

OCONEE NUCLEAR STATION

1997 RADIOACTIVE LIQUID EFFLUENT RELEASES

I. LIQUID RELEASES

	UNITS	1ST QTR	2ND QTR	3RD QTR	4TH QTR	TOTAL	
1. GROSS RADIOACTIVITY							
A. TOTAL RELEASE	CURIES	4.43E-02	8.97E-02	8.54E-02	1.21E-01	3.41E-01	
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	1.42E-10	3.61E-10	1.04E-09	9.52E-10	4.42E-10	
C. MAXIMUM CONCENTRATION RELEASED	UCI/ML	1.56E-08	2.53E-08	7.98E-09	1.54E-08	2.53E-08	
2. TRITIUM							
A. TOTAL RELEASE	CURIES	6.33E+01	1.90E+02	1.67E+02	1.97E+02	6.18E+02	
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	2.03E-07	7.64E-07	2.04E-06	1.55E-06	8.02E-07	
3. DISSOLVED NOBLE GASES							
A. TOTAL RELEASE	CURIES	0.00E+00	5.69E-04	1.77E-04	5.12E-04	1.26E-03	
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	0.00E+00	2.29E-12	2.15E-12	4.01E-12	1.63E-12	
4. GROSS ALPHA ACTIVITY							
A. TOTAL RELEASE	CURIES	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5. VOLUME OF LIQUID WASTE TO DISCHARGE CANAL	LITERS	5.32E+08	4.72E+08	3.53E+08	6.07E+08	1.96E+09	
6. VOLUME OF DILUTION WATER	LITERS	3.12E+11	2.49E+11	8.21E+10	1.28E+11	7.71E+11	
7. RADIONUCLIDES RELEASED	CURIES						
							10CFR20 EC RATIO
H-3		6.33E+01	1.90E+02	1.67E+02	1.97E+02	6.18E+02	8.02E-04
NA-24		0.00E+00	8.37E-06	0.00E+00	0.00E+00	8.37E-06	2.17E-10
CR-51		2.10E-04	9.95E-04	1.37E-03	8.81E-04	3.45E-03	8.96E-09
MN-54		2.99E-05	6.77E-05	0.00E+00	4.52E-06	1.02E-04	4.42E-09
CO-57		1.22E-05	1.71E-05	0.00E+00	0.00E+00	2.93E-05	6.34E-10
CO-58		3.32E-03	4.06E-03	3.92E-03	9.62E-03	2.09E-02	1.36E-06
CO-60		2.38E-03	2.26E-03	9.51E-04	1.49E-03	7.08E-03	3.06E-06
NB-95		7.34E-04	4.73E-04	1.96E-04	1.64E-04	1.57E-03	6.78E-08
ZR-95		4.52E-04	1.73E-04	4.60E-05	1.39E-04	8.11E-04	5.26E-08
RU-103		1.18E-05	0.00E+00	0.00E+00	1.47E-04	1.58E-04	6.85E-09
RU-106		6.02E-04	6.98E-04	1.81E-04	1.30E-04	1.61E-03	6.97E-07
AG-110M		4.78E-03	8.90E-03	8.54E-03	1.27E-02	3.50E-02	7.56E-06
I-131		3.86E-06	1.16E-05	1.23E-05	0.00E+00	2.78E-05	3.60E-08
SB-124		3.35E-04	2.57E-03	1.81E-03	2.21E-03	6.92E-03	1.28E-06
SB-125		1.45E-02	5.99E-02	6.63E-02	9.06E-02	2.31E-01	1.00E-05
SN-113		4.13E-05	0.00E+00	0.00E+00	0.00E+00	4.13E-05	1.79E-09
TE-132		0.00E+00	0.00E+00	1.08E-05	0.00E+00	1.08E-05	1.55E-09
CS-134		2.51E-04	4.55E-04	2.24E-04	5.59E-04	1.49E-03	2.15E-06
CS-137		1.59E-02	8.59E-03	1.76E-03	2.76E-03	2.90E-02	3.77E-05
LA-140		0.00E+00	3.47E-04	4.13E-05	9.64E-05	4.84E-04	6.98E-08
CE-144		6.95E-04	1.39E-04	0.00E+00	0.00E+00	8.34E-04	3.61E-07
XE-133		0.00E+00	5.50E-04	1.77E-04	4.89E-04	1.21E-03	1.58E-08
XE-135		0.00E+00	1.99E-05	0.00E+00	2.31E-05	4.29E-05	5.57E-10

TOTAL 10CFR20 EC RATIO = 8.66E-04

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**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 1st Quarter Liquid Effluent Releases

<u>Organ</u>	<u>Maximum Dose</u> (mrem)	<u>Critical Age</u>	<u>Critical Pathway</u>	<u>Major Contributors</u>	
Skin	4.25E-04	Teen	Shore	Cs-137	61.10%
				Co-60	19.23%
				Sb-125	12.15%
				Ag-110m	6.14%
Bone	2.86E-01	Child	Fish	Cs-137	98.87%
Liver	3.05E-01	Teen	Fish	Cs-137	97.89%
Total Body	1.93E-01	Adult	Fish	Cs-137	97.33%
Thyroid	4.41E-04	Teen	Shore	Cs-137	50.40%
				H-3	16.92%
				Co-60	15.73%
				Sb-125	10.36%
				Ag-110m	5.06%
Kidney	1.04E-01	Teen	Fish	Cs-137	97.89%
Lung	4.07E-02	Teen	Fish	Cs-137	97.61%
GI-LLI	1.35E-02	Adult	Fish	Nb-95	55.64%
				Cs-137	41.47%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 2nd Quarter Liquid Effluent Releases

<u>Organ</u>	<u>Maximum Dose</u> (mrem)	<u>Critical Age</u>	<u>Critical Pathway</u>	<u>Major Contributors</u>	
Skin	6.24E-04	Teen	Shore	Sb-125	43.69%
				Cs-137	28.52%
				Co-60	15.76%
				Ag-110m	9.89%
Bone	2.01E-01	Child	Fish	Cs-137	96.31%
Liver	2.20E-01	Teen	Fish	Cs-137	93.18%
				Cs-134	6.51%
Total Body	1.41E-01	Adult	Fish	Cs-137	91.47%
				Cs-134	8.19%
Thyroid	8.41E-04	Teen	Shore	H-3	34.77%
				Sb-125	28.73%
				Cs-137	18.15%
				Co-60	9.94%
				Ag-110m	6.29%
Kidney	7.51E-02	Teen	Fish	Cs-137	93.03%
				Cs-134	6.07%
Lung	2.97E-02	Teen	Fish	Cs-137	91.84%
				Cs-134	5.87%
GI-LLI	1.09E-02	Adult	Fish	Nb-95	56.12%
				Cs-137	35.10%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 3rd Quarter Liquid Effluent Releases

<u>Organ</u>	<u>Maximum Dose</u> (mrem)	<u>Critical Age</u>	<u>Critical Pathway</u>	<u>Major Contributors</u>	
Skin	1.37E-03	Teen	Shore	Sb-125	67.45%
				Ag-110m	13.24%
				Co-60	9.26%
				Cs-137	8.15%
Bone	1.33E-01	Child	Fish	Cs-137	91.49%
				Cs-134	8.33%
Liver	1.53E-01	Teen	Fish	Cs-137	84.54%
				Cs-134	14.21%
Total Body	9.99E-02	Adult	Fish	Cs-137	81.24%
				Cs-134	17.50%
Thyroid	2.01E-03	Teen	Shore	Sb-125	40.84%
				H-3	39.11%
				Ag-110m	7.76%
				Co-60	5.38%
Kidney	5.28E-02	Teen	Fish	Cs-137	83.34%
				Cs-134	13.07%
Lung	2.17E-02	Teen	Fish	Cs-137	79.10%
				Cs-134	12.17%
GI-LLI	1.24E-02	Adult	Fish	Nb-95	63.22%
				Cs-137	19.53%
				H-3	8.27%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 4th Quarter Liquid Effluent Releases

<u>Organ</u>	<u>Maximum Dose</u> (mrem)	<u>Critical Age</u>	<u>Critical Pathway</u>	<u>Major Contributors</u>	
Skin	1.26E-03	Teen	Shore	Sb-125	64.37%
				Ag-110m	13.76%
				Co-60	10.14%
				Cs-137	8.93%
Bone	1.40E-01	Child	Fish	Cs-137	87.22%
				Cs-134	12.63%
Liver	1.66E-01	Teen	Fish	Cs-137	78.13%
				Cs-134	20.90%
Total Body	1.10E-01	Adult	Fish	Cs-137	73.79%
				Cs-134	25.30%
Thyroid	1.69E-03	Teen	Shore	Sb-125	42.35%
				H-3	35.01%
				Ag-110m	8.76%
				Co-60	6.40%
				Cs-137	5.69%
Kidney	5.67E-02	Teen	Fish	Cs-137	77.79%
				Cs-134	19.42%
Lung	2.30E-02	Teen	Fish	Cs-137	74.77%
				Cs-134	18.31%
GI-LLI	8.75E-03	Adult	Fish	Nb-95	47.80%
				Cs-137	27.67%
				H-3	8.82%
				Cs-134	6.85%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 Liquid Effluent Releases

<u>Organ</u>	<u>Maximum Dose</u> (mrem)	<u>Critical Age</u>	<u>Critical Pathway</u>	<u>Major Contributors</u>	
Skin	2.92E-03	Teen	Shore	Sb-125	46.71%
				Cs-137	26.70%
				Co-60	13.71%
				Ag-110m	10.79%
Bone	8.80E-01	Child	Fish	Cs-137	96.41%
Liver	9.61E-01	Teen	Fish	Cs-137	93.34%
				Cs-134	6.33%
Total Body	6.15E-01	Adult	Fish	Cs-137	91.69%
				Cs-134	7.98%
Thyroid	3.78E-03	Teen	Shore	H-3	32.44%
				Sb-125	31.89%
				Cs-137	17.65%
				Co-60	8.98%
				Ag-110m	7.13%
Kidney	3.28E-01	Teen	Fish	Cs-137	93.16%
				Cs-134	5.90%
Lung	1.30E-01	Teen	Fish	Cs-137	91.91%
				Cs-134	5.71%
GI-LLI	4.74E-02	Adult	Fish	Nb-95	55.72%
				Cs-137	35.41%

OCONEE NUCLEAR STATION

1997 RADIOACTIVE GAS EFFLUENT RELEASES

II. AIRBORNE RELEASES

	UNITS	1ST QTR	2ND QTR	3RD QTR	4TH QTR	TOTAL	
1. TOTAL NOBLE GASES	CURIES	1.49E+00	4.78E+01	6.67E+00	7.28E+00	6.32E+01	
2. TOTAL HALOGENS	CURIES	2.63E-05	6.74E-04	2.79E-04	6.24E-05	1.04E-03	
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES	4.42E-03	1.54E-02	1.85E+00	9.65E-03	1.88E+00	
4. TOTAL TRITIUM	CURIES	1.61E+01	2.18E+01	1.36E+01	1.38E+01	6.53E+01	
5. TOTAL PARTICULATE GROSS ALPHA ACTIVITY	CURIES	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
6. MAXIMUM NOBLE GAS RELEASE RATE	UCI/SEC	1.60E+03	1.60E+03	1.60E+03	1.60E+03	1.60E+03	
7. RADIONUCLIDES RELEASED	CURIES						
							MAX SITE BOUNDARY 10CFR20 EC RATIO
H-3		1.61E+01	2.18E+01	1.36E+01	1.38E+01	6.53E+01	3.46E-05
<u>PARTICULATES</u>							
NA-24		0.00E+00	1.44E-06	1.33E-06	0.00E+00	2.78E-06	2.10E-11
K-40		0.00E+00	0.00E+00	7.24E-10	0.00E+00	7.24E-10	6.39E-14
MN-56		0.00E+00	0.00E+00	2.19E-07	0.00E+00	2.19E-07	5.79E-13
CO-58		0.00E+00	4.94E-07	1.35E-06	8.26E-11	1.85E-06	9.79E-11
SE-75		0.00E+00	2.57E-11	0.00E+00	0.00E+00	2.57E-11	1.70E-15
RB-88		0.00E+00	2.89E-06	5.80E-06	7.10E-07	9.41E-06	5.54E-12
CD-115		0.00E+00	0.00E+00	1.23E-06	0.00E+00	1.23E-06	3.25E-11
CS-134		6.05E-07	1.94E-04	2.40E-06	1.59E-06	1.99E-04	5.26E-08
CS-137		3.21E-05	2.84E-05	9.58E-05	2.32E-05	1.79E-04	4.75E-08
CS-138		0.00E+00	6.19E-06	1.43E-05	1.23E-06	2.17E-05	1.44E-11
BA-140		0.00E+00	9.30E-07	0.00E+00	0.00E+00	9.30E-07	2.46E-11
C-11		4.39E-03	1.52E-02	1.85E+00	9.63E-03	1.88E+00	1.66E-07
<u>HALOGENS</u>							
I-131		2.54E-06	7.98E-05	1.31E-05	3.91E-06	9.94E-05	2.63E-08
I-132		0.00E+00	2.16E-04	4.51E-05	7.16E-07	2.62E-04	6.95E-10
I-133		2.38E-05	2.63E-04	2.14E-04	5.09E-05	5.51E-04	2.92E-08
I-134		0.00E+00	0.00E+00	4.32E-07	2.32E-06	2.76E-06	2.43E-12
I-135		0.00E+00	1.15E-04	6.55E-06	4.57E-06	1.26E-04	1.11E-09
<u>GASES</u>							
AR-41		3.80E-02	1.67E-01	2.15E-01	8.75E-03	4.28E-01	2.27E-06
KR-85		7.41E-01	1.83E-01	1.34E-03	2.54E-01	1.18E+00	8.92E-08
KR-85M		5.11E-04	3.39E-03	5.67E-03	2.86E-04	9.86E-03	5.22E-09
KR-87		1.43E-03	7.40E-03	1.13E-02	4.67E-04	2.06E-02	5.46E-08
KR-88		1.37E-03	8.93E-03	1.27E-02	6.67E-02	8.97E-02	5.28E-07
XE-131M		0.00E+00	6.83E-01	9.29E-03	1.89E-02	7.11E-01	1.88E-08
XE-133		6.76E-01	4.61E+01	5.97E+00	6.91E+00	5.97E+01	6.32E-06
XE-133M		0.00E+00	1.18E-01	6.08E-03	3.27E-03	1.27E-01	1.12E-08
XE-135		8.32E-03	3.74E-01	2.96E-01	9.25E-03	6.87E-01	5.20E-07
XE-135M		1.44E-02	6.32E-02	9.17E-02	2.04E-03	1.71E-01	2.27E-07
XE-137		2.04E-04	1.91E-02	7.29E-03	0.00E+00	2.66E-02	1.41E-06
XE-138		5.36E-03	2.76E-02	4.00E-02	1.70E-03	7.47E-02	1.98E-07

MAX SITE BOUNDARY 10CFR20 TOTAL EC RATIO = 4.66E-05

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 1st Quarter Gaseous Effluent Releases

NOBLE GAS EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector

Beta Air Dose = $1.30\text{E-}04$ mrad
Gamma Air Dose = $8.71\text{E-}05$ mrad

Total Body Dose = $5.70\text{E-}05$ mrem Total Skin Dose = $1.49\text{E-}04$ mrem

Major Contributors

Ar-41 53.11%
Xe-138 12.17%
Xe-135m 11.54%
Xe-133 11.28%
Kr-88 5.17%

Major Contributors

Ar-41 32.55%
Kr-85 30.20%
Xe-133 12.16%
Xe-138 8.50%
Xe-135m 6.69%

IODINE, PARTICULATE, and TRITIUM EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector

Maximum Organ: Liver
Critical Age: Child
Critical Pathway: Garden Vegetable (contributing 77.98% of dose)

Maximum Organ Dose = $6.50\text{E-}03$ mrem

Major Contributor

H-3 97.15%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 2nd Quarter Gaseous Effluent Releases

NOBLE GAS EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector

Beta Air Dose = 2.52E-03 mrad
Gamma Air Dose = 1.20E-03 mrad

Total Body Dose = 7.39E-04 mrem Total Skin Dose = 1.83E-03 mrem

Major Contributors

Xe-133 58.13%
Ar-41 24.46%

Major Contributors

Xe-133 66.05%
Ar-41 15.85%

IODINE, PARTICULATE, and TRITIUM EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-West Sector

Maximum Organ: Liver
Critical Age: Child
Critical Pathway: Garden Vegetable (contributing 77.84% of dose)

Maximum Organ Dose = 1.00E-02 mrem

Major Contributor

H-3 71.90%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 3rd Quarter Gaseous Effluent Releases

NOBLE GAS EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-East Sector

Beta Air Dose = $4.73\text{E-}04$ mrad
Gamma Air Dose = $7.14\text{E-}04$ mrad

Total Body Dose = $4.70\text{E-}04$ mrem Total Skin Dose = $8.66\text{E-}04$ mrem

Major Contributors

Ar-41	56.12%
Xe-138	12.18%
Xe-135m	9.86%
Xe-133	6.63%
Kr-88	6.44%
Xe-135	5.86%

Major Contributors

Ar-41	48.95%
Xe-138	12.12%
Xe-133	10.14%
Xe-135	8.40%
Xe-135m	8.15%
Kr-88	4.81%

IODINE, PARTICULATE, and TRITIUM EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-West Sector

Maximum Organ: Liver
Critical Age: Child
Critical Pathway: Garden Vegetable (contributing 76.06% of dose)

Maximum Organ Dose = $5.77\text{E-}03$ mrem

Major Contributors

H-3	74.16%
Cs-137	25.29%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 4th Quarter Gaseous Effluent Releases

NOBLE GAS EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-West Sector

Beta Air Dose = 4.29E-04 mrad
Gamma Air Dose = 1.95E-04 mrad

Total Body Dose = 1.20E-04 mrem Total Skin Dose = 2.96E-04 mrem

Major Contributors

Xe-133 62.99%
Kr-88 30.82%

Major Contributors

Xe-133 71.97%
Kr-88 17.17%
Kr-85 6.14%

IODINE, PARTICULATE, and TRITIUM EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector

Maximum Organ: Liver
Critical Age: Child
Critical Pathway: Garden Vegetable (contributing 78.04% of dose)

Maximum Organ Dose = 5.25E-03 mrem

Major Contributor

H-3 97.92%

**Oconee Nuclear Station
Radioactive Effluent Releases
10CFR50, Appendix I Dose Calculation Results**

Maximum Public Dose from 1997 Gaseous Effluent Releases

NOBLE GAS EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector

Beta Air Dose = $3.60\text{E-}03$ mrad
Gamma Air Dose = $2.17\text{E-}03$ mrad

Total Body Dose = $1.37\text{E-}03$ mrem Total Skin Dose = $3.12\text{E-}03$ mrem

Major Contributors

Xe-133 40.68%
Ar-41 33.66%
Xe-138 7.06%
Kr-88 5.97%
Xe-135m 5.72%

Major Contributors

Xe-133 50.10%
Ar-41 23.60%
Xe-138 5.63%
Xe-135 5.54%

IODINE, PARTICULATE, and TRITIUM EXPOSURE SUMMARY:

Maximum Location: Site Boundary (1.0 mile), South-West Sector

Maximum Organ: Liver
Critical Age: Child
Critical Pathway: Garden Vegetable (contributing 77.31% of dose)

Maximum Organ Dose = $2.69\text{E-}02$ mrem

Major Contributors

H-3 80.99%
Cs-137 9.76%

Oconee Nuclear Station
1997 Radioactive Effluent Releases
40CFR190 Uranium Fuel Cycle Dose* Calculation Results

Maximum Total Body Dose = 6.16E-01 mrem

Maximum Location: Site Boundary (1.0 mile), South-South-East Sector
Critical Age = Adult

Liquid and Gas Effluent Contribution to Maximum Total Body Dose

Liquid Effluent Dose = 6.15E-01 mrem = 99.8% of total

Critical Path = Fish (99.9%)
Major Contributors = Cs-137 (91.7%)
Cs-134 (7.9%)

Gas Effluent Dose = 1.37E-03 mrem = 0.2% of total

Major Contributors = Xe-133 (40.6%)
Ar-41 (33.6%)
Xe-138 (7.0%)
Kr-88 (5.9%)
Xe-135m (5.7%)

Maximum Organ Dose = 9.81E-01 mrem

Maximum Location: Site Boundary (1.0 mile), South-West Sector
Critical Age = Teen
Critical Organ = Liver

Liquid and Gas Effluent Contribution to Maximum Organ Dose

Liquid Effluent Dose = 9.61E-01 mrem = 98.0% of total

Critical Path = Fish (99.7%)
Major Contributors = Cs-137 (93.3%)
Cs-134 (6.3%)

Gas Effluent Dose = 2.00E-02 mrem = 2.0% of total

Critical Path = Garden (66.5%)
Major Contributors = H-3 (81.7%)
Cs-137 (9.3%)
Cs-134 (8.8%)

* Annual dose limits from 40CFR190.10(a) of 25 mrem whole body, 75 mrem to the thyroid, and 25 mrem to any other organ.

SUPPLEMENTAL INFORMATION

OCONEE NUCLEAR STATION

1997 EFFLUENT AND WASTE DISPOSAL SUPPLEMENTAL INFORMATION

I. REGULATORY LIMITS - STATION

A. NOBLE GASES - AIR DOSE

1. CALENDAR QUARTER - GAMMA DOSE = 15 MRAD
2. CALENDAR QUARTER - BETA DOSE = 30 MRAD
3. CALENDAR YEAR - GAMMA DOSE = 30 MRAD
4. CALENDAR YEAR - BETA DOSE = 60 MRAD

B. LIQUID EFFLUENTS - DOSE

1. CALENDAR QUARTER - TOTAL BODY DOSE = 4.5 MREM
2. CALENDAR QUARTER - ORGAN DOSE = 15 MREM
3. CALENDAR YEAR - TOTAL BODY DOSE = 9 MREM
4. CALENDAR YEAR - ORGAN DOSE = 30 MREM

C. IODINE - 131 AND 133, TRITIUM, PARTICULATES W/T 1/2 > 8 DAYS - ORGAN DOSE

1. CALENDAR QUARTER = 22.5 MREM
2. CALENDAR YEAR = 45 MREM

II. MAXIMUM PERMISSIBLE EFFLUENT CONCENTRATIONS

A. GASEOUS EFFLUENTS - INFORMATION FOUND IN OFFSITE DOSE CALCULATION MANUAL

B. LIQUID EFFLUENTS - INFORMATION FOUND IN 10CFR20, APPENDIX B, TABLE 2, COLUMN 2

III. AVERAGE ENERGY - NOT APPLICABLE

IV. MEASUREMENTS AND APPROXIMATIONS OF TOTAL RADIOACTIVITY

INFORMATION FOUND IN OFFSITE DOSE CALCULATION MANUAL

BATCH RELEASES

A. LIQUID EFFLUENT

1. $2.25E+02$ = TOTAL NUMBER OF BATCH RELEASES
2. $5.66E+05$ = TOTAL TIME (MIN.) FOR BATCH RELEASES.
3. $4.46E+04$ = MAXIMUM TIME (MIN.) FOR A BATCH RELEASE.
4. $2.52E+03$ = AVERAGE TIME (MIN.) FOR A BATCH RELEASE.
5. $6.00E+01$ = MINIMUM TIME (MIN.) FOR A BATCH RELEASE.
6. $5.15E+06$ = AVERAGE DILUTION WATER FLOW DURING RELEASES (GPM).

B. GASEOUS EFFLUENT

1. $2.26E+02$ = TOTAL NUMBER OF BATCH RELEASES.
2. $8.13E+05$ = TOTAL TIME (MIN.) FOR BATCH RELEASES.
3. $4.46E+04$ = MAXIMUM TIME (MIN.) FOR A BATCH RELEASE.
4. $3.60E+03$ = AVERAGE TIME (MIN.) FOR A BATCH RELEASE.
5. $1.00E+00$ = MINIMUM TIME (MIN.) FOR A BATCH RELEASE.

VI. ABNORMAL RELEASES

A. LIQUID

1. NUMBER OF RELEASES = 0
2. TOTAL ACTIVITY RELEASED (CURIES) = 0

B. GASEOUS

1. NUMBER OF RELEASES = 0
2. TOTAL ACTIVITY RELEASED (CURIES) = 0

SUPPLEMENTAL REPORT PAGE 2

OCONEE NUCLEAR STATION

Values represented by "0.00E+00" within the body of the Annual report are below the minimum detectable limits of the Oconee counting systems. Typical MDA's for the Oconee counting systems are listed below:

<u>ISOTOPE</u>	<u>ENERGY (Kev)</u>	<u>AVERAGE MDA</u>
Xe-133	80	1.32E-06
Ce-144	133	1.42E-06
Kr-88	196	1.82E-06
Xe-135	249	5.04E-07
Kr-87	402	9.99E-07
Cs-137	661	3.17E-07
Nb-95	766	2.55E-07
Mo-99	778	1.22E-07
Mn-54	834	2.18E-07
Zn-65	1115	4.27E-07
Co-60	1332	2.24E-07

SUPPLEMENTAL REPORT PAGE 3

OCONEE NUCLEAR STATION

The estimated percentage of error for both Liquid and Gaseous effluent release data at Oconee Nuclear Station has been determined to be $\pm 16.1\%$. This value was derived by taking the square root of the sum of the squares of the following discrete individual estimates of error:

- (1) Flow rate determining devices = $\pm 5\%$
- (2) Counting error = $\pm 15\%$
- (3) Sample preparation error = $\pm 3\%$

Duke Power Company

Oconee Nuclear Site

Attachment II

Solid Waste Disposal Report

OCONEE NUCLEAR STATION ANNUAL RADWASTE REPORT

1/13/98

DUKE POWER COMPANY OCONEE NUCLEAR STATION SOLID RADIOACTIVE WASTE SHIPPED TO A DISPOSAL FACILITY

REPORT PERIOD: JANUARY - DECEMBER YEAR: 1997

TYPES OF WASTE SHIPPED		NUMBER OF SHIPMENTS	NUMBER OF CONTAINERS	A-U	WASTE CLASS			CONTAINER TYPE	BURIAL VOLUME	TOTAL ACTIVITY	
					A-S	B	C		CU. FT.	CU. M.	CURIES
1) WASTE FROM LIQUID SYSTEM											
(A) DEWATERED POWDEX RESIN		24	24	12	0	0	0	STC	320.56	9.08	122.80
(B) DEWATERED BEAD RESIN		3	3	0	0	0	3	TYPE A/B	360.9	10.22	649.00
(C) EVAPORATOR CONCENTRATES		0	0	0	0	0	0		0	0.00	0.00
(D) DEWATERED MECHANICAL FILTERS											
1. PRIMARY FILTER MEDIA		5	18	5	2	9	2	TYPE A/B	477.8	13.53	83.32
2. SECONDARY FILTER MEDIA		1	1	1	0	0	0	STC	1.1	0.03	0.02
(E) DEWATERED DEMINERALIZERS		2	2	0	0	0	2	TYPE A	240.6	6.81	30.10
(F) SOLIDIFIED (CEMENT) OIL, ACIDS,SLUDGES		0	0	0	0	0	0	STC	0	0.00	0.00
2) DRY SOLID WASTE											
(A) DRY ACTIVE WASTE (COMPACTED)		(1) 31	31	31	0	0	0	STC	504.4	14.28	2.81
		(2) 0	0	0	0	0	0	STC	0	0.00	0.00
(B) DRY ACTIVE WASTE (NON-COMPACTED)		1	7	7	0	0	0	TYPE A	52.5	1.49	0.11
(C) DRY ACTIVE WASTE (BROKERED)		0	0	0	0	0	0		0	0.00	0.00
(D) IRRADIATED COMPONENTS		0	0	0	0	0	0		0	0.00	0.00
TOTAL		67	86	56	2	9	7		1957.86	55.44	888.16

NOTE: (1) SHIPMENTS FROM ALARON & SEG TO CNSI @ BARNWELL * SHIPMENTS MADE FROM OTHER COMPANYS
 (2) SHIPMENTS FROM ALARON TO CNSI @ BARNWELL (DEC SO INFORMATION IS NOT KNOWN

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: POWDEX RESIN

		# OF LINERS SHIPPED TO MMT							15							# OF SHIPMENTS TO MMT							5									
ISOTOPE:	% ABUNDANCE/LINER							# OF LINERS SHIPPED TO CNSI							24							# OF SHIPMENTS TO CNSI							24		TOTAL	AVE.
CR-51	0	0	0	0	0	0	6.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.51	0.43				
MN-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CO-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CO-58	0	0	0	0	10.95	5.07	17.79	0	0	9.73	7.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50.65	3.38				
CO-60	0	0	0	0	3.69	2.85	14.52	0	0	15.53	9.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45.92	3.06					
NB-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
ZR-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CS-134	0	0	0	0	10.29	4.47	2.55	0	0	2.61	2.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22.53	1.50					
RU-103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
AG-110m	0	0	0	0	14.4	18.75	40.56	0	0	36.54	29.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139.26	9.28					
SB-125	0	0	0	0	26.58	37.29	40.29	0	0	41.97	83.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229.44	15.30					
I-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CS-137	0	0	0	0	44.28	23.64	14.31	0	0	15.65	13.98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111.86	7.46					
H-3	0	0	0	0	188.46	207.96	163.5	0	0	177.95	154.65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	892.52	59.50					
NI-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
FE-55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
SR-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
TE-125m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CS-136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
XE-133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
C-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
PU-241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
TRU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
FE-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
SB-124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
RU-106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
CE-144	0	0	0	0	1.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32	0.09					
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00				
TOTAL	0	0	0	0	299.97	300.03	300.03	0	0	299.98	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1500.01	100.00				
CLASS C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
CLASS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
CLASS AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
CLASS AU	0	1	0	1	1	1	0	1	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	12						
CURIES	0.0041	0.0237	0.0823	0.0736	0.0536	0.0528	0.135	0.0169	0.0331	0.1119	122.2	0.013	0	0	0	0	0	0	0	0	0	0	0	0	0	122.8						
CU. FT.	6.7	54.62	18.9	99.14	13.32	45.12	9.5	14.09	10.17	16.15	29.65	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	320.56						
CU. M	0.1897	1.5467	0.5352	2.8074	0.3772	1.2777	0.269	0.399	0.288	0.4573	0.8396	0.0906	0	0	0	0	0	0	0	0	0	0	0	0	0	9.07742						
RSR#	96-2001	96-2003	96-2016	96-2021	97-2014	97-2015	97-2029	96-2002	96-2040	97-2035	97-2042	95-2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0						

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: BEAD RESIN

		# OF LINERS SHIPPED TO CNSI																3	
ISOTOPE:		% ABUNDANCE/LINER																# OF SHIPMENTS TO CNSI	
																		3	
																		TOTAL AVE.	
CR-51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
MN-54	0	0	1.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23 0.41
CO-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
CO-58	5.28	3.66	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.94	5.98
CO-60	2.09	1.9	4.52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.51	2.84
NB-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
ZR-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
CS-134	21.3	21.53	9.97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52.8	17.60
RU-103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
AG-110m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
SB-125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
I-131	0	0	0.94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.94	0.31
CS-137	46.56	50.11	23.97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120.64	40.21
H-3	0.05	0.04	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.04
NI-63	19.03	17.32	41.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77.7	25.90
FE-55	3.67	3.33	7.98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.98	4.99
SR-90	1.39	1.5	0.72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.61	1.20
TE-125m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
CS-136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
XE-133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
C-14	0.02	0.02	0.041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.081	0.03
PU-241	0.29	0.31	0.148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.748	0.25
I-129	0	0	4E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4E-09	0.00
TC-99	0	0	2.00E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2E-06	0.00
CM-242	0	0	0.0006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0006	0.00
AM-241	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.00
PU-239/40	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.00
PU-238	0.007	0.01	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.021	0.01
CM-243/44	0.004	0.005	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.011	0.00
TOTAL	99.691	99.735	99.8976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	299.32	99.77
CLASS C	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
CLASS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLASS AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLASS AU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CURIES	154	183	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	649	
CU. FT.	120.3	120.3	120.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	360.9	
CU. M	3.403978	3.406581	3.406581	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.217	
RSR#	97-2013	97-2016	97-2056	0	0														

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: COMPACTED DAW (SEG)

# OF SHIPMENTS FROM ONS TO SEG	8	# OF CONTAINERS FROM ONS TO SEG	16
# OF SHIPMENTS FROM ONS TO ALARON	0	# OF CONTAINERS FROM ONS TO ALARON	0
# OF SHIPMENTS FROM SEG TO CNSI	31	# OF CONTAINERS FROM SEG TO CNSI	31
# OF SHIPMENTS FROM ALARON TO CNSI	0	# OF CONTAINERS FROM ALARON TO CNSI	0
TOTAL # OF SHIPMENTS TO CNSI	31	TOTAL # OF CONTAINERS SHIPPED	31

RSR #	CU. FT.. SHIPPED	CURIES SHIPPED	CU. FT.. TO CNSI	CURIES TO CNSI	COMPLETED
97-2005	2080	0.345	85.1	0.2717	
97-2008	2072.5	0.841	85.7	0.6796	
94-2060	0	0	0.1	0.000165	
96-2045	0	0	95.5	0.246	
97-2019	2080	1.164	94.7	1.054	
96-2038	0	0	31.5	0.1013	
97-2028	2080	0.111	15.6	0.071	
95-2043	0	0	3.6	0.0152	
96-2007	0	0	0.1	0.0011	
97-2039	2080	0.105	12.3	0.00458	
97-2043	2005.7	0.245	26.6	0.024	
97-2049	2049.5	0.76	53.6	0.342	
97-2060	2080	0.517	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
TOTAL	16527.7	4.088	504.4	2.810645	

TOTAL CUBIC FEET BURIED	504.4
TOTAL CUBIC METERS	14.28329
TOTAL CUBIC YARDS	14.28329

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT

REPORT PERIOD: JANUARY - DECEMBER

YEAR:

1997

WASTE TYPE: UNCOMPACTED DAW

# OF SHIPMENTS FROM ONS TO CNSI	1
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# OF SHIPMENTS FROM ONS TO CNSI	7
# OF CONTAINERS FROM ONS TO CNSI	7

[illegible]

TOTAL CUBIC METERS	1.486663
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Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT

REPORT PERIOD: JANUARY - DECEMBER

WASTE TYPE: DECON METAL (ALARON,CNSI,SEG)

10

0

10

0

RSR #	CU. FT.. TO ALARON/MSC	CURIES TO ALARON/MSC	CU. FT.. TO SEG	CURIES TO SEG	CU. FT.. TO CNSI	CURIES TO CNSI	COMPLETED
97-2001	1040	0.027	0	0	0	0	
97-2009	1040	0.016	0	0	0	0	
97-2010	1040	0.013	0	0	0	0	
97-2011	1040	0.003	0	0	0	0	
97-2012	1040	0.016	0	0	0	0	
97-2017	1040	0.041	0	0	0	0	
97-2018	1040	0.098	0	0	0	0	
97-2027	1040	0.146	0	0	0	0	
97-2050	0	0	1040	0.094	0	0	
97-2051	1040	0.215	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
TOTAL	9360	0.575	1040	0.094	0	0	

TOTAL CUBIC METERS

0

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: DEMIN RESIN

		# OF LINERS SHIPPED TO CNSI												2																			
ISOTOPE:		% ABUNDANCE/LINER						# OF SHIPMENTS TO CNSI												2		TOTAL AVE.											
CR-51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
MN-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
CO-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
CO-58	11.7	7.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.99	9.50			
CO-60	6.7	3.78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.48	5.24			
NB-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
ZR-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
CS-134	13.5	17.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.85	15.43			
RU-103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
AG-110m	3	3.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.18	3.09			
SB-125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
I-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
CS-137	32.9	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78.9	39.45			
H-3	0	0.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.11			
NI-63	17.8	11.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.03	14.52			
FE-55	12.9	9.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.93	10.97			
SR-90	0.2	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.28	0.14			
TE-125m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
CS-136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
XE-133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
C-14	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.20			
PU-241	0.9	0.93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
TRU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
FE-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
SB-124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
RU-106	0	1.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12	0.56			
CE-144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00			
PU-238	0	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003	0.00			
PU-239/40	0	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
AM-241	0	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CM-242	0	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CM-243/44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TOTAL		100	100.239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	198.38	99.19			
CLASS C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2				
CLASS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
CLASS AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
CLASS AU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
CURIES	14.6	15.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.1				
CU. FT.	120.3	120.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240.6				
CU. M	3.4066	3.40658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.8132				
RSR#	97-2002	97-2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: IRRADIATED COMPONENT

		# OF LINERS SHIPPED TO CNSI																		0	
ISOTOPE:		% ABUNDANCE/LINER																		# OF SHIPMENTS TO CNSI	
																				0	
																				TOTAL AVE.	
CR-51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
MN-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CO-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CO-58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CO-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
NB-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
ZR-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CS-134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
RU-103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
AG-110m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
SB-125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
I-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CS-137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
NI-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
FE-55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
SR-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
TE-125m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CS-136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
XE-133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
C-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
PU-241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
TRU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
FE-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
SB-124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
RU-106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CE-144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
TA-182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 #DIV/0!
CLASS C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS AU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CURIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CU, FT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CU, M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSR#	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: PRIMARY FILTERS

		# OF DRUMS/LINERS TO CNSI										18											
ISOTOPE:		# OF SHIPMENTS TO CNSI										5										TOTAL AVE.	
CR-51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
MN-54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CO-57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CO-58	38.04	77.45	18.30	36.91	34.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205.5	11.41
CO-60	18.86	37.59	20.59	18.96	19.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.1	6.40
NB-95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
ZR-95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CS-134	30.68	61.29	31.83	30.76	30.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.4	10.30
RU-103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
AG-110m	12.44	24.94	10.91	12.41	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.9	4.05
SB-125	4.64	9.26	4.92	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.14	1.56
I-131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CS-137	56.27	112.26	63.26	56.79	57.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	346	19.22
H-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
NI-63	53.83	107.21	60.82	54.14	54.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.9	18.38
FE-55	82.13	163.85	86.49	82.41	82.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	497.6	27.64
SR-90	0.57	1.14	0.66	0.57	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.20
TE-125m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CS-136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
XE-133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
C-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
PU-241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
TRU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
FE-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
SB-124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
RU-106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CE-144	2.52	5.07	2.27	2.53	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
NI-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CE-141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
SR-89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CM-242	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
CM-243/44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
TOTAL	299.98	600.06	300.05	300.14	299.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1785	99.17
CLASS C	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
CLASS B	1	0	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
CLASS AS	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
CLASS AU	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
CURIES	27.7	1.586	21.1	28.2	4.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83.32
CU. FT.	114.9	75.8	57.3	114.9	114.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	477.8
CU. M	3.253667	2.146457	1.622586	3.253667	3.2537	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.53
RSR#	97-2007	97-2033	97-2030	97-2034	97-2037	0																	

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: SECONDARY FILTERS

1

1

TOTAL AVE.

9 of 11

Oconee Nuclear Station Annual Report

OCONEE NUCLEAR STATION SOLID RADWASTE REPORT
REPORT PERIOD: JANUARY - DECEMBER
WASTE TYPE: SOLIDIFIED (CEMENT) OIL, ACIDS, SLUDGES

		# OF LINERS SHIPPED TO CNSI & SEG																			
		0																			
ISOTOPE:	% ABUNDANCE/LINER	# OF SHIPMENTS TO CNSI & SEG																		TOTA AVE.	
		0																			
CR-51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MN-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CO-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CO-58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CO-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NB-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ZR-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CS-134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RU-103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AG-110m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SB-125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
I-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CS-137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NI-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FE-55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SR-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TE-125m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CS-136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
XE-133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PU-241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FE-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SB-124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RU-106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CE-144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CM-242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLASS C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS B		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS AS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLASS AU		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CURIES		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CU, FT.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CU, M		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSR#		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Duke Power Company

Oconee Nuclear Site

Attachment III

Meteorological Data

PASQUILL STABILITY A

	WIND SPEED CLASS										TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	8.50- 9.49	>9.50 M/S	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
SECTOR											
-N-	.	.	1	.	2	3
-NNE-	.	.	4	3	7
-NE-	.	.	4	1	.	3	1	.	.	.	9
-ENE-	.	1	.	2	3	.	.	1	1	.	8
-E-	.	.	.	5	2	7
-ESE-	1	.	.	1	2
-SE-	.	.	.	1	1
-SSE-	.	1	1
-S-	2	2
-SSW-	.	7	15	11	10	4	1	1	1	.	50
-SW-	.	9	43	36	10	9	5	2	3	2	119
-WSW-	.	3	15	8	1	.	1	.	1	3	32
-W-	1	3	2	1	2	.	3	.	.	1	13
-WNW-	.	3	4	1	5	5	6	5	3	7	39
-NW-	1	.	1	1	3	3	.	4	2	4	19
-NNW-	.	1	.	2	3	.	.	2	1	1	10
TOTAL	3	28	89	73	43	24	17	15	12	18	322

PASQUILL STABILITY B

	WIND SPEED CLASS									TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	>9.50 M/S	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
SECTOR										
-N-	1	3	2	6
-NNE-	.	2	2
-NE-	1	1	2	1	3	1	1	.	.	10
-ENE-	.	.	3	7	8	7	2	1	.	28
-E-	.	3	4	1	3	11
-ESE-	.	.	.	1	1	2
-SE-	1	1	.	.	.	2
-SSE-	1	.	1	1	3
-S-	1	1	3	3	8
-SSW-	.	4	25	19	11	6	3	.	.	68
-SW-	.	13	27	11	8	5	9	3	1	77
-WSW-	.	7	12	3	.	2	.	2	4	30
-W-	1	6	2	2	2	2	2	2	1	20
-WNW-	.	1	1	1	3	.	3	1	6	16
-NW-	1	.	1	.	1	2	1	.	1	7
-NNW-	.	2	2
TOTAL	7	43	83	50	40	26	21	9	13	292

PASQUILL STABILITY C

	WIND SPEED CLASS										TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	8.50- 9.49	>9.50 M/S	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
SECTOR											
-N-	.	4	3	2	9
-NNE-	1	3	3	1	.	.	.	1	1	.	10
-NE-	.	3	6	12	8	8	.	.	1	1	39
-ENE-	.	6	5	11	15	4	3	3	.	.	47
-E-	.	5	12	7	6	30
-ESE-	1	3	3	1	8
-SE-	1	2	1	4
-SSE-	.	1	4	1	1	7
-S-	.	2	6	2	1	11
-SSW-	.	13	21	21	8	7	3	1	.	.	74
-SW-	.	15	29	9	12	4	5	5	2	.	81
-WSW-	.	12	14	1	1	.	1	3	.	7	39
-W-	2	10	1	1	2	16
-WNW-	.	6	.	.	2	.	5	3	1	4	21
-NW-	1	1	1	1	1	2	1	3	2	.	13
-NNW-	2	4	6
TOTAL	8	90	109	69	55	25	18	19	8	14	415

PASQUILL STABILITY D

SECTOR	WIND SPEED CLASS										TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	8.50- 9.49	>9.50 M/S	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
-N-	52	133	44	16	2	3	1	.	.	.	251
-NNE-	33	119	84	32	11	4	1	.	.	.	284
-NE-	23	79	123	117	70	25	14	1	1	.	453
-ENE-	18	46	122	130	94	38	16	8	1	.	473
-E-	7	47	61	48	24	9	3	.	.	.	199
-ESE-	13	36	37	14	3	103
-SE-	15	28	12	5	1	2	63
-SSE-	14	40	31	7	6	3	1	.	.	.	102
-S-	13	47	52	19	4	1	.	.	1	.	137
-SSW-	14	74	98	68	48	26	13	3	.	.	344
-SW-	24	100	101	76	78	69	46	23	18	11	546
-WSW-	21	94	54	36	18	38	31	10	10	12	324
-W-	27	57	20	11	18	13	11	6	9	16	188
-WNW-	46	49	10	21	21	33	23	22	16	11	252
-NW-	63	57	15	11	18	19	18	8	6	8	223
-NNW-	50	79	15	10	8	6	4	1	2	.	175
TOTAL	433	1085	879	621	424	289	182	82	64	58	4117

PASQUILL STABILITY E

SECTOR	WIND SPEED CLASS										TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	8.50- 9.49	>9.50 M/S	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
-N-	68	191	92	14	3	1	369
-NNE-	55	202	88	25	3	.	1	.	.	.	374
-NE-	34	73	53	21	6	.	1	.	.	.	188
-ENE-	28	42	44	19	6	1	1	.	.	.	141
-E-	17	33	35	16	4	105
-ESE-	15	29	21	5	2	1	73
-SE-	10	18	18	9	2	57
-SSE-	11	25	33	23	7	99
-S-	16	35	36	25	8	2	122
-SSW-	23	42	39	42	18	17	4	1	.	.	186
-SW-	18	29	46	36	22	32	26	13	6	8	236
-WSW-	24	41	24	10	12	27	14	11	4	3	170
-W-	37	22	18	12	9	12	6	.	2	.	118
-WNW-	58	31	13	8	16	9	6	4	2	.	147
-NW-	52	59	18	17	9	7	3	.	.	.	165
-NNW-	64	134	19	5	5	5	232
TOTAL	530	1006	597	287	132	114	62	29	14	11	2782

PASQUILL STABILITY F

	WIND SPEED CLASS								TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
SECTOR									
-N-	16	51	27	3	97
-NNE-	3	23	33	13	72
-NE-	2	10	10	22
-ENE-	4	3	6	1	.	1	.	.	15
-E-	7	3	10
-ESE-	7	4	2	2	15
-SE-	2	2	5	1	10
-SSE-	5	2	1	2	1	1	.	.	12
-S-	.	4	3	1	8
-SSW-	4	5	3	12
-SW-	3	5	6	4	3	.	.	1	22
-WSW-	5	10	6	6	1	3	3	.	34
-W-	3	7	1	.	4	.	.	.	15
-WNW-	6	3	2	4	.	1	.	.	16
-NW-	3	3	2	2	1	2	2	1	16
-NNW-	5	13	3	1	.	1	.	.	23
TOTAL	75	148	110	40	10	9	5	2	399

PASQUILL STABILITY G

	WIND SPEED CLASS						TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	
	NØ.	NØ.	NØ.	NØ.	NØ.	NØ.	
SECTOR							
-N-	2	10	9	4	.	.	25
-NNE-	3	4	14	3	1	.	25
-NE-	2	2	3	.	.	.	7
-ENE-	3	3	6
-E-	1	3	4
-ESE-	3	2	2	1	.	.	8
-SE-	.	1	1
-SSE-	.	4	2	1	.	.	7
-S-	1	1	1	.	.	.	3
-SSW-	.	4	2	.	.	.	6
-SW-	1	4	.	2	1	1	9
-WSW-	.	8	.	5	1	1	15
-W-	1	3	1	4	2	.	11
-WNW-	3	3	.	.	1	.	7
-NW-	1	2	.	1	.	.	4
-NNW-	2	7	2	.	1	.	12
TOTAL	23	61	36	21	7	2	150

ALL STABILITY CLASSES

SECTOR	WIND SPEED CLASS										TOTAL
	0.45- 1.49	1.50- 2.49	2.50- 3.49	3.50- 4.49	4.50- 5.49	5.50- 6.49	6.50- 7.49	7.50- 8.49	8.50- 9.49	>9.50 M/S	
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
-N-	139	392	178	39	7	4	1	.	.	.	760
-NNE-	95	353	226	77	15	4	2	1	1	.	774
-NE-	62	168	201	152	87	37	17	1	2	1	728
-ENE-	53	101	180	170	126	51	22	13	2	.	718
-E-	32	94	112	77	39	9	3	.	.	.	366
-ESE-	40	74	65	25	6	1	211
-SE-	29	51	36	16	3	3	138
-SSE-	31	73	72	35	15	4	1	.	.	.	231
-S-	31	90	101	50	15	3	.	.	1	.	291
-SSW-	41	149	203	161	95	60	24	6	1	.	740
-SW-	46	175	252	174	134	120	91	47	29	22	1090
-WSW-	50	175	125	69	34	71	50	26	15	29	644
-W-	72	108	45	30	37	27	22	8	12	20	381
-WNW-	113	96	30	35	48	48	43	35	22	28	498
-NW-	122	122	38	33	33	35	25	16	10	13	447
-NNW-	123	240	39	18	17	12	4	3	3	1	460
TOTAL	1079	2461	1903	1161	711	489	305	156	98	114	8477

Duke Power Company

Oconee Nuclear Site

Attachment IV

Unplanned Offsite Releases

OCONEE NUCLEAR SITE

There were no unplanned offsite releases in 1997.

Duke Power Company

Oconee Nuclear Site

Attachment V

Inoperable Monitoring Equipment

OCONEE NUCLEAR SITE

Hot Machine Shop Vent flow totalizer was out of service for > 30 days, in 1997, due to the availability of replacement parts.

Duke Power Company

Oconee Nuclear Site

Attachment VI

ODCM / PCP Manual Changes

OCONEE NUCLEAR SITE

The following revisions were made to the Offsite Dose Calculation Manual (ODCM) during this reporting period and were transmitted to the Document Control Manual on January 10, 1998:

Revision 41 Generic Section

Revision 38 Oconee Nuclear Station

The Corporate Process Control Program Manual, rev 11, was transmitted to the Document Control Manual on June 19, 1997.

Duke Power Company

Oconee Nuclear Site

Attachment I

**Radioactive Effluent Releases
and Supplemental Information**