

OCONEE NUCLEAR STATION
ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM
ANNUAL SUMMARY
January 1, 1979 - December 31, 1979

Environmental Radiological Monitoring Program - Annual Summary

Table 1 summarizes the environmental monitoring program for 1979. 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. A weekly air particulate sample at the 014 location was lost because the air sampler was not turned on. The January rain and settled dust sample at location 006 (control) was lost when freezing conditions damaged the sampling bucket. The July rain and settled dust sample at location 002 was also lost because the sampler was damaged. In April, a ground water sample at location 014 (control) was not taken because the pump used for collection at this location was out of order. Two environmental TLD samples were missing from their location at collection time, one at location 011 in the second quarter and one at location 000.10 in the fourth quarter.

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. Aquatic vegetation samples just below the discharge point (location 000.4) showed Mn-54, Co-58, Co-60, Cs-134, and Cs-137 at levels well above background as would be expected. Bottom sediment samples at location 000.4, and further downstream at 005.2, 006.2, and 000.7 showed the expected Co-58 and Cs-134/Cs-137. Fish samples at the 013 location showed detectable levels of Sr-90. Surface water at location 000.7 showed levels higher than background for gross beta, tritium, Co-58, Cs-134, Cs-137 and I-131. Lastly, the 000.17 and 000.18 TLD location on the restricted area fence near a borated water storage tank were higher than at other locations.

Wherever any of the above observed activities appropriately 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. None of these observed activities resulted in a significant environmental dose potential. Finally, trend analyses for the year showed no significant long-term positive trends in environmental media except perhaps in aquatic vegetation and sediment at the waste discharge point.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

PAGE 1 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	CONTROL LOCATIONS MEAN (F) RANGE	NO. OF NON- ROUTINE REPORT MEAS.
GROUND WATER						
PCI/LITER						
2 LOCATIONS						
ALPHA-T	7	0.50	2.59E-01(3/ 4)	015	2.59E-01(3/ 4)	5.84E 00(3/ 3)
BETA-T	7	1.00	3.15E-01-- 3.75E-01 1.51E 00(4/ 4)	2 MI/SSE 015	3.15E-01-- 3.75E-01 1.51E 00(4/ 4)	4.73E 00-- 7.55E 00 6.83E 00(3/ 3)
SR-89	7	10.00	1.30E 00-- 1.80E 00 < LLD (0/ 4)	< LLD	1.30E 00-- 1.80E 00 < LLD (0/ 3)	1.97E 00-- 1.51E 01 < LLD (0/ 3)
SR-90	7	2.00	< LLD (0/ 4)	< LLD	< LLD (0/ 3)	< LLD (0/ 3)
H-3	7	330.00	2.30E 02(4/ 4)	015	2.30E 02(4/ 4)	2.80E 02(3/ 3)
MN-54	7	15.00	1.10E 02-- 2.90E 02 1.86E 00(0/ 4)	015	1.10E 02-- 2.90E 02 1.86E 00(0/ 4)	1.00E 02-- 4.60E 02 1.17E 00(0/ 3)
FE-59	7	30.00	0.00E-01-- 0.00E-01 -5.49E-01(0/ 4)	015	0.00E-01-- 0.00E-01 -5.49E-01(0/ 4)	0.00E-01-- 0.00E-01 4.65E 00(0/ 3)
CO-58	7	15.00	0.00E-01-- 0.00E-01 -1.05E 00(0/ 4)	015	0.00E-01-- 0.00E-01 -1.05E 00(0/ 4)	0.00E-01-- 0.00E-01 2.42E 00(0/ 3)
CO-60	7	15.00	0.00E-01-- 0.00E-01 -3.85E-01(0/ 4)	015	0.00E-01-- 0.00E-01 -3.85E-01(0/ 4)	0.00E-01-- 0.00E-01 3.72E 00(0/ 3)
ZN-65	7	30.00	0.00E-01-- 0.00E-01 1.08E 00(0/ 4)	015	0.00E-01-- 0.00E-01 1.08E 00(0/ 4)	0.00E-01-- 0.00E-01 7.40E 00(0/ 3)
ZRNB-95	7	10.00	0.00E-01-- 0.00E-01 5.30E-01(0/ 4)	015	0.00E-01-- 0.00E-01 5.30E-01(0/ 4)	0.00E-01-- 0.00E-01 4.37E 00(0/ 3)
I-131	7	15.00	0.00E-01-- 0.00E-01 1.60E 00(0/ 4)	015	0.00E-01-- 0.00E-01 1.60E 00(0/ 4)	0.00E-01-- 0.00E-01 6.30E 00(0/ 3)
CS-134	7	15.00	0.00E-01-- 0.00E-01 -1.83E-01(0/ 4)	015	0.00E-01-- 0.00E-01 -1.83E-01(0/ 4)	0.00E-01-- 0.00E-01 1.52E 00(0/ 3)
CS-137	7	15.00	0.00E-01-- 0.00E-01 -3.12E-01(0/ 4)	015	0.00E-01-- 0.00E-01 -3.12E-01(0/ 4)	0.00E-01-- 0.00E-01 4.07E 00(0/ 3)
BALA-140	7	15.00	0.00E-01-- 0.00E-01 -1.46E 00(0/ 4)	015	0.00E-01-- 0.00E-01 -1.46E 00(0/ 4)	0.00E-01-- 0.00E-01 3.46E 00(0/ 3)
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	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

PAGE 2 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

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	NO. OF NON- ROUTINE REPORT MEAS.
DRINKING WATER							
PCI/LITER							
3 LOCATIONS							
	ALPHA-T	36	0.50	4.95E-02(4/ 24)	006.1 6.17E-02(2/ 12)	6.65E-02(2/ 12)	
	BETA-T	36	1.00	3.75E-01-- 6.76E-01 1.72E 00(24/ 24)	8.5MI/SSE 3.75E-01-- 6.55E-01 012 1.83E 00(12/ 12)	1.50E-01-- 4.63E-01 1.36E 00(11/ 12)	
	MN-54	36	15.00	8.77E-01-- 2.38E 00 9.53E-01(2/ 24)	19MI/SSE 8.77E-01-- 2.38E 00 006.1 1.24E 00(2/ 12)	7.59E-01-- 1.94E 00 9.79E-01(0/ 12)	
	FE-59	36	30.00	5.70E 00-- 6.51E 00 8.71E-01(0/ 24)	5.70E 00-- 6.51E 00 012 1.42E 00(0/ 12)	0.00E-01-- 0.00E-01 -4.60E-01(0/ 12)	
	CO-58	36	15.00	0.00E-01-- 0.00E-01 2.93E-01(0/ 24)	0.00E-01-- 0.00E-01 006.1 6.04E-01(0/ 12)	0.00E-01-- 0.00E-01 -2.18E-01(0/ 12)	
	CO-60	36	15.00	0.00E-01-- 0.00E-01 5.65E-01(1/ 24)	0.00E-01-- 0.00E-01 012 1.13E 00(1/ 12)	0.00E-01-- 0.00E-01 1.70E 00(2/ 12)	
	ZN-65	36	30.00	8.60E 00-- 8.60E 00 -1.16E 00(0/ 24)	8.60E 00-- 8.60E 00 012 6.35E-01(0/ 12)	7.55E 00-- 1.46E 01 1.77E 00(1/ 12)	
	ZRNB-95	36	10.00	0.00E-01-- 0.00E-01 1.35E 00(3/ 24)	0.00E-01-- 0.00E-01 012 1.64E 00(2/ 12)	3.11E 01-- 3.11E 01 5.79E-01(0/ 12)	
	I-131	36	15.00	5.61E 00-- 7.31E 00 6.45E-01(0/ 24)	5.61E 00-- 7.31E 00 006.1 6.28E-01(0/ 12)	0.00E-01-- 0.00E-01 3.83E 00(3/ 12)	
	CS-134	36	15.00	0.00E-01-- 0.00E-01 -1.66E-01(0/ 24)	0.00E-01-- 0.00E-01 006.1 -1.14E-01(0/ 12)	8.87E 00-- 1.19E 01 -2.79E-01(0/ 12)	
	CS-137	36	15.00	0.00E-01-- 0.00E-01 2.51E-01(0/ 24)	0.00E-01-- 0.00E-01 006.1 3.55E-01(0/ 12)	0.00E-01-- 0.00E-01 6.56E-01(0/ 12)	
	BALA-140	36	15.00	0.00E-01-- 0.00E-01 -3.40E-01(0/ 24)	0.00E-01-- 0.00E-01 006.1 3.73E-01(0/ 12)	0.00E-01-- 0.00E-01 5.56E-01(2/ 12)	
				0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	5.22E 00-- 6.42E 00	

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)

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	I	TYPE & TOTAL NO. OF ANALYSES PERFORMED	I	(LLD)	I	ALL INDICATOR LOCATIONS MEANS (F) RANGE	I	LOCATION W/ HIGHEST ANN. MEAN	I	CONTROL LOCATIONS MEAN (F) RANGE	I	NO. OF NON- ROUTINE REPORT MEAS.
DRINKING WATER	I	I	I	I	I	I	I	I	I	I	I	I
COMPOSITE	I	I	I	I	I	I	I	I	I	I	I	I
PCI/LITER	I	I	I	I	I	I	I	I	I	I	I	I
3 LOCATIONS	I	I	I	I	I	I	I	I	I	I	I	I
	I	SR-89	12	I	10.00	I	< LLD (0/ 8)	I	< LLD	I	< LLD (0/ 4)	I
	I		I	I	I	I	I	I	I	I	I	I
	I	SR-90	12	I	2.00	I	3.35E-01(2/ 8)	I	005.1 3.35E-01(2/ 4)	I	5.35E-01(2/ 4)	I
	I		I	I	I	I	3.10E-01-- 3.60E-01	I	8.5MI/SSE 3.10E-01-- 3.60E-01	I	5.10E-01-- 5.60E-01	I
	I	H-3	12	I	330.00	I	4.80E 02(8/ 8)	I	006.1 5.70E 02(4/ 4)	I	2.35E 02(4/ 4)	I
	I		I	I	I	I	2.70E 02-- 7.60E 02	I	4.00E 02-- 7.60E 02	I	1.30E 02-- 3.70E 02	I

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)

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	CONTROL LOCATIONS MEAN (F) RANGE	NO. OF NON- ROUTINE REPORT MEAS.
RAW WATER						
PCI/LITER 3 LOCATIONS						
ALPHA-D	36	0.50	1.83E-01(5/ 24)	006.1	2.00E-01(3/ 12)	5.95E-02(1/ 12)
ALPHA-S	36	0.50	3.00E-01-- 7.37E-01 3.89E-01(6/ 24)	8.5MI/SSE 012	3.60E-01-- 7.37E-01 4.63E-01(3/ 12)	3.00E-01-- 3.00E-01 -1.05E-01(1/ 12)
BETA-D	35	1.00	3.28E-01-- 4.14E 00 1.88E 00(24/ 24)	19MI/SSE 012	3.30E-01-- 4.14E 00 2.03E 00(12/ 12)	3.60E-01-- 3.60E-01 1.83E 00(12/ 12)
BETA-S	36	1.00	8.06E-01-- 3.00E 00 7.06E-01(10/ 24)	012	1.15E 00-- 3.00E 00 1.10E 00(5/ 12)	1.21E 00-- 2.92E 00 1.83E-01(2/ 12)
I-131/LL	36	1.50	4.63E-01-- 9.88E 00 2.19E-02(1/ 24)	012	4.63E-01-- 9.88E 00 3.80E-02(1/ 12)	5.60E-01-- 1.10E 00 1.01E-01(5/ 12)
MN-54	36	15.00	1.43E-01-- 1.43E-01 8.08E-01(1/ 24)	006.1	1.43E-01-- 1.43E-01 1.35E 00(0/ 12)	1.41E-01-- 3.56E-01 1.40E 00(1/ 12)
FE-59	36	30.00	4.98E 00-- 4.98E 00 9.73E-01(1/ 24)	006.1	0.00E-01-- 0.00E-01 2.85E 00(1/ 12)	5.30E 00-- 5.30E 00 -6.98E-01(0/ 12)
CO-58	36	15.00	1.21E 01-- 1.21E 01 7.35E-01(1/ 24)	012	1.21E 01-- 1.21E 01 1.23E 00(1/ 12)	0.00E-01-- 0.00E-01 2.00E-01(0/ 12)
CO-60	36	15.00	6.87E 00-- 6.87E 00 1.64E 00(3/ 24)	006.1	6.87E 00-- 6.87E 00 1.73E 00(2/ 12)	0.00E-01-- 0.00E-01 5.22E-01(2/ 12)
ZN-65	36	30.00	5.05E 00-- 6.37E 00 -2.15E 00(0/ 24)	012	5.05E 00-- 5.92E 00 -1.70E 00(0/ 12)	6.04E 00-- 8.30E 00 1.19E 00(0/ 12)
ZRNB-95	36	10.00	0.00E-01-- 0.00E-01 7.18E-01(2/ 24)	012	0.00E-01-- 0.00E-01 7.82E-01(1/ 12)	0.00E-01-- 0.00E-01 4.62E-01(0/ 12)
I-131	36	15.00	5.05E 00-- 9.21E 00 1.05E 00(0/ 24)	012	9.21E 00-- 9.21E 00 1.12E 00(0/ 12)	0.00E-01-- 0.00E-01 1.90E 00(1/ 12)
CS-134	36	15.00	0.00E-01-- 0.00E-01 -4.37E-01(0/ 24)	012	0.00E-01-- 0.00E-01 -2.39E-01(0/ 12)	0.21E 00-- 0.21E 00 -2.61E-01(0/ 12)
CS-137	36	15.00	0.00E-01-- 0.00E-01 5.38E-01(0/ 24)	006.1	0.00E-01-- 0.00E-01 1.58E 00(0/ 12)	0.00E-01-- 0.00E-01 3.98E-02(0/ 12)
BALA-140	36	15.00	0.00E-01-- 0.00E-01 -4.45E-01(1/ 24)	012	0.00E-01-- 0.00E-01 -3.66E-01(0/ 12)	0.00E-01-- 0.00E-01 1.61E-01(0/ 12)
			5.33E 00-- 5.33E 00		0.00E-01-- 0.00E-01	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)

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	CONTROL LOCATIONS MEAN (F) RANGE	NO. OF NON- ROUTINE REPORT MEAS.
RAW WATER						
COMPOSITE						
PCI/LITER						
3 LOCATIONS						
SR-89	12	10.00	< LLD (0/ 8)	< LLD	< LLD (0/ 4)	
SR-90	12	2.00	7.50E-01(1/ 8)	012 7.50E-01(1/ 4)	< LLD (0/ 4)	
H-3	12	330.00	7.50E-01-- 7.50E-01	19MI/SSE 7.50E-01-- 7.50E-01		
			5.05E 02(0/ 8)	006.1 5.95E 02(4/ 4)	2.43E 02(4/ 4)	
			2.16E 02-- 8.70E 02	8.5MI/SSE 2.80E 02-- 8.70E 02	1.40E 02-- 3.00E 02	

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

PAGE 6 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

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	NO. OF NON- ROUTINE REPORT MEAS.
SURFACE WATER							
PCI/LITER							
6 LOCATIONS							
ALPHA-D	75	0.50	1.07E-01(11/ 63)	000.7	1.78E-01(5/ 15)	2.59E-01(4/ 12)	
ALPHA-S	75	0.50	2.21E-01-- 6.55E-01 6.80E-02(10/ 63)	0.9MI/SSE 000.6	2.21E-01-- 6.01E-01 2.04E-01(3/ 12)	3.28E-01-- 5.15E-01 1.38E-01(3/ 12)	
BETA-D	75	1.00	2.78E-01-- 8.01E-01 2.65E 00(63/ 63)	0.2MI/MNE 000.7	4.50E-01-- 8.01E-01 5.98E 00(15/ 15)	4.10E-01-- 6.20E-01 1.54E 00(12/ 12)	
BETA-S	75	1.00	7.16E-01-- 2.51E 01 1.46E-01(10/ 63)	000.7	2.15E 00-- 2.51E 01 4.22E-01(4/ 15)	9.39E-01-- 2.25E 00 3.05E-02(0/ 12)	
MN-54	76	15.00	4.63E-01-- 3.01E 00 1.09E 00(1/ 64)	000.5	8.51E-01-- 3.01E 00 1.37E 00(1/ 12)	0.00E-01-- 0.00E-01 1.31E 00(0/ 12)	
FE-59	76	30.00	5.90E 00-- 5.90E 00 1.41E 00(2/ 64)	1.1MI/SW 005.2	5.90E 00-- 5.90E 00 3.71E 00(1/ 12)	0.00E-01-- 0.00E-01 -6.98E-01(0/ 12)	
CO-58	76	15.00	1.51E 01-- 1.91E 01 5.13E-01(2/ 64)	4.5MI/SSE 000.7	1.91E 01-- 1.91E 01 1.33E 00(2/ 16)	0.00E-01-- 0.00E-01 -7.98E-03(0/ 12)	
CO-60	76	15.00	5.88E 00-- 8.15E 00 9.01E-01(4/ 64)	013	5.88E 00-- 8.15E 00 2.60E 00(3/ 12)	0.00E-01-- 0.00E-01 2.37E 00(3/ 12)	
ZN-65	76	30.00	4.34E 00-- 6.64E 00 -6.67E-01(0/ 64)	7.8MI/SSE 000.5	4.34E 00-- 5.59E 00 3.24E-01(0/ 12)	6.44E 00-- 7.24E 00 -5.64E-01(0/ 12)	
ZRNB-95	76	10.00	0.00E-01-- 0.00E-01 8.60E-01(5/ 64)	000.6	0.00E-01-- 0.00E-01 1.78E 00(2/ 12)	0.00E-01-- 0.00E-01 7.26E-01(1/ 12)	
I-131	76	15.00	4.71E 00-- 7.71E 00 9.14E-01(4/ 64)	000.7	4.71E 00-- 5.17E 00 2.03E 00(1/ 16)	8.16E 00-- 8.16E 00 6.42E-01(0/ 12)	
CS-134	76	15.00	8.84E 00-- 1.16E 01 -2.88E-02(1/ 64)	000.7	1.16E 01-- 1.16E 01 2.92E-01(1/ 16)	0.00E-01-- 0.00E-01 -5.22E-01(0/ 12)	
CS-137	76	15.00	5.19E 00-- 5.19E 00 1.34E 00(6/ 64)	000.7	5.19E 00-- 5.19E 00 2.82E 00(3/ 16)	0.00E-01-- 0.00E-01 3.38E-01(0/ 12)	
BALA-140	76	15.00	6.47E 00-- 1.59E 01 -3.49E-01(0/ 64)	000.6	6.47E 00-- 1.59E 01 2.26E-02(0/ 12)	0.00E-01-- 0.00E-01 4.12E-01(1/ 12)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	7.45E 00-- 7.45E 00	

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)

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	I	TYPE & TOTAL NO. OF ANALYSES PERFORMED	I	(LLD)	I	ALL INDICATOR LOCATIONS MEANS (F) RANGE	I	LOCATION W/ HIGHEST ANN. MEAN	I	CONTROL LOCATIONS MEAN (F) RANGE	I	NO. OF NON- ROUTINE REPORT MEAS.
	I		I		I		I		I		I	
	I		I		I		I		I		I	
	I		I		I		I		I		I	
	I		I		I		I		I		I	
SURFACE WATER	I		I		I		I		I		I	
COMPOSITE	I		I		I		I		I		I	
PCI/LITER	I		I		I		I		I		I	
6 LOCATIONS	I		I		I		I		I		I	
	I	SR-89	26	I	10.00	I	< LLD (0/ 22)	I	< LLD	I	< LLD (0/ 4)	I
	I			I		I		I		I		I
	I	SR-90	26	I	2.00	I	6.75E-01(2/ 22)	I	005.2 9.80E-01(1/ 4)	I	< LLD (0/ 4)	I
	I			I		I	3.70E-01-- 9.80E-01	I	4.5MI/SSE 9.80E-01-- 9.80E-01	I		I
	I	H-3	26	I	330.00	I	1.59E 03(22/ 22)	I	000.7 4.67E 03(6/ 6)	I	2.37E 02(3/ 4)	I
	I			I		I	1.00E 02-- 7.92E 03	I	0.9MI/SSE 2.50E 02-- 7.92E 03	I	2.10E 02-- 2.70E 02	I

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)

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

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	NO. OF NON- ROUTINE REPORT MEAS.
RAIN & SETTLED DUST PCI/SQ.METER 6 LOCATIONS							
ALPHA-T	69	0.00	1.18E 02(56/ 58)	000.1	1.44E 02(12/ 12)	1.17E 02(11/ 11)	
BETA-T	69	0.00	6.41E 00-- 5.81E 02	0.5MI/S	6.41E 00-- 5.81E 02	1.59E 01-- 3.19E 02	
MN-54	69	0.00	1.14E 03(57/ 58)	0.3MI/N	1.21E 03(11/ 11)	1.19E 03(11/ 11)	
FE-59	69	0.00	1.34E 02-- 2.56E 03	010	3.94E 02-- 2.46E 03	1.30E 02-- 2.70E 03	
CO-58	69	0.00	1.21E 02(2/ 58)	12MI/ENE	3.51E 02(0/ 12)	-7.84E 01(0/ 11)	
CO-60	69	0.00	1.23E 03-- 1.28E 03	000.1	0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
ZN-65	69	0.00	-1.80E 01(1/ 58)	000.2	1.54E 02(0/ 12)	-4.59E 02(0/ 11)	
ZRNB-95	69	0.00	2.62E 03-- 2.62E 03	0.7MI/SSW	0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
I-131	69	0.00	1.77E 01(2/ 58)	000	7.84E 01(0/ 12)	4.76E 01(1/ 11)	
CS-134	69	0.00	1.05E 03-- 1.73E 03	000	0.00E-01-- 0.00E-01	1.43E 03-- 1.43E 03	
CS-137	69	0.00	2.10E 02(6/ 58)	000	3.67E 02(2/ 11)	3.25E 02(1/ 11)	
BALA-140	69	0.00	8.75E 02-- 1.40E 03	000	8.75E 02-- 1.30E 03	1.81E 03-- 1.81E 03	
			-8.26E 00(0/ 58)	000	4.28E 02(0/ 11)	-1.07E 02(0/ 11)	
			0.00E-01-- 0.00E-01	010	0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
			2.39E 02(3/ 58)	000.2	3.97E 02(0/ 12)	2.57E 02(0/ 11)	
			8.03E 02-- 1.31E 03		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
			2.23E 02(1/ 58)		3.15E 02(0/ 12)	-4.31E 01(0/ 11)	
			1.55E 03-- 1.55E 03		0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	
			-3.17E 00(1/ 58)		7.60E 01(1/ 11)	-5.97E 01(0/ 11)	
			2.31E 03-- 2.31E 03		2.31E 03-- 2.31E 03	0.00E-01-- 0.00E-01	
			2.35E 02(4/ 58)		4.13E 02(0/ 12)	6.03E 02(2/ 11)	
			9.31E 01-- 2.44E 03		0.00E-01-- 0.00E-01	9.76E 02-- 1.24E 03	
			-1.83E 01(0/ 58)		1.64E 02(0/ 12)	6.55E 00(1/ 11)	
			0.00E-01-- 0.00E-01		0.00E-01-- 0.00E-01	7.78E 02-- 7.78E 02	

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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

PAGE 9 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-259,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	CONTROL LOCATIONS MEAN (F) RANGE	NO. OF NON- ROUTINE REPORT MEAS.	
AIR FILTERS							
PCI/CU.METER 4 LOCATIONS							
ALPHA-T	207	0.00	2.44E-03(154/ 155)	014	2.92E-03(51/ 51)	1.54E-03(50/ 52)	1
BETA-T	207	0.01	4.51E-04-- 6.44E-03	2.0MI/SW	5.61E-04-- 6.44E-03	4.60E-04-- 4.51E-03	
			3.42E-02(155/ 155)	014	3.93E-02(51/ 51)	1.92E-02(52/ 52)	
MN-54	207	0.00	6.95E-03-- 7.58E-02		6.95E-03-- 7.28E-02	7.31E-03-- 6.10E-02	
			4.85E-04(10/ 155)	014	5.52E-04(4/ 51)	1.92E-04(2/ 52)	
			2.10E-03-- 8.71E-03		4.24E-03-- 8.71E-03	1.78E-03-- 2.16E-03	
FE-59	207	0.00	1.34E-03(13/ 155)	000	1.85E-03(4/ 52)	1.17E-03(3/ 52)	
			4.88E-03-- 1.74E-02	0.3MI/N	5.91E-03-- 1.45E-02	7.56E-03-- 1.56E-02	
CO-58	207	0.00	3.44E-04(7/ 155)	009	5.56E-04(4/ 52)	1.50E-04(3/ 52)	
			2.24E-03-- 9.67E-03	4.5MI/E	2.24E-03-- 9.67E-03	-2.00E-04-- 2.34E-03	
CO-60	207	0.00	5.26E-04(11/ 155)	009	7.22E-04(7/ 52)	5.48E-04(3/ 52)	
			1.82E-03-- 7.03E-03		1.82E-03-- 7.03E-03	1.97E-03-- 4.71E-03	
ZN-65	207	0.00	-6.40E-04(2/ 155)	000	-4.05E-04(0/ 52)	-1.28E-04(1/ 52)	
			6.33E-03-- 6.94E-03		0.00E-01-- 0.00E-01	8.01E-03-- 8.01E-03	
ZRNB-95	207	0.00	5.11E-04(6/ 155)	000	7.57E-04(2/ 52)	6.26E-04(4/ 52)	
			1.86E-03-- 3.36E-02		3.11E-03-- 3.36E-02	1.93E-03-- 4.18E-03	
I-131	207	0.07	3.34E-03(34/ 155)	000	7.54E-03(24/ 52)	4.75E-04(2/ 52)	2
			3.01E-03-- 7.52E-02		3.01E-03-- 7.52E-02	2.17E-03-- 2.42E-03	
CS-134	207	0.01	1.29E-04(3/ 155)	009	5.66E-04(3/ 52)	-6.64E-05(1/ 52)	1
			5.03E-03-- 1.77E-02		5.03E-03-- 1.77E-02	3.04E-03-- 3.04E-03	
CS-137	207	0.01	4.31E-03(75/ 155)	009	5.69E-03(28/ 52)	2.27E-03(20/ 52)	2
			2.56E-03-- 4.52E-02		3.19E-03-- 4.52E-02	2.03E-03-- 7.44E-03	
BALA-140	207	0.00	6.94E-06(6/ 155)	014	1.56E-04(4/ 51)	1.10E-04(2/ 52)	
			3.56E-03-- 7.97E-03		3.70E-03-- 7.97E-03	2.65E-03-- 3.25E-03	

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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

PAGE 10 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	I I I I I	TYPE & TOTAL NO. OF ANALYSES PERFORMED	I I I I I	(LLD)	I I I I I	ALL INDICATOR LOCATIONS MEANS (F) RANGE	I I I I I	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	I I I I I	CONTROL LOCATIONS MEAN (F) RANGE	I I I I I	NO. OF NON- ROUTINE REPORT MEAS.
AIR FILTER	I		I		I		I		I		I	
COMPOSITES	I		I		I		I		I		I	
PCI/CU.METER	I		I		I		I		I		I	
4 LOCATIONS	I		I		I		I		I		I	
	I	SR-89	47	I	0.00	I	< LLD (0/ 35)	I	< LLD	I	< LLD (0/ 12)	I
	I			I		I		I		I		I
	I	SR-90	47	I	0.00	I	2.32E-03(35/ 35)	I	000 2.80E-03(12/ 12)	I	1.95E-03(12/ 12)	I
	I			I		I	1.10E-04-- 2.70E-02	I	0.3MI/N 2.00E-04-- 2.70E-02	I	1.30E-04-- 1.90E-02	I

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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	TYPE & TOTAL NO. OF ANALYSES PERFORMED	(LLD)	ALL INDICATOR LOCATIONS MEANS (F) RANGE	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	CONTROL LOCATIONS MEAN (F) RANGE	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	1.40E 01(1/ 4)	005.2 1.40E 01(1/ 2)	9.95E 00(2/ 2)	
K-40	6	400.00	1.40E 01-- 1.40E 01 3.41E 03(4/ 4)	4.5MI/SSE 1.40E 01-- 1.40E 01 000.4 5.39E 03(2/ 2)	4.90E 00-- 1.50E 01 2.08E 02(1/ 2)	
MN-54	6	0.00	9.03E 02-- 9.27E 03 1.51E 03(3/ 4)	0.7MI/ENE 1.50E 03-- 9.27E 03 000.4 2.95E 03(2/ 2)	8.50E 02-- 8.50E 02 3.54E 01(1/ 2)	1
FE-59	6	0.00	7.23E 01-- 5.15E 03 9.23E 01(0/ 4)	000.4 7.53E 02-- 5.15E 03 000.4 1.64E 02(0/ 2)	6.37E 01-- 6.37E 01 -3.39E 01(0/ 2)	
CO-58	6	0.00	0.00E-01-- 0.00E-01 7.03E 04(4/ 4)	000.4 0.00E-01-- 0.00E-01 000.4 1.40E 05(2/ 2)	0.00E-01-- 0.00E-01 2.27E 02(1/ 2)	2
CO-60	6	0.00	5.49E 02-- 2.70E 05 1.77E 04(4/ 4)	000.4 1.05E 04-- 2.70E 05 000.4 3.49E 04(2/ 2)	4.58E 02-- 4.58E 02 2.21E 01(0/ 2)	2
ZN-65	6	0.00	2.76E 02-- 6.20E 04 7.40E 01(0/ 4)	000.4 7.82E 03-- 6.20E 04 000.4 1.48E 02(0/ 2)	0.00E-01-- 0.00E-01 4.24E 01(0/ 2)	
ZRNB-95	6	0.00	0.00E-01-- 0.00E-01 5.03E 02(2/ 4)	000.4 0.00E-01-- 0.00E-01 000.4 1.00E 03(2/ 2)	0.00E-01-- 0.00E-01 3.01E 01(0/ 2)	
I-131	6	80.00	2.48E 02-- 1.76E 03 2.21E 02(1/ 4)	000.4 2.48E 02-- 1.76E 03 000.4 4.27E 02(1/ 2)	0.00E-01-- 0.00E-01 -8.61E 00(0/ 2)	
CS-134	6	100.00	7.56E 02-- 7.56E 02 3.58E 03(3/ 4)	000.4 7.56E 02-- 7.56E 02 000.4 6.84E 03(2/ 2)	0.00E-01-- 0.00E-01 0.00E-01(0/ 2)	3
CS-137	6	100.00	6.26E 02-- 8.13E 03 7.79E 03(4/ 4)	000.4 5.54E 03-- 8.13E 03 000.4 1.45E 04(2/ 2)	0.00E-01-- 0.00E-01 5.97E 01(1/ 2)	3
BALA-140	6	0.00	4.40E 02-- 1.52E 04 1.54E 02(1/ 4)	000.4 1.30E 04-- 1.52E 04 000.4 3.11E 02(1/ 2)	1.08E 02-- 1.08E 02 1.73E 01(0/ 2)	
			6.31E 02-- 6.31E 02	000.4 6.31E 02-- 6.31E 02	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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

PAGE 12 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

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	NO. OF NON- ROUTINE REPORT MEAS.
BROAD-LEAF VEGETATION PCI/KG (WET) 4 LOCATIONS							
K-40	18	400.00	4.40E 03(13/ 13)	015	4.66E 03(4/ 4)	3.20E 03(5/ 5)	
MN-54	18	0.00	2.19E 03-- 6.35E 03 1.13E 01(2/ 13)	2.0MI/SSE 015	4.06E 03-- 5.50E 03 1.54E 01(0/ 4)	1.26E 03-- 5.11E 03 1.26E 01(1/ 5)	
FE-59	18	0.00	2.10E 01-- 2.22E 01 6.36E 00(0/ 13)	002.1 000	0.00E-01-- 0.00E-01 1.62E 01(0/ 5)	4.41E 01-- 4.41E 01 2.83E 00(0/ 5)	
CO-58	18	0.00	0.00E-01-- 0.00E-01 -2.28E 00(0/ 13)	4.5MI/W 000	0.00E-01-- 0.00E-01 7.22E 00(0/ 4)	0.00E-01-- 0.00E-01 -3.57E 00(0/ 5)	
CO-60	18	0.00	0.00E-01-- 0.00E-01 1.25E 01(4/ 13)	0.3MI/N 015	0.00E-01-- 0.00E-01 1.87E 01(1/ 4)	0.00E-01-- 0.00E-01 3.17E 00(1/ 5)	
ZN-65	18	0.00	1.40E 01-- 5.58E 01 3.10E 00(0/ 13)	015	5.50E 01-- 5.58E 01 1.36E 01(0/ 4)	1.34E 01-- 1.34E 01 2.48E 00(0/ 5)	
ZRNB-95	18	0.00	0.00E-01-- 0.00E-01 9.30E 00(1/ 13)	000	0.00E-01-- 0.00E-01 2.01E 01(1/ 4)	0.00E-01-- 0.00E-01 1.10E 00(0/ 5)	
I-131	18	80.00	4.80E 01-- 4.80E 01 5.54E 00(1/ 13)	000	4.80E 01-- 4.80E 01 2.45E 01(1/ 4)	0.00E-01-- 0.00E-01 1.42E 00(0/ 5)	
CS-134	18	100.00	8.20E 01-- 8.20E 01 -1.25E 00(0/ 13)	002.1	8.20E 01-- 8.20E 01 -7.91E-01(0/ 5)	0.00E-01-- 0.00E-01 -3.64E 00(0/ 5)	
CS-137	18	100.00	0.00E-01-- 0.00E-01 2.62E 01(6/ 13)	015	0.00E-01-- 0.00E-01 5.04E 01(3/ 4)	0.00E-01-- 0.00E-01 2.96E 01(2/ 5)	
BALA-140	18	0.00	1.93E 01-- 1.10E 02 3.90E 00(2/ 13)	015	2.51E 01-- 1.10E 02 1.14E 01(0/ 4)	3.84E 01-- 4.57E 01 -6.39E 00(0/ 5)	
			3.31E 01-- 4.52E 01		0.00E-01-- 0.00E-01	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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

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	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	7.25E 01(2/ 10)	000.6 8.80E 01(1/ 2)	< LLD (0/ 2)		
MN-54	12	0.00	5.70E 01-- 8.80E 01	0.2MI/NNE 8.80E 01-- 8.80E 01			
FE-59	12	0.00	7.98E 01(4/ 10)	005.2 2.20E 02(1/ 2)	5.51E 00(0/ 2)		
CO-55	12	0.00	3.53E 01-- 3.93E 02	4.5MI/SSE 3.93E 02-- 3.93E 02	0.00E-01-- 0.00E-01		
CO-60	12	0.00	1.12E 01(0/ 10)	006.2 2.73E 01(0/ 2)	-1.16E 01(0/ 2)		
ZN-65	12	0.00	0.00E-01-- 0.00E-01	8.0MI/SSE 0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01		
ZRNB-95	12	0.00	6.41E 02(6/ 10)	005.2 1.70E 03(2/ 2)	4.93E 00(0/ 2)		2
I-131	12	0.00	1.49E 02-- 3.17E 03	2.28E 02-- 3.17E 03	0.00E-01-- 0.00E-01		
CS-134	12	150.00	5.38E 02(6/ 10)	005.2 1.97E 03(2/ 2)	-4.36E 00(0/ 2)		2
CS-137	12	150.00	7.99E 01-- 3.84E 03	1.07E 02-- 3.84E 03	0.00E-01-- 0.00E-01		
BALA-140	12	0.00	-3.89E 00(0/ 10)	005.2 1.46E 01(0/ 2)	4.86E 00(0/ 2)		
			0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01		
			2.33E 01(1/ 10)	005.2 7.94E 01(1/ 2)	6.98E 00(0/ 2)		
			1.20E 02-- 1.20E 02	1.20E 02-- 1.20E 02	0.00E-01-- 0.00E-01		
			4.64E 01(2/ 10)	005.2 1.54E 02(1/ 2)	-7.75E 00(0/ 2)		
			1.26E 02-- 3.32E 02	3.32E 02-- 3.32E 02	0.00E-01-- 0.00E-01		
			1.65E 03(7/ 10)	000.4 4.40E 03(2/ 2)	-1.51E 00(0/ 2)		4
			2.12E 02-- 6.06E 03	0.7MI/ENE 4.41E 03-- 4.55E 03	0.00E-01-- 0.00E-01		
			4.45E 03(10/ 10)	000.4 1.18E 04(2/ 2)	4.75E 01(1/ 2)		4
			9.34E 01-- 1.60E 04	1.12E 04-- 1.24E 04	8.87E 01-- 8.87E 01		
			1.37E 01(0/ 10)	005.2 2.20E 01(0/ 2)	1.57E 01(0/ 2)		
			0.00E-01-- 0.00E-01	0.00E-01-- 0.00E-01	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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

PAGE 14 OF 16

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269, -270, -287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	I I I I I	TYPE & TOTAL NO. OF ANALYSES PERFORMED	I I I I I	(LLD)	I I I I I	ALL INDICATOR LOCATIONS MEANS (F) RANGE	I I I I I	LOCATION W/ HIGHEST ANN. MEAN NAME DIST/ DIRECTION	I I I I I	CONTROL LOCATIONS MEAN (F) RANGE	I I I I I	NO. OF NON- ROUTINE REPORT MEAS.
FISH	I		I		I		I		I		I	
PCI/KG (WET)	I		I		I		I		I		I	
2 LOCATIONS	I		I		I		I		I		I	
	I	SR-89	I	12	I	40.00	I	< LLD (0/ 6)	I	< LLD (0/ 6)	I	
	I		I		I		I		I		I	
	I	SR-90	I	12	I	8.00	I	7.48E 02(6/ 6)	I	013 7.48E 02(6/ 6)	I	1
	I		I		I		I	1.90E 02-- 2.50E 03	I	7.8MI/SSE 1.90E 02-- 2.50E 03	I	
	I	K-40	I	12	I	1200.00	I	2.17E 03(6/ 6)	I	013 2.17E 03(6/ 6)	I	
	I		I		I		I	1.45E 03-- 2.53E 03	I	1.41E 03-- 3.55E 03	I	
	I	MN-54	I	12	I	130.00	I	-2.02E 00(0/ 6)	I	013 -2.02E 00(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	1.20E 01-- 7.14E 01	I	
	I	FE-59	I	12	I	260.00	I	2.81E 00(0/ 6)	I	013 2.81E 00(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	-1.01E 01(0/ 6)	I	
	I	CO-58	I	12	I	130.00	I	1.91E 00(1/ 6)	I	013 1.91E 00(1/ 6)	I	
	I		I		I		I	2.00E 01-- 2.00E 01	I	0.00E-01-- 0.00E-01	I	
	I	CO-60	I	12	I	130.00	I	1.56E 01(4/ 6)	I	013 1.56E 01(4/ 6)	I	
	I		I		I		I	1.90E 01-- 2.88E 01	I	3.51E 01-- 1.05E 02	I	
	I	ZN-65	I	12	I	260.00	I	-2.18E 00(0/ 6)	I	013 -2.18E 00(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	0.00E-01-- 0.00E-01	I	
	I	ZRNB-95	I	12	I	0.00	I	9.63E 00(0/ 6)	I	013 9.63E 00(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	0.00E-01-- 0.00E-01	I	
	I	I-131	I	12	I	0.00	I	1.72E 01(0/ 6)	I	013 1.72E 01(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	0.00E-01-- 0.00E-01	I	
	I	CS-134	I	12	I	130.00	I	9.26E 01(5/ 6)	I	013 9.26E 01(5/ 6)	I	
	I		I		I		I	6.32E 01-- 2.15E 02	I	0.00E-01-- 0.00E-01	I	
	I	CS-137	I	12	I	130.00	I	3.88E 02(6/ 6)	I	013 3.88E 02(6/ 6)	I	
	I		I		I		I	2.39E 02-- 7.05E 02	I	4.52E 01(4/ 6)	I	
	I	BALA-140	I	12	I	0.00	I	-3.06E 00(0/ 6)	I	013 -3.06E 00(0/ 6)	I	
	I		I		I		I	0.00E-01-- 0.00E-01	I	-4.58E 00(0/ 6)	I	
										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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

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)
0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

OCONEE NUCLEAR STATION
OCONEE COUNTY, SOUTH CAROLINA

DOCKET NOS. 50-269,-270,-287
JANUARY 1, 1979 - DECEMBER 31, 1979

MEDIUM SAMPLED UNITS	I I I I I	TYPE & TOTAL NO. OF ANALYSES PERFORMED	I I I I I	(LLD)	I I I I I	ALL INDICATOR LOCATIONS MEANS (F) RANGE	I I I I I	LOCATION W/ HIGHEST ANN. MEAN ----- NAME DIST/ DIRECTION	I I I I I	CONTROL LOCATIONS MEAN (F) RANGE	I I I I I	NO. OF NON- ROUTINE REPORT MEAS.		
ENVIRONMENTAL TLD'S MR/HOUR 26 LOCATIONS	I I I I I I I I		I I I I I I I I		I I I I I I I I		I I I I I I I I		I I I I I I I I		I I I I I I I I			
		MR/HOUR	98	I	0.00	I	1.83E-02(94/ 94)	I	000.17	9.70E-02(4/ 4)	I	1.48E-02(4/ 4)	I	2
				I		I	5.00E-03-- 1.89E-01	I		4.70E-02-- 1.89E-01	I	1.10E-02-- 2.60E-02	I	

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)

0.00 LLD MEANS THAT THERE ARE NO TECH. SPEC. REQUIREMENTS FOR THESE SAMPLES.

TABLE 2
SEMI-ANNUAL CENSUS
OF MILCH ANIMALS

<u>Name</u>	<u>Distance/Direction From Station</u>	<u>January-June 1978</u>		<u>July-December 1978</u>	
		<u>Cows</u>	<u>Goats</u>	<u>Cows</u>	<u>Goats</u>
Few	4 mi. ENE	1*	0	1	0
Hale	4.5 mi. E	0	1*	0	0
Rampey	4.5 mi. ESE	1*	0	1	0
Holder	3 mi. SE	1*	0	0	0
Powell	4.5 mi. W	55	0	55	0
Kelly	4 mi. W	1*	0	1	0
Miller	3 mi. E	1	0	1	0

*Unavailable for sampling