QUAD CITIES POWER STATION

RADIOACTIVE WASTE, ENVIRONMENTAL MONITORING AND
OCCUPATIONAL PERSONNEL RADIATION EXPOSURE

JULY THROUGH DECEMBER 1975

EXCERPTS

FEBRUARY 1976

SUMMARY

Gaseous and liquid effluents for the period remained at a fraction of the Technical Specification limits. Calculations of environmental concentrations based on effluent, Mississippi River flow, and meteorological data for the period indicate that consumption by the public of radionuclides attributable to the plant will not exceed the quantity of those radionuclides that result from continuous exposure to the concentration values listed in Appendix B, Table II, of 10CFR20. Gamma radistion exposure from noble gases released to the atmosphere represented the critical pathway for the period with a maximum individual dose estimated to be 0.03 mrem for the six-month period, and 0.6 mrem for the year, when a shielding and occupancy factor of two is assumed. Environmental monitoring results confirm that dose via other pathways was not significant.

1.0 EFFLUENTS

1.1 GASEOUS EFFLUENTS TO THE ATMOSPHERE

Measured concentrations and isotopic composition of noble gases, radioiodine, and particulate radioactivity released to the atmosphere during the period 1 July through 31 December 1975, are listed in Table 1.1-1. A six-month total of 2.8E+04 curies of noble gases was released during the period with a maximum release rate during any one-hour period of 4.7E+04 µCi/sec. Release rates during any quarter of the period did not exceed 0.2% of the Technical Specification limit.

A total of 0.6 curies of I-131 and 0.7 curies of I-133 were released during the six-month period. The highest quarterly radioiodine release was 74% of the Technical Specification limit.

Six-month totals of 0.3 curies of beta-gamma emitters and 6.0E-06 curies of alpha emitters were released as airborne particulate matter. The highest quarterly release of beta-gamma particulate activity did not exceed 9% of the Technical Specification limit.

1.2 LIQUIDS RELEASED TO MISSISSIPPI RIVER

A total of 2.3 E+07 liters of radioactive liquid wastes containing 5.2 curies (excluding tritium) were discharged from the station. These wastes were released at an average concentration of 1.3 E-08 µCi/ml which is 13% of the Technical Specification releases limit for unidentified radioactivity. During the same period, 38 curies of tritium and 4.4E-04 curies of alpha radioactivity were released. Quarterly release estimates and principal radionuclides in liquid effluents are given in Table 1.2-1.

The maximum concentration of radioactivity, above background, in the Quad - Cities Unit 1/2 discharge canal during the period was computed to be 4.4 E-07 µCi/ml.

2.0 SOLID RADIOACTIVE WASTE

The total amount of solid waste packaged for disposal was 2.7 E+04 cubic feet during the last six-month period. The total amount of radioactivity involved was calculated to be 1.7 E+03 curies. Solid radioactive wastes were shipped to either Nuclear Engineering Company, Sheffield, Illinois or Chemical Nuclear Services, Bellevue, Washington. Date, volume and radioactivity of each shipment are shown in Table 2.0-1.

QUAD CITIES NUCLEAR POWER STATION

TABLE 1.1-1

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	Unit	Quarter 3rd	Quarter 4th	Est. Total Error, %
A. Fission & Activation Gases				
1. Total release	Ci	2.01 E+04	7.65 E+03	
2. Average release rate for period	uCi/sec	2.53 E+03	9.60 E+02	
3. a. Percent of Tech. Spec. limit Chimney	%	1.88 E-01	3.31 E-02	
b. Percent of Tech. Spec. limit Stack	%	< LDL	< LDL	
B. Iodines				
1. Total iodine-131	Ci	4.74 E-01	1.34 E-01	
2. Average release rate for period	uCi/sec	5.96 E-02	1.69 E-02	
3. a. Percent of Tech. Spec. limit Chimney	%	9.97 E-01	2.15 E-01	
b. Percent of Tech. Spec. limit Stack	%	7.30 E+01	4.47 E+01	
C. Particulates				
1. Particulates with half-lives > 8 days	Ci	2.17 E-01	5.79 E-02	
2. Average release rate for period	uCi/sec	2.73 E-02	7.28 E-03	
3. a. Percent of Tech. Spec. limit Chimney	%	7.97 E-02	4.30 E-02	
b. Percent of Tech. Spec. limit Stack	%	8.90 E+00	4.65 E+00	
4. Gross alpha radioactivity	Ci	8.04 E-07	5.14 E-06	

TABLE 1.1-1 (Cont'd)

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	Unit	Quarter 3rd	Quarter 4th	Est. Total Error, %
D. Tritium				
1. Total release	Ci	2.37 E+02	2.24 E+01	
2. Average release rate for period	uCi/sec	2.98 E+01	2.82 E+00	

1625 230

TABLE 1.1-1 (Cont'd)

QUAD CITIES NUCLEAR POWER STATION

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS- Elevated Release

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3rd	Quarter 4th	Quarter	Quarter
1. Fission gases					
Kr-85	Ci	3.28 E+03	2.65 E+03		
Kr-85m	Ci	1.13 E+03	7.85 E+02		
Kr-87	Ci	2.41 E+02	1.00 E+01		
Kr-88	Ci	4.75 E+02	7.00 E+00		
Xe-133	Ci	1.22 E+04	2.85 E+03		
Xe-135	Ci	1.91 E+03	1.15 E+03		
Xe-135m	Ci	< LDL	< LDL		
Xe-138	Ci	9.02 E+02	< LDL		
	Ci				
	Ci				
Maximum Release Rate	uCi/sec	4.65 E+04	2.21 E+04		
Unidentified	Ci	< LDL	< LDL		
Total for Period	Ci	2.01 E+04	7.45 E+03		
2. Iodines					
I-131	Ci	4.0 E-01	8.09 E-02		
I-133	Ci	3.32 E-01	1.14 E-01		
I-135	Ci	2.55 E-01	1.57 E-01		
Total for Period	Ci	9.87 E-01	3.52 E-01		

TABLE 1.1-1 (Cont'd)

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS- Elevated Release

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 3rd	Quarter 4th	Quarter	Quarter
3. Particulates					
Sr-89	Ci	1.30 E-02			
Sr-90	Ci	2.55 E-05			
Cs-134	Ci	5.30 E-05	8.58 E-05		
Cs-137	Ci	1.52 E-03	2.40 E-04		
Ba-140	Ci	5.06 E-03	2.78 E-03		
La-140	Ci	3.35 E-03	4.23 E-03		
Mn-54	Ci	3.71 E-06	1.22 E-05		
Co-60	Ci	9.67 E-05	1.39 E-04		
Zn-65	Ci	4.16 E-03	< LDL		
I-131	Ci	5.69 E-03	2.05 E-03		
Cs-136	Ci	8.82 E-05	< LDL		
Ce-141	Ci	< LDL	1.80 E-05		
	Ci				
	Ci				
	Ci				
	Ci				
	Ci				
Unidentified	Ci	5.20 E-02			

1625 232

TABLE 1.1-1 (Cont'd)

QUAD CITIES NUCLEAR POWER STATION

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS- Ground Level Release

		Continuous Mode		Batch Mode	
Nuclides Released	Unit	Quarter 3rd	Quarter 4th	Quarter	Quarter
1. Fission gases					
Kr-85	Ci	< LDL	< LDL		
Kr-85m	Ci	< LDL	< LDL		
Kr-87	Ci	< LDL	< LDL		
Kr-88	Ci	< LDL	< LDL		
Xe-133	Ci	2.74 E-01	1.03 E-01		
Xe-135	Ci	5.79 E-01	1.87 E-01		
Xe-135m	Ci	2.45 E+00	5.91 E-01		
Xe-138	Ci	< LDL	< LDL		
	Ci				
	Ci				
Unidentified	Ci	< LDL	< LDL		
Total for Period	Ci	3.30 E+00	8.81 E-01		
2. Iodines					
I-131	Ci	7.37 E-02	5.34 E-02		
I-133	Ci	1.12 E-01	6.60 E-02		
I-135	Ci	1.34 E-01	2.96 E-02		
Total for Period	Ci	3.20 E-01	1.49 E-01		

1625 233

TABLE 1.1-1 (Cont'd)

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

GASEOUS EFFLUENTS- **Ground Level Release**

Nuclides Released	Unit	Continuous Mode Quarter 3rd	Continuous Mode Quarter 4th	Batch Mode Quarter	Batch Mode Quarter
3. Particulates					
Sr-89	Ci	6.83 E-04			
Sr-90	Ci	1.59 E-05			
Cs-134	Ci	1.06 E-03	3.96 E-04		
Cs-137	Ci	1.80 E-03	7.00 E-04		
Ba-140	Ci	4.79 E-04	1.76 E-04		
La-140	Ci	1.61 E-03	2.46 E-04		
Cr-51	Ci	1.40 E-03	3.00 E-04		
Mn-54	Ci	1.50 E-04	6.11 E-05		
Co-58	Ci	6.34 E-04	5.10 E-05		
Co-60	Ci	1.04 E-04	6.90 E-04		
Zn-65	Ci	9.35 E-05	6.84 E-05		
I-131	Ci	5.13 E-03	1.23 E-03		
Cs-136	Ci	2.19 E-04	< LDL		
Fe-59	Ci	2.87 E-05	< LDL		
Ag-110m	Ci	3.56 E-06	< LDL		
	Ci				
	Ci				
Unidentified	Ci	1.65 E-02			

1625 234

QUAD CITIES NUCLEAR POWER STATION

TABLE 1.2-1

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

	Unit	Quarter 3rd	Quarter 4th	Est. Total Error, %
A. Fission and Activation Products				
1. Total release (not including tritium, gases, alpha)	Ci	4.59	5.50 E-01	
2. Average diluted concentration during period	uCi/ml	1.74 E-08	7.15 E-09	
3. Percent of applicable limit	%	1.74 E+01	7.15 E+00	
4. Maximum diluted concentration during period	uCi/ml	8.53 E-08	4.42 E-07	
B. Tritium				
1. Total release	Ci	2.10 E+01	1.67 E+01	
2. Average diluted concentration during period	uCi/ml	7.98 E-08	2.18 E-07	
3. Percent of applicable limit	%	2.58 E-03	7.28 E-03	
C. Dissolved and Entrained Gases				
1. Total release	Ci	< LDL	< LDL	
2. Average diluted concentration during period	uCi/ml	< LDL	< LDL	
3. Percent of applicable limit	%	< LDL	< LDL	
D. Gross Alpha Radioactivity				
1. Total release	Ci	8.98 E-05	3.52 E-04	
2. Average concentration released	uCi/ml	3.41 E-13	4.57 E-12	
E. Volume of waste released (prior to dilution)	Liters	1.84 E+07	4.89 E+06	
F. Volume of dilution water used during period	Liters	2.64 E+11	7.69 E+10	

1625 235

QUAD CITIES NUCLEAR POWER STATION

TABLE 1.2-1 (Cont'd)

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1975

LIQUID EFFLUENTS

		Continuous Mode		Batch Mode	
	Unit	Quarter	Quarter	Quarter 3rd	Quarter 4th
Sr-89	Ci			1.01 E-01	
Sr-90	Ci			3.30 E-03	
Cs-134	Ci			5.27 E-01	5.75 E-03
Cs-137	Ci			9.96 E-01	1.00 E-01
I-131	Ci			1.39 E-01	1.00 E-02
Co-58	Ci			1.18 E-02	1.28 E-03
Co-60	Ci			1.46 E-01	6.63 E-02
Fe-59	Ci			1.21 E-02	< LDL
Zn-65	Ci			2.85 E-03	9.87 E-04
Mn-54	Ci			1.57 E-02	2.95 E-03
Cr-51	Ci			6.04 E-02	9.34 E-03
Zr-95	Ci			6.21 E-04	< LDL
Nb-95	Ci			4.68 E-04	< LDL
Mo-99	Ci			< LDL	< LDL
Tc-99m	Ci			< LDL	9.70 E-04
Ba-140	Ci			< LDL	< LDL
Ce-141	Ci			< LDL	< LDL
La-140	Ci			1.52 E-02	9.70 E-04
Ag-110m	Ci			3.11 E-03	6.45 E-04
Unidentified	Ci			2.56 E+00	
Total for Period (above)	Ci			4.59 E+00	5.50 E-01
Xe-133	Ci			< LDL	< LDL
Xe-135	Ci			< LDL	< LDL

TABLE 2.0-1

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft3) Per Shipment	Volume (ft3) Per Month	Millicuries Per Shipment	Curies Per Month
7-1	N.E.	102.9		5259.9	
7-2	"	102.9		5377.2	
7-2	"	102.9		5077.3	
7-2	C.N.	44.1		17034.0	
7-2	N.E.	102.9		5008.0	
7-3	"	120.0		417.0	
7-3	C.N.	44.1		2171.0	
7-3	N.E.				
7-3	C.N.	44.1		1787.2	
7-7	N.E.	102.9		3892.1	
7-7	N.E.	102.9		3193.7	
7-7	C.N.	44.1		1853.9	
7-8	N.E.	102.9		2475.9	
7-8	N.E.	120.0		707.5	
7-8	N.E.	102.9		2789.6	
7-8	N.E.	102.9		4241.8	
7-9	N.E.	555.45		331.8	
7-10	N.E.	102.9		4425.5	
7-11	N.E.	102.9		5245.0	
7-11	N.E.	102.9		1386.3	
7-14	C.N.	44.1		1803.6	
7-14	N.E.	102.9		3135.1	
7-15	N.E.	102.9		4809.6	
7-15	N.E.	102.9		3508.0	
7-16	N.E.	102.9		4426.5	
7-16	N.E.	102.9		3041.6	
7-17	N.E.	102.9		1806.1	
7-18	N.E.	120.0		2972.6	
7-18	N.E.	120.0		1862.0	
7-21	N.E.	102.9		5954.5	
7-21	N.E.	102.9		1279.1	
7-22	N.E.	220.5		83.24	
7-23	N.E.	102.9		1853.0	
7-23					

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
7-23	C.N.	44.1		535.2	
7-24	N.E.	102.9		1819.1	
7-25	N.E.	102.9		2166.0	
7-28	C.N.	44.1		15280.5	
7-28	N.E.	102.9		3808.7	
7-29	N.E.	102.9		4043.4	
7-29	N.E.	102.9		4091.4	
7-30	N.E.	404.25		2691.2	
7-30	N.E.	120.0		1268.8	
7-31	N.E.	404.25		3152.9	
7-31	C.N.	36.75		1071.8	
			5205.3		148.17
8-1	C.N.	44.1		2471.6	
8-4	N.E.	102.9		2170.9	
8-4	C.N.	44.1		22803.9	
8-4	N.E.	102.9		4475.6	
8-5	N.E.	102.9		4074.8	
8-6	N.E.	102.9		2797.1	
8-6	N.E.	102.9		4840.0	
8-8	N.E.	120.0		0.66	
8-8	C.N.	44.1		19056.3	
8-8	N.E.	264.6		61.76	
8-8	C.N.	44.1		12523.0	
8-9	N.E.	120.0		1520.53	
8-9	N.E.	102.9		1803.6	
8-11	C.N.	44.1		16283.2	
8-11	N.E.	102.9		8893.9	
8-12	N.E.	102.9		4568.2	
8-13	N.E.	102.9		3099.2	
8-13	N.E.	102.9		5345.0	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
8-14	C.N.	102.9		19250.7	
8-15	N.E.	102.9		2147.4	
8-15	N.E.	102.9		1738.8	
8-18	N.E.	102.9		5731.9	
8-18	N.E.	120.0		8.19	
8-18	N.E.	102.9		3870.8	
8-19	N.E.	198.45		4.32	
8-19	C.N.	44.1		14529.3	
8-20	C.N.	44.1		20875.3	
8-21	C.N.	44.1		23881.8	
8-21	N.E.	102.9		1727.6	
8-22	N.E.	102.9		2876.7	
8-22	N.E.	102.9		1466.2	
8-25	N.E.	102.9		1210.4	
8-25	N.E.	120.0		2128.6	
8-25	N.E.	102.9		3800.8	
8-26	N.E.	102.9		1670.0	
8-26	N.E.	102.9		1226.0	
8-27	N.E.	418.95		312.74	
8-28	N.E.	102.9		1536.5	
8-28	C.N.	44.1		21073.4	
8-29	N.E.	44.1		4208.4	
			4169.7		233.0
9-2	N.E.	58.8		13119.5	
9-2	N.E.	102.9		4859.7	
9-2	N.E.	58.8		315.13	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
9-3	N.E.	102.9		5094.8	
9-3	N.E.	44.1		13193.00	
9-3	N.E.	102.9		3703.8	
9-4	C.N.	44.1		5117.0	
9-4	N.E.	102.9		4157.7	
9-4	N.E.	110.25		1504.0	
9-4	N.E.	58.8		4809.6	
9-4	C.N.	44.1		11857.0	
9-5	N.E.	102.9		4495.8	
9-5	N.E.	58.8		2525.1	
9-8	N.E.	29.4		1102.5	
9-8	N.E.	110.25		1511.4	
9-8	C.N.	44.1		17869.0	
9-8	N.E.	102.9		1655.8	
9-9	N.E.	294.0		224.75	
9-9	N.E.	102.9		2990.30	
9-10	N.E.	102.9		4316.7	
9-10	N.E.	58.8		3026.0	
9-10	C.N.	44.1		20042.0	
9-11	C.N.	44.1		21209.0	
9-11	N.E.	102.9		2388.0	
9-12	N.E.	58.8		2287.8	
9-12	N.E.	102.9		2071.8	
9-12	C.N.	44.1		10855.0	
9-13	N.E.	102.9		1091.4	
9-13	C.N.	44.1		10718.0	
9-16	C.N.	44.1		14529.0	
9-16	N.E.	102.9		4817.6	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft3) Per Shipment	Volume (ft3) Per Month	Millicuries Per Shipment	Curies Per Month
9-17	N.E.	102.9		7047.4	
9-17	N.E.	58.8		12024.0	
9-17	N.E.	51.45		2955.1	
9-17	C.N.	44.1		12491.6	
9-18	N.E.	58.8		20895.0	
9-19	N.E.	102.9		4218.9	
9-19	N.E.	58.8		13054.7	
9-22	C.N.	44.1		12442.3	
9-22	N.E.	102.9		6830.2	
9-22	N.E.	58.8		10859.6	
9-23	N.E.	44.1		18370.0	
9-23	N.E.	58.8		4910.0	
9-24	N.E.	58.8		11690.8	
9-24	N.E.	58.8		8750.8	
9-24	N.E.	102.9		4323.6	
9-25	N.E.	102.9		5127.3	
9-25	N.E.	58.8		18418.0	
9-26	C.N.	44.1		18547.0	
9-26	N.E.	102.9		8684.0	
9-26	N.E.	374.85		200.08	
9-29	N.E.	102.9		8336.3	
9-29	C.N.	44.1		10855.0	
9-30	N.E.	102.9		10179.9	
9-30	N.E.	58.8		6466.7	
			4498.2		434.1
10-1	N.E.	58.8		11020.0	
10-1	N.E.	102.9		5077.0	
10-1	C.N.	44.1		7682.3	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
10-2	N.E.	102.9		7211.0	
10-2	C.N.	44.1		6012.0	
10-3	C.N.	44.1		6262.5	
10-3	N.E.	102.9		7188.4	
10-3	N.E.	58.8		7264.5	
10-4	C.N.	44.1		16999.3	
10-6	N.E.	58.8		15311.0	
10-6	N.E.	102.9		5127.8	
10-7	N.E.	102.9		4159.0	
10-7	N.E.	58.8		7719.7	
10-8	N.E.	102.9		4259.6	
10-8	N.E.	58.8		32064.0	
10-9	C.N.	44.1		19833.0	
10-9	N.E.	102.9		2113.6	
10-9	N.E.	58.8		2102.7	
10-10	N.E.	58.8		5761.2	
10-10	N.E.	102.9		5761.5	
10-13	N.E.	58.8		1185.7	
10-13	N.E.	102.9		2129.0	
10-13	C.N.	44.1		25935.3	
10-14	N.E.	58.8		2338.0	
10-14	N.E.	102.9		1845.6	
10-15	N.E.	58.8		6179.0	
10-15	N.E.	102.9		739.9	
10-16	N.E.	102.9		516.5	
10-16	N.E.	58.8		387.0	
10-17	N.E.	102.9		899.2	
10-17	N.E.	58.8		435.0	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
10-17	N.E.	102.9		432.1	
10-20	C.N.	44.1		26030.0	
10-20	N.E.	102.9		4928.2	
10-20	N.E.	58.8		2621.9	
10-21	N.E.	58.8		18287.7	
10-21	N.E.	102.9		1860.6	
10-21	N.E.	102.9		1916.8	
10-22	N.E.	51.45		2369.7	
10-22	N.E.	441.0		384.49	
10-22	C.N.	44.1		32584.5	
10-23	N.E.	102.9		8718.0	
10-24	N.E.	102.9		7239.2	
10-24	N.E.	58.8		10187.0	
10-24	N.E.	58.8		14096.0	
10-27	N.E.	44.1		29486.8	
10-27	N.E.	120.0		2718.8	
10-27	N.E.	102.9		3639.5	
10-28	N.E.	102.9		4200.6	
10-28	N.E.	58.8		10190.0	
10-29	N.E.	102.9		11812.3	
10-29	N.E.	102.9		5344.0	
10-30	N.E.	102.9		5969.3	
10-31	N.E.	102.9		9769.5	
10-31	N.E.	58.8		13193.0	
			4640.2		449.4
11-1	N.E.	58.8		5511.0	
11-1	N.E.	102.9		8183.0	
11-3	N.E.	102.9		9496.3	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
11-6	N.E.	95.55		4377.3	
11-6	C.N.	44.1		14402.0	
11-6	N.E.	213.15		127.46	
11-7	N.E.	58.8		2955.5	
11-7	N.E.	58.8		6051.6	
11-10	N.E.	102.9		1545.5	
11-10	N.E.	102.9		954.9	
11-12	N.E.	58.8		1920.5	
11-12	N.E.	102.9		1566.0	
11-12	N.E.	58.8		627.7	
11-14	N.E.	102.9		4175.7	
11-14	N.E.	102.9		3904.4	
11-14	N.E.	120.0		5.8	
11-17	N.E.	102.9		4843.3	
11-19	N.E.	102.9		6229.1	
11-19	N.E.	102.9		3557.1	
11-19	N.E.	441.0		327.36	
11-20	N.E.	10[illegible]3		5594.5	
11-20	N.E.	10[illegible]9		4024.9	
11-24	N.E.	10[illegible].9		6128.7	
11-24	N.E.	102.9		3874.4	
11-25	N.E.	102.9		1528.1	
11-25	N.E.	102.9		3457.3	
11-25	N.E.	102.9		6078.8	
11-26	N.E.	102.9		1028.6	
11-26	N.E.	102.9		4653.6	
11-26	N.E.	120.0		1089.63	
11-26	N.E.	58.8		2206.0	
			3341.6		140.4

19

1625 244

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station
July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft3) Per Shipment	Volume (ft3) Per Month	Millicuries Per Shipment	Curies Per Month
12-1	N.E.	102.9		5076.8	
12-1	N.E.	58.8		877.3	
12-1	N.E.	102.9		2364.5	
12-2	N.E.	102.9		6479.5	
12-2	N.E.	58.8		3957.5	
12-2	N.E.	102.9		3291.4	
12-3	N.E.	102.9		10474.2	
12-3	N.E.	58.8		6179.0	
12-3	N.E.	102.9		5043.3	
12-4	N.E.	102.9		6493.2	
12-5	N.E.	286.65		449.1	
12-8	N.E.	58.8		8558.7	
12-8	N.E.	88.2		7360.0	
12-8	N.E.	102.9		3245.0	
12-9	N.E.	102.9		6043.7	
12-9	N.E.	58.8		336.4	
12-9	N.E.	102.9		5327.7	
12-10	N.E.	102.9		4010.6	
12-11	N.E.	102.9		5404.6	
12-12	N.E.	102.9		1803.7	
12-15	C.N.	44.1		16802.3	
12-15	N.E.	58.8		3298.1	
12-15	N.E.	102.9		1188.8	
12-16	N.E.	58.8		6036.9	
12-16	N.E.	58.8		15180.5	
12-16	N.E.	883.4		308.1	
12-17	N.E.	102.9		11022.0	
12-17	C.N.	44.1		17869.0	
12-17	N.E.	80.85		8016.0	

TABLE 2.0-1 (Cont'd)

Solid Radioactive Waste Summary
Units 1/2
Quad Cities Station

July-December 1975

N.E. = Nuclear Engineering
C.N. = Chem Nuclear

Date	Disposition of Material	Volume (ft^3) Per Shipment	Volume (ft^3) Per Month	Millicuries Per Shipment	Curies Per Month
12-18	N.E.	58.8		17744.0	
12-18	N.E.	102.9		12961.4	
12-18	C.N.	44.1		15197.0	
12-19	N.E.	120.0		2438.2	
12-22	C.N.	44.1		2505.0	
12-22	N.E.	58.8		1954.4	
12-22	N.E.	58.8		8015.0	
12-23	C.N.	44.1		6095.0	
12-23	C.N.	44.1		5844.5	
12-23	N.E.	58.8		7597.5	
12-23	N.E.	58.8		6680.0	
12-24	C.N.	44.1		4342.0	
12-24	N.E.	58.8		5093.5	
12-29	N.E.	102.9		6337.7	
12-29	N.E.	102.9		8717.6	
12-30	N.E.	102.9		4666.7	
12-30	N.E.	120.0		2012.3	
12-31	N.E.	227.85		106.4	
12-31	N.E.	102.9		3056.7	
			4864.3		293.9