< 2.05E-07	< 7.68E-07	< 6.63E-07	< 1.64E-06
Cerium-141	Ci	< 1.56E-07	< 5.90E-07	< 5.10E-07	< 1.27E-06
Cerium-144	Ci	< 7.39E-07	< 2.78E-06	< 2.42E-06	< 5.94E-06
Antimony-124	Ci	< 1.90E-07	< 6.23E-07	< 5.68E-07	< 1.38E-06
Manganese-54	Ci	< 1.26E-07	< 4.60E-07	< 4.13E-07	< 1.00E-06
Silver-110m	Ci	< 1.82E-07	< 6.71E-07	< 5.88E-07	< 1.45E-06
Total for Period	Ci	8.59E-08	< 1.38E-05	< 1.19E-05	8.59E-08

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS.
EFFLUENT AND WASTE DISPOSAL QUARTERLY REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

TABLE 2A

(1980)

Unit	July	August	September	Quarter
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Fission and activation products

Total release (not including tritium, gases, alpha)	Ci	2.56E-04	2.52E-04	5.69E-04	1.08E-03
Average diluted concentration during period	μCi/ml	6.72E-10	6.61E-10	1.19E-09	8.70E-10
Percent of Applicable Limit	%	5.60E-03	5.10E-03	1.05E-02	6.94E-03

Tritium

Total Release	Ci	2.26E00	3.32E-01	2.67E00	5.26E00
Average diluted concentration during period	μCi/ml	5.93E-06	8.71E-07	5.60E-06	4.24E-06
Percent of applicable limit	%	1.98E-01	2.90E-02	1.87E-01	1.41E-01

Dissolved and entrained gases

Total Release	Ci	<9.91E-05	<9.84E-05	<1.06E-04	<3.04E-04
Average diluted concentration during period	μCi/ml	<2.60E-10	<2.58E-10	<2.22E-10	<2.45E-10
Percent of applicable limit	%	<8.67E-03	<8.61E-03	<7.41E-03	<8.17E-03

Gross Alpha radioactivity

Total Release	Ci	<1.35E-08	<8.66E-09	<1.14E-08	<3.36E-08
Alpha Average Concentration	μCi/ml	<3.54E-14	<2.27E-14	<2.39E-14	<2.71E-14
Volume of waste released (prior to dilution)	Liters	1.86E05	2.18E05	3.00E05	7.04E05

Volume of dilution water (used during period)	liters	3.81E08	3.81E08	4.77E08	1.24E09
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Maximum Concentration (B , Y) Released To Unrestricted Area

July 24, 1980 (1440) - 2.62E-08 μCi/ml
August 8, 1980 (1630) - 3.44E-08 μCi/ml
September 26, 1980 (1045) - 4.84E-08 μCi/ml

YANKEE ATOMIC ELECTRIC COMPANY-ROWE, MASS.
EFFLUENT AND WASTE DISPOSAL QUARTERLY REPORT
LIQUID EFFLUENTS

TABLE 2B

(1980)

Nuclides Released	Unit	July	August	September	Quarter 3
Strontium-89	Ci	<4.00E-06	3.66E-08	<5.07E-08	3.66E-08
Strontium-90	Ci	5.75E-08	2.60E-08	1.53E-08	9.88E-08
Cesium-134	Ci	4.96E-05	4.94E-05	7.29E-05	1.72E-04
Cesium-137	Ci	7.37E-05	7.90E-05	1.26E-04	2.79E-04
Iodine-131	Ci	<1.67E-06	<1.47E-06	<3.03E-06	<6.17E-06

Cobalt-58	Ci	1.17E-06	3.54E-07	2.12E-06	3.64E-06
Cobalt-60	Ci	4.11E-06	2.78E-06	1.74E-04	1.80E-04
Iron-59	Ci	<2.52E-06	<2.24E-06	<7.26E-06	<1.20E-05
Zinc-65	Ci	<2.89E-06	<2.74E-06	<8.38E-06	<1.40E-05
Manganese-54	Ci	4.35E-06	3.54E-07	3.31E-05	3.78E-05
Chromium-51	Ci	<1.29E-05	<1.13E-05	<2.38E-05	<4.81E-05

Zirconium-Niobium-95	Ci	<2.37E-06	<2.07E-06	<5.64E-06	<1.01E-05
Molybdenum-99	Ci	<9.15E-06	<8.39E-06	<2.11E-05	<3.87E-05
Technetium-99M	Ci	<1.09E-06	<9.70E-07	<2.00E-06	<4.06E-06
Barium-Lanthanum-140	Ci	<6.32E-06	<5.35E-06	<1.20E-05	<2.37E-05
Cerium-141	Ci	<1.81E-06	<1.58E-06	<3.28E-06	<6.67E-06

Other(Specify)	Ci	--	--	---	--
Iodine-133	Ci	<1.74E-06	<1.43E-06	<3.17E-06	<6.34E-06
Selenium-75	Ci	<1.88E-06	<1.64E-06	<3.46E-06	<6.98E-06
Silver-110M	Ci	<1.83E-06	<1.69E-06	<5.25E-06	<8.78E-06
Antimony-124	Ci	<1.96E-06	<1.70E-06	<4.40E-06	<8.06E-06
Carbon-14	Ci	1.23E-04	1.20E-04	1.60E-04	4.03E-04
	Ci	<8.48E-06	<7.33E-06	<1.51E-05	<3.09E-05
Unidentified	Ci	<1.54E-07	<2.06E-07	1.34E-06	1.54E-06

Total for Period(above)	Ci	2.56E-04	2.52E-04	5.69E-04	1.08E-03
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Xenon-133	Ci	<5.68E-05	<5.65E-05	<6.38E-05	<1.77E-04
Xenon-135	Ci	<4.26E-05	<4.19E-05	<4.27E-05	<1.27E-04

Tritium	Ci	2.26E00	3.32E-01	2.67E00	5.26E00
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YANKEE ATOMIC ELECTRIC COMPANY-ROWE, MASS.

SOLID WASTE SHIPMENT REPORT

1980

Evaporator Bottoms	July	August	September	Quarter (5)
ft. ³				
Ci				

Dry Compressible Waste	July	August	September	Quarter (5)
ft. ³	6.90E02		8.05E02	1.49E03
Ci	3.77E-01		3.52E-01	7.29E-01

Decontamination Soln.				Quarter ()
ft. ³				
Ci				

Other: Spent Resin	July	August	September	Quarter (5)
ft. ³	--	2.49E02	--	2.49E02
Ci	--	5.81E01	--	5.81E01

Solid Waste Disposition

No. of Shipments	Dates	Trans. Mode	Destination
1	July 25, 1980	Truck	Barnwell, S. C.
3	Aug. 7, 18 and 28, 1980	Truck	" "
1	September 26, 1980	Truck	" "

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS.

Effluent And Waste Disposal Quarterly Report
Gaseous Effluents - Summation All Releases

Table 1A

1980

	Unit	October	November	December	Quarter (4)
Seconds During Period	Secs.	2.42E06	2.42E06	3.11E06	7.95E06
Fission & Activation Gases					
Total Release	Ci	<8.55E-04	1.07E01	4.21E01	5.28E01
Average Release Rate For Period	uCi/sec	<3.53E-04	4.43E00	1.35E01	6.64E00
Percent Of Technical Specification Limit	%	<1.97E-05	6.44E-01	2.14E00	8.99E-01
Iodines					
Total Iodine - 131	Ci	<2.18E-06	<1.85E-06	2.57E-06	2.57E-06
Ave. Release Rate For Period	uCi/sec	<9.01E-07	<7.64E-07	8.26E-07	3.23E-07
Percent Of Technical Specification Limit	%	<4.14E-02	<5.30E-02	5.67E-02	1.93E-02
Particulates					
Total Gross (B , γ)	Ci	1.98E-06	1.72E-05	6.17E-07	1.98E-05
Particulates With Half-Life > 8 Days	Ci	2.07E-06	1.97E-05	6.87E-07	2.25E-05
Ave. Release Rate For Period *	uCi/sec	8.56E-07	8.14E-06	2.21E-07	2.83E-06
Percent Of Technical Specification Limit	%	2.31E-02	1.38E-01	1.58E-02	4.87E-02
Gross Alpha Radioactivity	Ci	<1.13E-08	3.33E-09	3.99E-09	7.32E-08
Tritium					
Total Release	Ci	4.72E-02	5.32E-02	1.34E-01	2.34E-01
Ave. Release Rate For Period	uCi/sec	1.95E-02	2.20E-02	4.31E-02	2.94E-02
Percent Of Technical Specification Limit	% XXX	5.41E-04	1.09E-03	2.11E-03	1.26E-03

- * Applies to particulates with half-lives > 8 Days
Maximum Gross Radioactivity Release Rate:
October 21, 1980 (0715) - 2.64E02 uCi/sec.
November 12, 1980 (0815) - 1.63E03 uCi/sec.
December 31, 1980 (0830) - 3.42E02 uCi/sec.

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS. - TABLE 1B
EFFLUENT AND WASTE DISPOSAL
GASEOUS EFFLUENTS

1980

Nuclides Released	Unit	October	November	December	Quarterly
Fission Gases					
Krypton-85	Ci	$< 5.00E-04$	$1.92E-03$	$1.03E-02$	$1.22E-02$
Krypton-85M	Ci	$< 6.00E-06$	$1.30E-01$	$4.94E-01$	$6.24E-01$
Krypton-87	Ci	$< 5.45E-06$	$1.15E-01$	$4.87E-01$	$6.02E-01$
Krypton-86	Ci	$< 8.60E-06$	$2.23E-01$	$8.68E-01$	$1.09E00$
Xenon-133	Ci	$< 1.68E-04$	$4.74E00$	$1.74E01$	$2.21E01$
Xenon-135	Ci	$< 1.05E-05$	$2.27E00$	$8.50E00$	$1.08E01$
Xenon-135M	Ci	$< 1.24E-04$	$2.81E00$	$1.32E01$	$1.60E01$
Xenon-136	Ci	$< 2.39E-06$	$9.00E-02$	$2.28E-01$	$3.18E-01$
Others (Specify)	Ci	--	--	--	--
Xenon-133M	Ci	$< 6.40E-07$	$7.78E-03$	$7.35E-02$	$8.13E-02$
Argon-37	Ci	$< 3.51E-06$	$1.31E-02$	$6.02E-02$	$7.33E-02$
Argon-41	Ci	$< 1.05E-05$	$1.06E-01$	$6.03E-01$	$7.09E-01$
Carbon-14	Ci	$< 1.30E-04$	$8.35E-04$	$4.48E-03$	$5.31E-03$
Xenon-131M	Ci	$< 8.57E-05$	$2.08E-01$	$1.28E-01$	$3.36E-01$
Unidentified	Ci	--	--	--	--
Total for Period	Ci	$< 8.55E-04$	$1.07E01$	$4.21E01$	$5.28E01$

Iodines					
Iodine-131	Ci	$< 2.18E-06$	$< 1.85E-06$	$2.57E-06$	$2.57E-06$
Iodine-133	Ci	$< 2.16E-06$	$< 1.89E-06$	$< 1.90E-06$	$< 3.95E-06$
Iodine-135	Ci	$< 3.93E-06$	$< 2.74E-06$	$< 3.72E-06$	$< 1.04E-05$
Total for Period	Ci	$< 8.27E-06$	$< 6.48E-06$	$2.57E-06$	$2.57E-06$
Tritium	Ci	$4.72E-02$	$5.32E-02$	$1.34E-01$	$2.34E-01$

Particulates					
Strontium-89	Ci	$< 1.23E-07$	$< 4.73E-08$	$< 5.86E-08$	$< 2.29E-07$
Strontium-90	Ci	$< 1.26E-08$	$< 8.37E-09$	$7.04E-08$	$7.04E-08$
Cesium-134	Ci	$< 1.45E-07$	$1.91E-06$	$< 9.34E-08$	$1.91E-06$
Cesium-137	Ci	$< 1.46E-07$	$4.99E-06$	$< 9.29E-08$	$4.99E-06$
Barium-Lanthanum-140	Ci	$< 4.78E-07$	$< 3.73E-07$	$< 3.08E-07$	$< 1.11E-06$
Antimony - 125	Ci	$< 9.63E-07$	$1.40E-06$	$< 6.59E-07$	$1.40E-06$
Cobalt-58	Ci	$< 1.30E-07$	$< 9.15E-08$	$< 8.70E-08$	$3.08E-07$
Cobalt-60	Ci	$9.42E-07$	$7.19E-06$	$6.17E-07$	$8.75E-06$
Iron-59	Ci	$< 2.86E-07$	$< 1.97E-07$	$< 1.76E-07$	$< 6.59E-07$
Chromium-51	Ci	$< 1.04E-06$	$< 6.64E-07$	$< 6.53E-07$	$< 2.34E-06$
Zirconium-Niobium 95	Ci	$< 2.36E-07$	$< 1.62E-07$	$< 1.52E-07$	$< 3.50E-07$
Cerium-141	Ci	$< 1.82E-07$	$< 1.13E-07$	$< 1.12E-07$	$< 4.07E-07$
Cerium-144	Ci	$< 8.53E-07$	$< 3.30E-07$	$< 5.19E-07$	$< 1.90E-06$
Antimony-124	Ci	$< 1.93E-07$	$< 1.45E-07$	$< 1.52E-07$	$< 4.70E-07$
Manganese-54	Ci	$1.13E-06$	$4.23E-06$	$< 9.23E-08$	$5.36E-06$
Silver-110M	Ci	$< 2.09E-07$	$< 1.45E-07$	$< 1.37E-07$	$< 4.91E-07$
Total for Period	Ci	$2.07E-06$	$1.97E-05$	$6.87E-07$	$2.25E-05$

YANKEE ATOMIC ELECTRIC COMPANY, ROWE, MASS.
EFFLUENT AND WASTE DISPOSAL QUARTERLY REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

TABLE 2A

1980

Unit	October	November	December	Quarter
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Fission and activation products

Total release (not including tritium, gases, alpha)	Ci	2.39E-03	3.81E-03	1.41E-03	7.61E-03
Average diluted concentration during period	uCi/ml	6.28E-09	1.97E-10	5.22E-11	1.63E-10
Percent of Applicable Limit	%	1.52E-02	1.01E-02	4.75E-03	6.83E-03

Tritium

Total Release	Ci	5.77E00	5.09E00	5.58E00	1.64E01
Average diluted concentration during period	uCi/ml	1.51E-05	2.64E-07	2.06E-07	3.50E-07
Percent of applicable limit	%	5.03E-01	8.80E-03	6.87E-03	1.17E-02

Dissolved and entrained gases

Total Release	Ci	5.22E-04	3.17E-01	1.64E-01	4.81E-01
Average diluted concentration during period	uCi/ml	1.37E-09	1.64E-08	6.05E-09	1.03E-08
Percent of applicable limit	%	4.57E-02	5.47E-01	2.02E-01	3.43E-01

Gross Alpha radioactivity

Total Release	Ci	5.25E-08	8.14E-08	1.10E-08	9.24E-08
Alpha Average Concentration	uCi/ml	1.38E-13	4.22E-15	4.06E-16	1.97E-15
Volume of waste released (prior to dilution)	Liters	5.80E05	1.95E06	2.06E06	4.59E06

Volume of dilution water (used during period)	liters	3.81E08	1.93E10	2.71E10	4.68E10
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Maximum Concentration (β , γ) Released To Unrestricted Area

October 1, 1980 (1415) - 2.90E-08 uCi/ml

November 18, 1980 (1745) - 2.97E-09 uCi/ml

December 12, 1980 (1520) - 9.12E-10 uCi/ml

YANKEE ATOMIC ELECTRIC COMPANY-ROWE, MASS.
EFFLUENT AND WASTE DISPOSAL QUARTERLY REPORT
LIQUID EFFLUENTS

TABLE 2B

Nuclides Released	Unit	October	November	December	1980 Quarter (4)
Strontium-89	Ci	<1.08E-06	1.27E-05	1.09E-05	2.36E-05
Strontium-90	Ci	1.34E-07	2.31E-06	2.02E-06	4.46E-06
Cesium-134	Ci	3.04E-05	5.19E-04	4.09E-05	5.90E-04
Cesium-137	Ci	4.74E-05	1.04E-03	7.48E-05	1.16E-03
Iodine-131	Ci	<6.59E-06	5.11E-04	3.58E-04	8.69E-04

Cobalt-58	Ci	<7.50E-06	1.88E-05	6.11E-06	2.49E-05
Cobalt-60	Ci	1.76E-04	1.74E-04	6.83E-05	4.18E-04
Iron-59	Ci	<1.68E-05	<4.88E-06	<6.80E-06	4.88E-06
Zinc-65	Ci	<1.95E-05	<1.57E-05	<7.72E-06	<4.29E-05
Manganese-54	Ci	3.72E-05	4.48E-05	2.20E-05	1.04E-04
Chromium-51	Ci	<5.36E-05	5.68E-05	3.04E-06	5.98E-05

Zirconium-Niobium-95	Ci	<1.29E-05	5.17E-06	1.63E-06	6.80E-06
Molybdenum-99	Ci	<5.17E-05	<4.64E-05	<2.15E-05	<1.20E-04
Technetium-99M	Ci	<4.95E-06	7.74E-06	4.80E-07	8.22E-06
Barium-Lanthanum-140	Ci	<2.59E-05	<3.16E-05	<1.23E-05	<6.98E-05
Cerium-141	Ci	<8.02E-06	1.57E-06	<4.26E-06	2.37E-06

Other (Specify)

Ruthenium-103	Ci	<1.03E-05	3.04E-06	<3.38E-06	3.04E-06
Iodine-133	Ci	<6.87E-06	1.06E-04	1.11E-05	1.17E-04
Selenium-75	Ci	<7.90E-06	<9.93E-06	<4.43E-06	<2.23E-05
Silver-110M	Ci	<1.24E-05	<1.13E-05	<4.90E-06	<2.83E-05
Antimony-124	Ci	<9.24E-06	<6.97E-06	<3.83E-06	<2.00E-05
Carbon-14	Ci	2.10E-03	1.29E-03	8.12E-04	4.20E-03
Cerium-144	Ci	<3.78E-05	3.61E-06	2.71E-06	1.13E-05
Unidentified	Ci	<6.82E-07	5.55E-07	<5.77E-06	5.55E-07

Total for Period(above)	Ci	2.39E-03	3.81E-03	1.41E-03	7.61E-03
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Xenon-133	Ci	<3.07E-04	3.15E-01	1.61E-01	4.76E-01
Xenon-135	Ci	<2.15E-04	1.93E-03	3.59E-03	5.52E-03

Tritium	Ci	5.77E00	5.09E00	5.58E00	1.64E01
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YANKEE ATOMIC ELECTRIC COMPANY-ROWE, MASS.
SOLID WASTE SHIPMENT REPORT

1980

Evaporator Bottoms	October	November	December	Quarter (4)
ft. ³	--	3.00E02	--	3.00E02
Ci	--	1.05E00	--	1.05E00

Dry Compressible Waste	October	November	December	Quarter (4)
ft. ³	5.75E02	--	6.90E02	1.26E03
Ci	4.64E-01	--	9.07E-01	1.37E00

Decontamination Soln.				Quarter ()
ft. ³				
Ci				

Other: Spent Resin Miscellaneous Solid Waste *	October	November*	December	Quarter (4)
ft. ³	8.30E01	1.03E02	--	1.86E02
Ci	2.20E01	1.08E01	--	3.28E01

Solid Waste Disposition

No. of Shipments	Dates	Trans. Mode	Destination
2	October 6, and 24, 1980	Truck	Barnwell, S. C.
2	November 14, and 25, 1980	"	" " "
1	December 19, 1980	"	" " "