OCONEE NUCLEAR STATION

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM

ANNUAL SUMMARY

January 1, 1980 - December 31, 1980

8105080 281

Environmental Radiological Monitoring Program - Annual Summary

Table 1 summarizes the environmental monitoring program for 1980. Table 2 provides the locations of milch animals determined by survey within a five mile radius of the station.

Some unavoidable deviations from the routine sampling schedule occurred during the year. These deviations are tabulated below:

Unavailable Analysis	Reason
1) Commercial crops (015), 7/1/80	No crops available.
2) Fish (000.5), 3/11/80	Unable to collect shad.
3) Surface water (000.7), 9/2-10/7/80	Sample over acidic.
4) Air particulate (009), 11/25-12/2/80	Motor malfunction.
5) Rain and settled dust	
a) (000.2) 2/5-3/4/80	Bucket missing.
b) (000.1) 7/1-8/5/80	Spilled during shipping.
c) (002) 11/4-12/2/80	Bucket split.

During the year several sample types, primarily in the aquatic pathway and for locations near the waste discharge area, were statistically higher than the control samples. In particular, bottom sediment samples just below the discharge point (location 000.4) showed Co-58, Co-60, Cs-134, and Cs-137 at levels well above background as would be expected.

Whenever any of the observed activities exceeded control values, reports were written (see last column of Table 1) as required by Technical Specifications explaining the occurrence with the evaluation of the dose significance. In 1980 13 measurements required reports, a significant decrease from the total of 35 reportable measurements in 1979. None of these observed activities resulted in a significant environmental dose potential or danger to the public. Finally, trend analyses for the year showed no significant long-term positive trends in environmental media. The possible positive trend in aquatic vegetation and bottom sediment mentioned in last year's report has been reversed.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 006 9.5 mi/SSE	NO. OF NON-ROUTINE REPORT MEAS.
AIR FILTER PCI/CUBIC MET. 4 LOCATIONS								
	ALPHA-T	207	0.00	1.92E-03(155/ 155)	014	2.36E-03(52/ 52)	1.96E-03(50/ 52)	
				1.41E-04-- 6.25E-03	2.0 mi/SW	5.97E-04-- 6.25E-03	3.33E-04-- 5.90E-03	
	BETA-T	207	0.01	3.18E-02(155/ 155)	014	3.83E-02(52/ 52)	3.15E-02(52/ 52)	
				4.19E-03-- 1.67E-01		1.06E-02-- 1.67E-01	3.89E-03-- 1.15E-01	
	MN-54	207	0.00	2.76E-04(7/ 155)	014	3.83E-04(4/ 52)	5.00E-04(1/ 52)	
				1.94E-03-- 3.55E-03		1.94E-03-- 3.55E-03	5.88E-03-- 5.86E-03	
	FE-59	207	0.00	1.75E-03(11/ 155)	014	1.92E-03(4/ 52)	2.63E-03(3/ 52)	
				5.38E-03-- 1.58E-02		6.08E-03-- 1.58E-02	1.09E-02-- 1.94E-02	
	CO-58	207	0.00	3.11E-04(6/ 155)	009	4.41E-04(3/ 51)	2.78E-04(0/ 52)	
				1.90E-03-- 4.58E-03	4.5 mi/E	2.94E-03-- 4.58E-03	0.00E-01-- 0.00E-01	
	CO-60	207	0.00	5.22E-04(8/ 155)	014	6.48E-04(2/ 52)	6.75E-04(2/ 52)	
				2.78E-03-- 1.07E-02		2.98E-03-- 1.07E-02	2.18E-03-- 2.92E-03	
	ZN-65	207	0.00	-4.58E-04(5/ 155)	000	1.70E-04(4/ 52)	-1.30E-03(1/ 52)	
				4.26E-03-- 8.16E-03	0.3 mi/N	4.26E-03-- 7.33E-03	2.21E-02-- 2.21E-02	
	ZRNB-95	207	0.00	2.96E-03(28/ 155)	014	3.18E-03(12/ 52)	3.12E-03(8/ 52)	
				2.29E-03-- 6.60E-02		3.10E-03-- 2.78E-02	3.10E-03-- 3.04E-02	
	I-131	207	0.07	1.54E-03(24/ 155)	000	3.07E-03(18/ 52)	9.67E-04(3/ 52)	
				3.01E-03-- 1.99E-02		3.01E-03-- 1.99E-02	3.65E-03-- 8.35E-03	
	CS-134	207	0.01	-1.25E-04(0/ 155)	014	-9.56E-05(0/ 52)	-9.57E-04(0/ 52)	
				0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	CS-137	207	0.01	2.77E-03(61/ 155)	014	2.96E-03(18/ 52)	5.80E-03(31/ 52)	
				1.87E-03-- 1.00E-02		1.87E-03-- 9.52E-03	3.03E-03-- 2.28E-02	
	BALA-140	207	0.00	1.03E-03(12/ 155)	014	1.48E-03(5/ 52)	4.66E-04(1/ 52)	
				2.09E-03-- 2.32E-02		2.28E-03-- 2.32E-02	1.65E-02-- 1.68E-02	

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AIR FILTER COMPOSITE PCI/CUBIC MET. 4 LOCATIONS	SR-89	48	0.00	5.40E-03(6/ 36) 1.20E-03-- 1.10E-02	014 2.0 mi/SW	7.20E-03(2/ 12) 3.40E-03-- 1.10E-02	5.40E-03(2/ 12) 2.80E-03-- 8.00E-03	
	SR-90	48	0.00	6.09E-04(31/ 36) 1.00E-04-- 1.90E-03	014	8.60E-04(9/ 12) 3.70E-04-- 1.90E-03	6.89E-04(10/ 12) 3.60E-03-- 1.52E-03	

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GROUND WATER PCI/L 2 LOCATIONS							
	ALPHA-T 8	0.50	2.40E-01(1/ 4) 3.44E-01-- 3.44E-01	015 2.0 mi/SSE	2.40E-01(1/ 4) 3.44E-01-- 3.44E-01	1.00E 01(4/ 4) 6.97E 00-- 1.60E 01	
	BETA-T 8	1.00	1.63E 00(4/ 4) 9.63E-01-- 2.23E 00	015	1.63E 00(4/ 4) 9.63E-01-- 2.23E 00	8.40E 00(4/ 4) 5.97E 00-- 1.11E 01	
	SR-89 8	10.00	< LLD (0/ 4)	< LLD		< LLD (0/ 4)	
	SR-90 8	2.00	< LLD (0/ 4)	< LLD		< LLD (0/ 4)	
	H-3 8	330.00	2.08E 02(4/ 4) 1.50E 02-- 2.60E 02	015	2.08E 02(4/ 4) 1.50E 02-- 2.60E 02	1.93E 02(3/ 4) 1.00E 02-- 2.60E 02	
	MN-54 8	15.00	1.85E 00(0/ 4) 0.00E-01-- 0.00E-01	015	1.85E 00(0/ 4) 0.00E-01-- 0.00E-01	-1.30E 00(0/ 4) 0.00E-01-- 0.00E-01	
	FE-59 8	30.00	-5.41E-01(0/ 4) 0.00E-01-- 0.00E-01	015	-5.41E-01(0/ 4) 0.00E-01-- 0.00E-01	7.10E 00(1/ 4) 9.64E 00-- 9.64E 00	
	CO-58 8	15.00	1.85E 00(1/ 4) 5.29E 00-- 5.29E 00	015	1.85E 00(1/ 4) 5.29E 00-- 5.29E 00	-0.18E-01(0/ 4) 0.00E-01-- 0.00E-01	
	CO-60 8	15.00	-8.25E-01(0/ 4) 0.00E-01-- 0.00E-01	015	-8.25E-01(0/ 4) 0.00E-01-- 0.00E-01	2.02E 00(1/ 4) 5.31E 00-- 5.31E 00	
	ZN-65 8	30.00	-4.64E 00(0/ 4) 0.00E-01-- 0.00E-01	015	-4.64E 00(0/ 4) 0.00E-01-- 0.00E-01	5.69E-01(0/ 4) 0.00E-01-- 0.00E-01	
	ZRNB-95 8	10.00	-2.30E-02(0/ 4) 0.00E-01-- 0.00E-01	015	-2.30E-02(0/ 4) 0.00E-01-- 0.00E-01	6.48E-02(0/ 4) 0.00E-01-- 0.00E-01	
	I-131 8	15.00	-2.24E-01(0/ 4) 0.00E-01-- 0.00E-01	015	-2.24E-01(0/ 4) 0.00E-01-- 0.00E-01	-1.54E 00(0/ 4) 0.00E-01-- 0.00E-01	
	CS-134 8	15.00	-7.32E-01(0/ 4) 0.00E-01-- 0.00E-01	015	-7.32E-01(0/ 4) 0.00E-01-- 0.00E-01	-1.39E 00(0/ 4) 0.00E-01-- 0.00E-01	
	CS-137 8	15.00	-1.26E 00(0/ 4) 0.00E-01-- 0.00E-01	015	-1.26E 00(0/ 4) 0.00E-01-- 0.00E-01	-5.48E-01(0/ 4) 0.00E-01-- 0.00E-01	
	BALA-140 3	15.00	-0.42E-01(0/ 4) 0.00E-01-- 0.00E-01	015	-0.42E-01(0/ 4) 0.00E-01-- 0.00E-01	-1.23E-01(0/ 4) 0.00E-01-- 0.00E-01	

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SURFACE WATER PCI/L 6 LOCATIONS							
	ALPHA-D 74	0.50	6.02E-02(9/ 62) 2.39E-01-- 8.63E-01	000.7 0.9 mi/ESE	7.16E-02(3/ 14) 3.32E-01-- 7.19E-01	6.78E-02(2/ 12) 1.77E-01-- 6.12E-01	
	ALPHA-S 74	0.50	-1.86E-02(2/ 62) 4.30E-01-- 5.85E-01	000.6 0.2 mi/NNE	3.40E-02(1/ 12) 5.85E-01-- 5.85E-01	-4.23E-03(1/ 12) 2.83E-01-- 2.83E-01	
	BETA-D 74	1.00	2.85E 00(61/ 62) 7.91E-01-- 2.59E 01	000.7	7.28E 00(14/ 14) 1.34E 00-- 2.59E 01	1.48E 00(12/ 12) 7.49E-01-- 2.57E 00	
	BETA-S 74	1.00	2.18E-01(13/ 62) 4.23E-01-- 1.22E 00	000.7	2.77E-01(3/ 14) 7.12E-01-- 7.78E-01	4.02E-02(1/ 12) 8.23E-01-- 8.23E-01	
	MN-54 75	15.00	-9.96E-02(3/ 63) 5.36E 00-- 8.60E 00	013 7.8 mi/SSE	2.08E-01(0/ 12) 0.00E-01-- 0.00E-01	2.50E-02(0/ 12) 0.00E-01-- 0.00E-01	
	FE-59 75	30.00	1.08E-01(0/ 63) 0.00E-01-- 0.00E-01	000.6	2.57E 00(0/ 12) 0.00E-01-- 0.00E-01	1.51E 00(0/ 12) 0.00E-01-- 0.00E-01	
	CO-58 75	15.00	-3.05E-02(3/ 63) 6.45E 00-- 1.58E 01	000.7	1.56E 00(2/ 15) 7.16E 00-- 1.58E 01	-5.27E-01(0/ 12) 0.00E-01-- 0.00E-01	
	CO-60 75	15.00	1.29E 00(4/ 63) 6.50E 00-- 7.90E 00	000.6	2.30E 00(0/ 12) 0.00E-01-- 0.00E-01	1.49E 00(0/ 12) 0.00E-01-- 0.00E-01	
	ZN-65 75	30.00	-2.51E-01(0/ 63) 0.00E-01-- 0.00E-01	000.5 1.1 MI?SW	3.05E-01(0/ 12) 0.00E-01-- 0.00E-01	-7.02E-01(0/ 12) 0.00E-01-- 0.00E-01	
	ZRNB-95 75	10.00	3.54E-01(2/ 63) 7.08E 00-- 8.01E 00	005.2 4.5 mi/SSE	1.22E 00(0/ 12) 0.00E-01-- 0.00E-01	9.60E-01(0/ 12) 0.00E-01-- 0.00E-01	
	I-131 75	15.00	7.28E-01(4/ 63) 7.64E 00-- 1.19E 01	005.2	1.53E 00(2/ 12) 8.32E 00-- 1.19E 01	-3.92E-01(0/ 12) 0.00E-01-- 0.00E-01	
	CS-134 75	15.00	-5.72E-01(0/ 63) 0.00E-01-- 0.00E-01	000.7	2.11E-01(0/ 15) 0.00E-01-- 0.00E-01	-3.03E-01(0/ 12) 0.00E-01-- 0.00E-01	
	CS-137 75	15.00	2.23E 00(7/ 63) 6.66E 00-- 1.37E 01	000.7	5.40E 00(6/ 15) 6.66E 00-- 1.37E 01	4.50E-01(0/ 12) 0.00E-01-- 0.00E-01	
	BALA-140 75	15.00	-2.69E-01(0/ 63) 0.00E-01-- 0.00E-01	000.6	5.91E-01(0/ 12) 0.00E-01-- 0.00E-01	-1.60E-02(0/ 12) 0.00E-01-- 0.00E-01	

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SURFACE WATER COMPOSITE PCI/L 6 LOCATIONS	SR-89	26	10.00	< LLD (0/ 22)	< LLD		< LLD (0/ 4)	
	SR-90	26	2.00	4.98E-01(5/ 22) 3.40E-01-- 8.70E-01	013 7.8 mi/SSE	8.70E-01(1/ 4) 8.70E-01-- 8.70E-01	4.45E-01(2/ 4) 3.70E-01-- 5.20E-01	
	H-3	26	330.00	1.88E 03(21/ 22) 1.30E 02-- 9.35E 03	000.7 0.9 mi/ESE	4.93E 03(6/ 6) 7.10E 02-- 9.35E 03	2.23E 02(4/ 4) 1.40E 02-- 3.10E 02	

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DRINKING WATER PCI/L 3 LOCATIONS								
	ALPHA-T	36	0.50	1.17E-01(4/ 24)	006.1	1.34E-01(3/ 12)	2.22E-02(2/ 12)	
				2.26E-01-- 7.76E-01	8.5 mi/SSE	2.26E-01-- 7.76E-01	2.04E-01-- 2.26E-01	
	BETA-T	36	1.00	1.77E 00(24/ 24)	012	1.86E 00(12/ 12)	1.63E 00(11/ 12)	
				8.79E-01-- 3.21E 00	19.0 mi/SSE	8.79E-01-- 2.69E 00	7.20E-01-- 2.86E 00	
	MN-54	36	15.00	4.75E-01(0/ 24)	012	9.17E-01(0/ 12)	5.72E-01(0/ 12)	
				0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	FE-59	36	30.00	8.06E-01(0/ 24)	012	2.05E 00(0/ 12)	2.31E 00(1/ 12)	
				0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	1.78E 01-- 1.78E 01	
	CO-58	36	15.00	6.34E-01(1/ 24)	006.1	9.39E-01(1/ 12)	6.62E-01(1/ 12)	
				6.13E 00-- 6.13E 00		6.13E 00-- 6.13E 00	7.89E 00-- 7.89E 00	
	CO-60	36	15.00	1.04E 00(2/ 24)	012	1.79E 00(0/ 12)	1.45E 00(0/ 12)	
				5.05E 00-- 5.39E 00		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	ZN-65	36	30.00	-9.21E-01(0/ 24)	012	-1.24E-01(0/ 12)	-2.15E 00(0/ 12)	
				0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	ZRNB-95	36	10.00	8.71E-01(4/ 24)	006.1	1.54E 00(3/ 12)	5.15E-01(1/ 12)	
				5.13E 00-- 7.25E 00		5.13E 00-- 7.25E 00	8.62E 00-- 8.62E 00	
	I-131	36	15.00	8.19E-01(3/ 24)	012	1.72E 00(3/ 12)	-2.67E-01(0/ 12)	
				6.90E 00-- 7.91E 00		6.90E 00-- 7.91E 00	0.00E-01-- 0.00E-01	
	CS-134	36	15.00	-7.64E-01(0/ 24)	012	-4.10E-01(0/ 12)	-6.41E-01(0/ 12)	
				0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	CS-137	36	15.00	4.85E-01(1/ 24)	012	9.43E-01(1/ 12)	-5.16E-01(0/ 12)	
				1.06E 01-- 1.06E 01		1.06E 01-- 1.06E 01	0.00E-01-- 0.00E-01	
	BALA-140	36	15.00	2.53E-01(1/ 24)	012	4.90E-01(1/ 12)	1.89E-01(0/ 12)	
				8.90E 00-- 8.90E 00		8.90E 00-- 8.90E 00	0.00E-01-- 0.00E-01	

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DRINKING WATER COMPOSITE PCI/L 3 LOCATIONS							
	SR-89 12	10.00	< LLD (0/ 8)	< LLD		< LLD (0/ 4)	
	SR-90 12	2.00	< LLD (0/ 8)	< LLD		< LLD (0/ 4)	
	H-3 12	330.00	5.14E 02(8/ 8) 2.20E 02-- 9.70E 02	006.1 8.5 mi/SSE	6.60E 02(4/ 4) 3.40E 02-- 9.70E 02	2.00E 02(1/ 4) 1.20E 02-- 2.80E 02	

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RAW WATER PCI/L 3 LOCATIONS								
	ALPHA-D	36	0.50	5.98E-02(3/ 24) 3.09E-01-- 8.46E-01	012 19.0 mi/SSE	9.30E-02(2/ 12) 3.89E-01-- 8.46E-01	1.23E-01(1/ 12) 3.26E-01-- 3.26E-01	
	ALPHA-S	36	0.50	1.44E-01(6/ 24) 3.90E-01-- 1.69E 00	006.1 8.5 mi/SSE	2.36E-01(4/ 12) 4.76E-01-- 1.69E 00	8.96E-02(1/ 12) 3.95E-01-- 3.95E-01	
	BETA-D	36	1.00	1.86E 00(24/ 24) 1.43E 00-- 2.44E 00	012	1.93E 00(12/ 12) 1.52E 00-- 2.44E 00	1.53E 00(12/ 12) 8.11E-01-- 2.53E 00	
	BETA-S	36	1.00	1.09E-01(3/ 24) 6.69E-01-- 1.09E 00	012	3.05E-01(3/ 12) 6.69E-01-- 1.09E 00	2.26E-01(3/ 12) 6.42E-01-- 8.53E-01	
	I-131/LL	36	1.50	7.74E-03(1/ 24) 6.27E-01-- 6.27E-01	006.1	4.52E-02(1/ 12) 6.27E-01-- 6.27E-01	1.09E-02(1/ 12) 1.97E-01-- 1.97E-01	
	MN-54	36	15.00	6.92E-01(0/ 24) 0.00E-01-- 0.00E-01	012	9.35E-01(0/ 12) 0.00E-01-- 0.00E-01	8.52E-01(0/ 12) 0.00E-01-- 0.00E-01	
	FE-59	36	30.00	-1.36E 00(0/ 24) 0.00E-01-- 0.00E-01	005.1	2.58E-01(0/ 12) 0.00E-01-- 0.00E-01	2.37E 00(1/ 12) 2.24E 01-- 2.24E 01	
	CO-58	36	15.00	-1.32E-01(0/ 24) 0.00E-01-- 0.00E-01	005.1	5.89E-01(0/ 12) 0.00E-01-- 0.00E-01	8.79E-02(0/ 12) 0.00E-01-- 0.00E-01	
	CO-60	36	15.00	2.43E 00(3/ 24) 8.19E 00-- 1.12E 01	012	3.24E 00(2/ 12) 8.19E 00-- 1.12E 01	1.84E 00(1/ 12) 1.08E 01-- 1.08E 01	
	ZN-65	36	30.00	-1.50E 00(0/ 24) 0.00E-01-- 0.00E-01	012	-8.73E-01(0/ 12) 0.00E-01-- 0.00E-01	2.09E-01(0/ 12) 0.00E-01-- 0.00E-01	
	ZRNB-95	36	10.00	-5.01E-01(0/ 24) 0.00E-01-- 0.00E-01	006.1	-3.15E-01(0/ 12) 0.00E-01-- 0.00E-01	6.03E-01(0/ 12) 0.00E-01-- 0.00E-01	
	I-131	36	15.00	1.53E 00(0/ 24) 0.00E-01-- 0.00E-01	005.1	2.36E 00(0/ 12) 0.00E-01-- 0.00E-01	1.39E 00(1/ 12) 8.11E 00-- 8.11E 00	
	CS-134	36	15.00	-7.41E-01(0/ 24) 0.00E-01-- 0.00E-01	006.1	-7.18E-01(0/ 12) 0.00E-01-- 0.00E-01	-5.77E-01(0/ 12) 0.00E-01-- 0.00E-01	
	CS-137	36	15.00	1.62E 00(3/ 24) 6.21E 00-- 9.16E 00	012	2.29E 00(2/ 12) 6.21E 00-- 9.16E 00	1.97E 00(2/ 12) 7.04E 00-- 7.35E 00	
	BALA-140	36	15.00	9.10E-02(0/ 24) 0.00E-01-- 0.00E-01	006.1	2.28E-01(0/ 12) 0.00E-01-- 0.00E-01	-7.73E-01(0/ 12) 0.00E-01-- 0.00E-01	

MEAN BASED UPON ALL NET ACTIVITY MEASUREMENTS
RANGE BASED UPON DETECTABLE ACTIVITY MEASUREMENTS ONLY
ZERO RANGE INDICATES NO DETECTABLE ACTIVITY MEASUREMENTS
FRACTION OF DETECTABLE ACTIVITY MEASUREMENTS AT SPECIFIED LOCATIONS IS INDICATED IN PARENTHESES. (F)

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1990 - DECEMBER 31,1990

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 004.1 6.0 mi/SSW	NO. OF NON-ROUTINE REPORT MEAS.
RAW WATER COMPOSITE PCI/L 3 LOCATIONS	SR-89	12	10.00	< LLD (0/ 8)	< LLD		< LLD (0/ 4)	—
	SR-90	12	2.00	3.70E-01(1/ 8) 3.70E-01-- 3.70E-01	012 19.0 mi/SSE	3.70E-01(1/ 4) 3.70E-01-- 3.70E-01	< LLD (0/ 4)	
	H-3	12	330.00	4.80E 02(8/ 8) 1.70E 02-- 9.30E 02	006.1 8.5 mi/SSE	6.73E 02(4/ 4) 3.10E 02-- 9.30E 02	1.85E 02(4/ 4) 1.50E 02-- 2.00E 02	

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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1, 1980 - DECEMBER 31, 1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	LOCATION W/ HIGHEST ANN. MEAN: MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 006.3 9.5 mi/SSE	NO. OF NON-ROUTINE REPORT MEAS.
MILK							
PCI/L 3 LOCATIONS	SR-89 20	10.00	< LLD (0/ 15)	< LLD		< LLD (0/ 5)	
	SR-90 20	2.00	5.61E 00(15/ 15) 6.40E-01-- 2.30E 01	002.1 4.5 mi/W	5.71E 00(12/ 12) 2.20E 00-- 2.30E 01	3.22E 00(5/ 5) 2.50E 00-- 4.30E 00	
	H-3 20	330.00	2.42E 02(15/ 15) 1.00E 02-- 4.90E 02	015 2.0 mi/SSE	3.03E 02(3/ 3) 2.00E 02-- 4.90E 02	3.02E 02(5/ 5) 2.40E 02-- 3.40E 02	
	I-131/LL 61	0.50	1.32E-01(14/ 56) 2.27E-01-- 1.59E 00	015	7.46E-01(3/ 3) 2.65E-01-- 1.59E 00	1.86E-01(2/ 5) 3.42E-01-- 3.42E-01	
	K-40 20	200.00	1.39E 03(15/ 15) 9.69E 02-- 1.70E 03	002.1	1.42E 03(12/ 12) 1.14E 03-- 1.70E 03	1.32E 03(5/ 5) 1.06E 03-- 1.45E 03	
	MN-54 20	0.00	1.43E-02(0/ 15) 0.00E-01-- 0.00E-01	015	8.41E-02(0/ 3) 0.00E-01-- 0.00E-01	-5.25E-01(0/ 5) 0.00E-01-- 0.00E-01	
	FE-59 20	0.00	2.29E 00(2/ 15) 1.90E 01-- 2.45E 01	002.1	2.94E 00(2/ 12) 1.90E 01-- 2.45E 01	-2.92E-01(0/ 5) 0.00E-01-- 0.00E-01	
	CO-58 20	0.00	1.58E-01(1/ 15) 5.74E 00-- 5.74E 00	002.1	3.99E-01(1/ 12) 5.74E 00-- 5.74E 00	1.23E 00(1/ 5) 6.57E 00-- 6.57E 00	
	CO-60 20	0.00	2.38E-01(0/ 15) 0.00E-01-- 0.00E-01	015	1.80E 00(0/ 3) 0.00E-01-- 0.00E-01	1.82E 00(0/ 5) 0.00E-01-- 0.00E-01	
	ZN-65 20	0.00	-2.02E-01(0/ 15) 0.00E-01-- 0.00E-01	002.1	1.37E-01(0/ 12) 0.00E-01-- 0.00E-01	-3.73E 00(0/ 5) 0.00E-01-- 0.00E-01	
	ZRNB-95 20	0.00	1.14E 00(1/ 15) 7.99E 00-- 7.99E 00	002.1	1.16E 00(1/ 12) 7.99E 00-- 7.99E 00	7.09E-02(0/ 5) 0.00E-01-- 0.00E-01	
	I-131 20	15.00	-8.55E-01(0/ 15) 0.00E-01-- 0.00E-01	002.1	-4.48E-01(0/ 12) 0.00E-01-- 0.00E-01	5.46E-01(0/ 5) 0.00E-01-- 0.00E-01	
	CS-134 20	15.00	-2.60E-01(0/ 15) 0.00E-01-- 0.00E-01	002.1	-7.70E-03(0/ 12) 0.00E-01-- 0.00E-01	-2.60E-01(0/ 5) 0.00E-01-- 0.00E-01	
	CS-137 20	15.00	2.83E 00(2/ 15) 1.06E 01-- 1.37E 01	002.1	3.59E 00(2/ 12) 1.06E 01-- 1.37E 01	2.63E 00(0/ 5) 0.00E-01-- 0.00E-01	
	BALA-140 20	15.00	-9.54E-03(0/ 15) 0.00E-01-- 0.00E-01	002.1	1.50E-01(0/ 12) 0.00E-01-- 0.00E-01	-5.03E-01(0/ 5) 0.00E-01-- 0.00E-01	

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RANGE BASED UPON DETECTABLE ACTIVITY MEASUREMENTS ONLY
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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1990

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 006 9.5 mi/SSE	NO. OF NON-ROUTINE REPORT MEAS.
BROAD-LEAF VEGETATION PCI/KG (WET) 4 LOCATIONS	K-40	16	400.00	4.88E 03(12/ 12) 1.94E 03-- 6.54E 03	002.1 4.5 mi/W	5.47E 03(4/ 4) 4.79E 03-- 6.54E 03	4.70E 03(4/ 4) 2.89E 03-- 6.32E 03	
	MN-54	16	0.00	2.26E 00(2/ 12) 9.73E 00-- 5.89E 01	000 0.3 mi/N	1.14E 01(1/ 4) 5.89E 01-- 5.89E 01	1.10E 01(0/ 4) 0.00E-01-- 0.00E-01	
	FE-59	16	0.00	2.63E 01(1/ 12) 1.30E 02-- 1.30E 02	000	4.16E 01(0/ 4) 0.00E-01-- 0.00E-01	-1.64E 01(0/ 4) 0.00E-01-- 0.00E-01	
	CO-58	16	0.00	6.38E 00(1/ 12) 5.13E 01-- 5.13E 01	002.1	1.40E 01(1/ 4) 5.13E 01-- 5.13E 01	-3.31E 00(0/ 4) 0.00E-01-- 0.00E-01	
	CO-60	16	0.00	1.06E 01(2/ 12) 1.43E 01-- 5.59E 01	002.1	1.40E 01(1/ 4) 1.43E 01-- 1.43E 01	1.81E 01(1/ 4) 8.07E 01-- 8.07E 01	
	ZN-65	16	0.00	-1.57E 01(0/ 12) 0.00E-01-- 0.00E-01	000	3.21E 00(0/ 4) 0.00E-01-- 0.00E-01	7.00E 00(0/ 4) 0.00E-01-- 0.00E-01	
	ZRNB-95	16	0.00	6.39E 00(1/ 12) 4.43E 01-- 4.43E 01	000	1.45E 01(1/ 4) 4.43E 01-- 4.43E 01	-6.35E 00(0/ 4) 0.00E-01-- 0.00E-01	
	I-131	16	80.00	-3.47E-01(0/ 12) 0.00E-01-- 0.00E-01	015 2.0 mi/SSE	3.59E 00(0/ 4) 0.00E-01-- 0.00E-01	-7.81E 00(0/ 4) 0.00E-01-- 0.00E-01	
	CS-134	16	100.00	-8.36E 00(0/ 12) 0.00E-01-- 0.00E-01	000	-6.07E 00(0/ 4) 0.00E-01-- 0.00E-01	-8.98E-01(0/ 4) 0.00E-01-- 0.00E-01	
	CS-137	16	100.00	1.07E 01(1/ 12) 5.13E 01-- 5.13E 01	015	2.80E 01(1/ 4) 5.13E 01-- 5.13E 01	1.55E 01(1/ 4) 2.06E 01-- 2.06E 01	
	BALA-140	16	0.00	-4.10E-01(0/ 12) 0.00E-01-- 0.00E-01	015	1.10E 00(0/ 4) 0.00E-01-- 0.00E-01	5.63E 00(0/ 4) 0.00E-01-- 0.00E-01	

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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 000.5 1.0 mi/NNE	NO. OF NON-ROUTINE REPORT MEAS.
AQUATIC VEGETATION PCI/KG (WET) 3 LOCATIONS								
	SR-89	6	40.00	< LLD (0/ 4)	< LLD		< LLD (0/ 2)	
	SR-90	6	8.00	3.05E 01(2/ 4) 1.50E 01-- 4.60E 01	005.2 4.5 mi/SSE	3.05E 01(2/ 2) 1.50E 01-- 4.60E 01	3.45E 01(2/ 2) 1.30E 01-- 5.60E 01	
	K-40	6	400.00	3.27E 03(3/ 4) 2.90E 03-- 6.25E 03	005.2	3.31E 03(2/ 2) 2.90E 03-- 3.73E 03	4.15E 03(2/ 2) 2.92E 03-- 5.39E 03	
	MN-54	6	0.00	1.43E 02(2/ 4) 1.49E 02-- 4.01E 02	000.4 0.7 mi/ENE	2.75E 02(2/ 2) 1.49E 02-- 4.01E 02	4.09E 01(0/ 2) 0.00E-01-- 0.00E-01	
	FE-59	6	0.00	-1.23E 00(0/ 4) 0.00E-01-- 0.00E-01	000.4	7.78E 00(0/ 2) 0.00E-01-- 0.00E-01	-8.36E 00(0/ 2) 0.00E-01-- 0.00E-01	
	CO-58	6	0.00	1.44E 03(4/ 4) 5.45E 01-- 3.77E 03	000.4	2.79E 03(2/ 2) 1.80E 03-- 3.77E 03	4.12E 00(0/ 2) 0.00E-01-- 0.00E-01	
	CO-60	6	0.00	1.76E 03(4/ 4) 7.31E 01-- 5.07E 03	000.4	3.35E 03(2/ 2) 1.64E 03-- 5.07E 03	2.92E 01(0/ 2) 0.00E-01-- 0.00E-01	
	ZN-65	6	0.00	-1.05E 01(0/ 4) 0.00E-01-- 0.00E-01	000.4	-2.03E-01(0/ 2) 0.00E-01-- 0.00E-01	-3.56E 01(0/ 2) 0.00E-01-- 0.00E-01	
	ZRNB-95	6	0.00	7.64E 01(3/ 4) 5.83E 01-- 1.90E 02	000.4	1.24E 02(2/ 2) 5.83E 01-- 1.90E 02	1.14E 01(0/ 2) 0.00E-01-- 0.00E-01	
	I-131	6	80.00	2.82E 01(0/ 4) 0.00E-01-- 0.00E-01	000.4	5.42E 01(0/ 2) 0.00E-01-- 0.00E-01	1.58E 01(0/ 2) 0.00E-01-- 0.00E-01	
	CS-134	6	100.00	1.74E 03(4/ 4) 5.46E 01-- 6.09E 03	000.4	3.41E 03(2/ 2) 7.27E 02-- 6.09E 03	-1.06E 01(0/ 2) 0.00E-01-- 0.00E-01	
	CS-137	6	100.00	4.56E 03(4/ 4) 4.11E 02-- 1.50E 04	000.4	8.61E 03(2/ 2) 2.27E 03-- 1.50E 04	1.19E 02(1/ 2) 1.69E 02-- 1.69E 02	1
	BALA-140	6	0.00	1.06E 01(0/ 4) 0.00E-01-- 0.00E-01	000.4	1.29E 01(0/ 2) 0.00E-01-- 0.00E-01	-8.82E 00(0/ 2) 0.00E-01-- 0.00E-01	

MEAN BASED UPON ALL NET ACTIVITY MEASUREMENTS
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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-237
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 006 9.5 mi/SSE	NO. OF NON-ROUTINE REPORT MEAS.
RAIN & SETTLED DUST PCI/SQ M 6 LOCATIONS								
	ALPHA-T	69	0.00	9.68E 01(52/ 57) 1.01E 01-- 2.26E 02	010 12 mi/ENE	1.26E 02(12/ 12) 3.79E 01-- 2.08E 02	7.95E 01(11/ 12) 1.20E 01-- 2.12E 02	
	BETA-T	69	0.00	9.00E 02(57/ 57) 2.10E 02-- 3.46E 03	000.2 0.7 mi/SSW	1.04E 03(11/ 11) 2.10E 02-- 3.44E 03	7.85E 02(12/ 12) 2.25E 02-- 2.25E 03	
	MN-54	69	0.00	1.49E 02(3/ 57) 7.45E 02-- 9.68E 02	000 0.3 mi/N	1.92E 02(1/ 12) 9.66E 02-- 9.68E 02	4.71E 01(0/ 12) 0.00E-01-- 0.00E-01	
	FE-59	69	0.00	2.67E 02(2/ 57) 1.67E 03-- 2.28E 03	010 12.0 mi/ENE	5.51E 02(1/ 12) 1.67E 03-- 1.67E 03	-9.12E 01(1/ 12) 1.38E 03-- 1.38E 03	
	CO-58	69	0.00	5.43E 01(1/ 57) 6.08E 02-- 6.08E 02	002 10.0 mi/WSW	2.83E 02(1/ 11) 6.08E 02-- 6.08E 02	-3.23E 02(0/ 12) 0.00E-01-- 0.00E-01	
	CO-60	69	0.00	2.32E 02(6/ 57) 5.27E 02-- 1.71E 03	002	3.47E 02(2/ 11) 5.46E 02-- 7.42E 02	2.94E 02(1/ 12) 1.06E 03-- 1.06E 03	
	ZN-65	69	0.00	-1.91E 02(0/ 57) 0.00E-01-- 0.00E-01	000.2	-8.56E 01(0/ 11) 0.00E-01-- 0.00E-01	-2.53E 02(0/ 12) 0.00E-01-- 0.00E-01	
	ZRNB-95	69	0.00	1.47E 02(5/ 57) 5.80E 02-- 1.26E 03	000.1	2.76E 02(1/ 11) 1.26E 03-- 1.26E 03	4.65E 02(3/ 12) 9.86E 02-- 2.36E 03	
	I-131	69	0.00	2.54E 02(5/ 57) 1.29E 03-- 1.79E 03	010	5.66E 02(4/ 12) 1.29E 03-- 1.75E 03	1.51E 02(0/ 12) 0.00E-01-- 0.00E-01	
	CS-134	69	0.00	-7.87E 01(0/ 57) 0.00E-01-- 0.00E-01	000.2	7.42E 00(0/ 11) 0.00E-01-- 0.00E-01	-6.05E 01(0/ 12) 0.00E-01-- 0.00E-01	
	CS-137	69	0.00	2.09E 02(2/ 57) 9.29E 02-- 2.21E 03	010	2.81E 02(1/ 12) 2.21E 03-- 2.21E 03	7.16E 01(0/ 12) 0.00E-01-- 0.00E-01	
	BALA-140	69	0.00	3.86E 00(1/ 57) 8.01E 02-- 8.01E 02	000	1.44E 02(1/ 12) 8.01E 02-- 8.01E 02	-6.27E 01(0/ 12) 0.00E-01-- 0.00E-01	

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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 000.5 1.0 mi/NNE	NO. OF NON-ROUTINE REPORT MEAS.
BOTTOM SEDIMENT PCI/KG (DRY) 6 LOCATIONS	SR-89	12	600.00	< LLD (0/ 10)	< LLD		< LLD (0/ 2)	
	SR-90	12	150.00	9.78E 01(4/ 10) 4.30E 01-- 2.40E 02	006.2 8.0 mi/SSE	1.48E 02(2/ 2) 5.50E 01-- 2.40E 02	9.30E 01(1/ 2) 9.30E 01-- 9.30E 01	
	MN-54	12	0.00	1.81E 01(1/ 10) 6.60E 01-- 6.60E 01	005.2 4.5 mi/SSE	3.86E 01(1/ 2) 6.60E 01-- 6.60E 01	1.31E 01(0/ 2) 0.00E-01-- 0.00E-01	
	FE-59	12	0.00	4.09E 01(1/ 10) 1.47E 02-- 1.47E 02	005.2	1.06E 02(1/ 2) 1.47E 02-- 1.47E 02	3.61E 01(0/ 2) 0.00E-01-- 0.00E-01	
	CO-58	12	0.00	8.54E 01(3/ 10) 9.93E 01-- 5.05E 02	000.4 0.7 mi/ENE	3.51E 02(2/ 2) 1.97E 02-- 5.05E 02	-1.40E 01(0/ 2) 0.00E-01-- 0.00E-01	
	CO-60	12	0.00	2.03E 02(6/ 10) 5.52E 01-- 5.66E 02	000.4	4.97E 02(2/ 2) 4.27E 02-- 5.66E 02	1.79E 01(0/ 2) 0.00E-01-- 0.00E-01	1
	ZN-65	12	0.00	-7.71E 00(0/ 10) 0.00E-01-- 0.00E-01	000.4	1.06E 01(0/ 2) 0.00E-01-- 0.00E-01	-7.41E-01(0/ 2) 0.00E-01-- 0.00E-01	
	ZRNB-95	12	0.00	3.05E 01(1/ 10) 9.95E 01-- 9.95E 01	006.2 8.0 mi/SSE	4.96E 01(1/ 2) 9.95E 01-- 9.95E 01	2.34E 01(0/ 2) 0.00E-01-- 0.00E-01	
	I-131	12	0.00	1.47E 01(0/ 10) 0.00E-01-- 0.00E-01	000.4	1.09E 02(0/ 2) 0.00E-01-- 0.00E-01	5.82E 00(0/ 2) 0.00E-01-- 0.00E-01	
	CS-134	12	150.00	7.22E 02(7/ 10) 7.07E 01-- 4.01E 03	000.4	2.86E 03(2/ 2) 1.72E 03-- 4.01E 03	-3.98E 00(0/ 2) 0.00E-01-- 0.00E-01	4
	CS-137	12	150.00	2.60E 03(9/ 10) 9.53E 01-- 1.22E 04	000.4	9.38E 03(2/ 2) 6.51E 03-- 1.22E 04	7.69E 01(2/ 2) 6.57E 01-- 8.83E 01	5
	BALA-140	12	0.00	-2.31E 00(0/ 10) 0.00E-01-- 0.00E-01	005.2	3.05E 00(0/ 2) 0.00E-01-- 0.00E-01	-4.54E 00(0/ 2) 0.00E-01-- 0.00E-01	

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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

OCONEE NUCLEAR STATION
PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED		(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 006 9.5 mi/SSE	NO. OF NON-ROUTINE REPORT MEAS.
TRI-ENNIAL SOIL PCI/KG (DRY) 3 LOCATIONS								
	SR-89	3	600.00	< LLD (0/ 2)	< LLD		< LLD (0/ 1)	
	SR-90	3	150.00	< LLD (0/ 2)	< LLD		8.90E 01(1/ 1) 8.90E 01-- 8.90E 01	
	MN-54	3	0.00	5.46E 00(0/ 2) 0.00E-01-- 0.00E-01	002.1 4.5 mi/W	9.16E 00(0/ 1) 0.00E-01-- 0.00E-01	-7.08E 00(0/ 1) 0.00E-01-- 0.00E-01	
	FE-59	3	0.00	1.24E 01(0/ 2) 0.00E-01-- 0.00E-01	000 0.3 mi/N	2.48E 01(0/ 1) 0.00E-01-- 0.00E-01	2.56E 01(0/ 1) 0.00E-01-- 0.00E-01	
	CO-58	3	0.00	-2.30E 00(0/ 2) 0.00E-01-- 0.00E-01	000	0.00E-01(0/ 1) 0.00E-01-- 0.00E-01	0.00E-01(0/ 1) 0.00E-01-- 0.00E-01	
	CO-60	3	0.00	2.47E 01(1/ 2) 3.36E 01-- 3.36E 01	002.1	3.36E 01(1/ 1) 3.36E 01-- 3.36E 01	6.90E 00(0/ 1) 0.00E-01-- 0.00E-01	
	ZN-65	3	0.00	-1.59E 01(0/ 2) 0.00E-01-- 0.00E-01	000	-8.83E 00(0/ 1) 0.00E-01-- 0.00E-01	5.92E 00(0/ 1) 0.00E-01-- 0.00E-01	
	ZRNB-95	3	0.00	6.79E 00(0/ 2) 0.00E-01-- 0.00E-01	000	1.21E 01(0/ 1) 0.00E-01-- 0.00E-01	1.94E 01(0/ 1) 0.00E-01-- 0.00E-01	
	I-131	3	0.00	5.02E 00(0/ 2) 0.00E-01-- 0.00E-01	000	5.45E 00(0/ 1) 0.00E-01-- 0.00E-01	-1.57E 01(0/ 1) 0.00E-01-- 0.00E-01	
	CS-134	3	150.00	-4.44E 00(0/ 2) 0.00E-01-- 0.00E-01	000	2.69E 00(0/ 1) 0.00E-01-- 0.00E-01	-1.96E 01(0/ 1) 0.00E-01-- 0.00E-01	
	CS-137	3	150.00	4.89E 02(2/ 2) 1.63E 02-- 8.14E 02	002.1	8.14E 02(1/ 1) 8.14E 02-- 8.14E 02	6.64E 02(1/ 1) 6.64E 02-- 6.64E 02	
	BALA-140	3	0.00	-2.81E-01(0/ 2) 0.00E-01-- 0.00E-01	002.1	3.15E 00(0/ 1) 0.00E-01-- 0.00E-01	-1.13E 01(0/ 1) 0.00E-01-- 0.00E-01	

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PICKENS COUNTY, SOUTH CAROLINA

DOCKET NUMBER 50-269,-270,-287
JANUARY 1,1980 - DECEMBER 31,1980

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN: NAME DIST/ DIRECTION	MEAN (F) RANGE	CONTROL LOCATIONS MEAN (F) RANGE 000.5 1.1 mi/SW	NO. OF NON-ROUTINE REPORT MEAS.
FISH							
PCI/KG (WET) 2 LOCATIONS							
	SR-89 11	40.00	< LLD (0/ 6)	< LLD		< LLD (0/ 5)	
	SR-90 11	8.00	2.37E 02(6/ 6)	013	2.37E 02(6/ 6)	2.84E 02(5/ 5)	
			1.20E 02-- 4.80E 02	7.8 mi/SSE	1.20E 02-- 4.80E 02	1.10E 02-- 4.20E 02	
	K-40 11	1200.00	2.43E 03(6/ 6)	013	2.43E 03(6/ 6)	2.58E 03(5/ 5)	
			1.93E 03-- 3.35E 03		1.93E 03-- 3.35E 03	2.00E 03-- 2.80E 03	
	MN-54 11	130.00	3.33E-01(0/ 6)	013	3.33E-01(0/ 6)	-1.26E 00(0/ 5)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	FE-59 11	260.00	-6.46E 00(0/ 6)	013	-6.46E 00(0/ 6)	-2.92E 00(0/ 5)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	CO-58 11	130.00	1.45E 01(1/ 6)	013	1.45E 01(1/ 6)	9.44E 00(0/ 5)	
			5.32E 01-- 5.32E 01		5.32E 01-- 5.32E 01	0.00E-01-- 0.00E-01	
	CO-60 11	130.00	1.90E 01(2/ 6)	013	1.90E 01(2/ 6)	1.35E 00(0/ 5)	
			3.40E 01-- 5.20E 01		3.40E 01-- 5.20E 01	0.00E-01-- 0.00E-01	
	ZN-65 11	260.00	-2.49E 00(0/ 6)	013	-2.49E 00(0/ 6)	3.92E 00(0/ 5)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
	ZRNB-95 11	0.00	7.78E 00(1/ 6)	013	7.78E 00(1/ 6)	-3.49E-01(0/ 5)	
			1.94E 01-- 1.94E 01		1.94E 01-- 1.94E 01	0.00E-01-- 0.00E-01	
	I-131 11	0.00	1.29E 01(0/ 6)	013	1.29E 01(0/ 6)	1.56E 01(1/ 5)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	8.78E 01-- 8.78E 01	
	CS-134 11	130.00	1.10E 02(5/ 6)	013	1.10E 02(5/ 6)	5.78E 00(0/ 5)	
			2.31E 01-- 3.48E 02		2.31E 01-- 3.48E 02	0.00E-01-- 0.00E-01	
	CS-137 11	130.00	3.99E 02(6/ 6)	013	3.99E 02(6/ 6)	5.37E 01(4/ 5)	1
			1.51E 02-- 9.90E 02		1.51E 02-- 9.90E 02	2.46E 01-- 1.37E 02	
	BALA-140 11	0.00	1.85E 00(0/ 6)	013	1.85E 00(0/ 6)	-2.41E 00(1/ 5)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	3.92E 01-- 3.92E 01	

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TLD'S MR/HOUR 26 LOCATIONS	MR/HOUR 101	0.00	1.62E-02(97/ 97) 5.00E-03-- 8.20E-02	000.17 site fence/W	5.75E-02(4/ 4) 4.60E-02-- 8.20E-02	1.15E-02(4/ 4) 1.00E-02-- 1.40E-02	

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TABLE 2

SEMI-ANNUAL CENSUS

OF MILCH ANIMALS

NAME	Distance/Direction From Station	June 24, 1980		December 29, 1980	
		Cows	Goats	Cows	Goats
I. C. Few	4 mi. ENE	2*	0	2*	0
R. Fowler	3.5 mi ENE	0	0	1*	0
T. I. Miller	4.5 mi E	1	0	1	0
W. Powell	4.5 mi W	80	0	78	0
A. Rampey	4.5 mi ESE	1*	0	1*	0
R. F. Steele, Jr.	3.5 mi NNE	2*	0	2*	0

*Unavailable for sampling.