

Corporation

Duke

Statio~

Energy~

Highwav

OFHCF

W R. McCoIIum, Jr.

Vice Preside~t

Duke Energy

Ocon~~ NucI~ar

7800 Rochesier

Seneca, SC 29672

(864) 885-3107

(864) 885-3564 FAX

April 26, 2001

U.S. Nuclear Regulatory Commission

Document Control Desk

Washington, D.C. 20555

Subject: Oconee Nuclear Site
Docket Nos. 50-269, 50-270 and 50-287
Annual Effluent Release Report

Gentlemen:

Pursuant to Oconee Nuclear Site Selected Licensee Commitment Manual, SLC 16.11-9, and 10 CFR 50.36a(a) (2), please find attached the Annual Radioactive Effluent Release Report for the 2000 calendar year.

Should there be questions concerning this report please contact Judy E. Smith at (864)-885-4309.

Very truly yours,

W. R. McCollum, Jr.

Site Vice President

Oconee Nuclear Site

Attachments

U. S. Nuclear Regulatory Commission

April 26, 2001

Page 2

xc: Mr. L. A. Reyes
Regional Administrator, Region II

Mr. D. E. LaBarge
Project Manager, ONRR

Mr. M. C. Shannon
Senior Resident Inspector, ONS

Mr. Virgil R. Autry, Chief
Bureau of Radiological Health, SC

American Nuclear Insurers
ANI Library
Town Center, Suite 300S
29 South Main Street
West Hartford, CT 06107-2445

Attachment 1

Oconee Nuclear Site

Effluent Release Data
And Supplemental Information
OCONEE NUCLEAR STATION

EFFLUENT RELEASE DATA

(January 1, 2000 through December 31, 2000)

This attachment includes a summary of the quantities of radioactive liquid and gaseous effluents as outlined in Regulatory Guide 1.21, Appendix B.

TABLE 1A

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
~EOUS EFFLUENTS - S~TION OF ALL RELEASES

Oconee Nuclear Station Units 1, 2, & 3
REPORT ~R 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 TEAR

A. Fission and Activation Ga8e5					
9.21E+00	1	Total Release	Ci	2.99E+00	1.75E+003.49E+00 9.95E-01
2.91E-01	2	Avg. Relea8e Rate	pCi/sec	3.50E-012.22K-014.39E-01	1.25E-01
B. Iodine-131					
4.13E-05	1	Total Relea8e	Ci	1.25E-06	3.56E-050.00E+00 4.44E-06
1.31E-06	2	Avg. Relea8e Rate	pCi/sec	1.59E-074.53E-060.00E+00	5.58E-07

C. Particulates Half Life >- 9 days

1.13E-05	1. Total Release	Ci	4.94E-09	3.67E-07	9.05E-06	2.99E-06
3.59E-07	2. Avg. Release Rate	pci/aec	6.29E-10	4.66E-08	1.01E-06	3.64E-07
	D. Tritium					
1.29E+02	1. Total Release	Ci	4.92E+01	1.17E+01	2.63E+01	4.29E+01
4.09E+00	2. Avg. Release Rate	pci/aec	6.13E+00	1.49E+00	3.31E+00	5.40E+00

TABLE 1B

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
GASEOUS EFFLUENTS - ELEVATED RELEASES - CONTINUOUS MODE

Oconee Nuclear Station Units 1, 2, & 3
REPORT FOR 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 Ym

	1. Fission and Activation Gases					
3.82E+00	XE-133	Ci	3.34E-01	0.00E+00	2.73E+00	7.57E-01
1.13E+00	XE-135	Ci	3.90E-01	0.00E+00	7.42E-01	0.00E+00
4.95E+00	Totals for Period...	Ci	7.24E-01	0.00E+00	3.47E+00	7.57E-01

	2. Iodines					
4.05E-05	1-131	Ci	1.21E-06	3.49E-05	0.00E+00	4.44E-06
6.97E-05	1-133	Ci	2.77E-06	1.47E-05	5.23E-05	0.00E+00
1.10E-04	Totals for Period...	Ci	3.98E-06	4.96E-05	5.23E-05	4.44E-06

3. Particulates Half Life >= 8 days
** No Nuclide Activities **

	4. Tritium					
1.22E+02	H-3	Ci	4.76E+01	1.10E+01	2.44E+01	3.88E+01
1.22E+02	Totals for Period...	Ci	4.76E+01	1.10E+01	2.44E+01	3.89E+01

TABLE 1B

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
GASEOUS EFFLUENTS - ELEVATED RELEASES - BATCH MODE

Oconee Nuclear Station Units 1, 2, & 3
REPORT FOR 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 YEAR

1. Fission and Activation Gases						
9.59E-03	AR-41	Ci	1.58E-04	4.49E-03	4.94E-03	0.00E+00
1.36E-04	C-11	Ci	0.00E+00	0.00E+00	1.36E-04	0.00E+00
9.03E-01	KR-95	Ci	3.67E-01	5.36E-01	0.00E+00	0.00E+00
1.78E-06	KR-85N	ci	1.78E-06	0.00E+00	0.00E+00	0.00E+00
1.16E-02	XE-13~	Ci	1.10E-02	5.98E-04	0.00E+00	0.00E+00
1.98E+00	XE-133	Ci	1.05E+00	5.93E-01	2.39E-03	2.33E-01
5.97E-03	XE-133N	Ci	5.97E-03	0.00E+00	0.00E+00	0.00E+00
3.02E-02	XE-135	Ci	1.24E-02	1.28E-02	1.05E-04	4.90E-03
2.84E+00	Totals for Period...	Ci	1.45E+00	1.15E+00	7.57E-03	2.38E-01

2. Iodine.						
7.96E-07	1-131	Ci	4.28E-08	7.53E-07	0.00E+00	0.00E+00
1.52E-06	1-133	Ci	3.07E-08	1.49E-06	0.00E+00	0.00E+00
1.74E-08	1-135	ci	1.74E-08	0.00E+00	0.00E+00	0.00E+00
2.33E-06	Totals for Period...	Ci	9.09E-08	2.24E-06	0.00E+00	0.00E+00

3. Particulate. Half Life >= 8 days						
3.56E-10	CO-58	Ci	3.56E-10	0.00E+00	0.00E+00	0.00E+00
2.76E-08	CS-137	Ci	4.59E-09	2.30E-08	0.00E+00	0.00E+00
1.76E-07	K-d0	Ci	0.00E+00	1.76E-07	0.00E+00	0.00E+00
2.04E-07	Totals for Period...	Ci	4.95E-09	1.99E-07	0.00E+00	0.00E+00

4. Tritium						
1.30E-01	H-3	Ci	4.78E-02	5.77E-02	7.07E-03	1.73E-02
02	Totals for Period...					Ci 4.78E-

TABLE ic

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
GASEOUS EFFLUENTS - GROUND RELEASES - CONTINUOUS MODE

Oconee Nuclear Station Units 1, 2, & 3

REPORT FOR 2000		Unit	QTR 1	QTR 2	QTR 3	QTR 4	YEAR
1. Fis8iOn and Activation Ga8e8							
6.00E-01	C-li	Ci	0.00E+00	6.00E-01		0.00E+00	0.00E+00
8.14K-01	XE-133	Ci	8.14E-01	0.00E+00		0.00E+00	0.00E+00
1.41E+00	Total8 for Period...		Ci	8.14E-01	6.00E-01	0.00E+00	0.00E+00
2. lodinea							
3.56E-07	X-133	Ci	0.00E+00	0.00E+00	3.56E-07	0.00E+00	
3.56E-07	Totala for Period...		Ci	0.00E+00	0.00z+00	3.56E-07	0.00E+00
3. Particulatea Half Life >= 8 day.							
2.49E-06	~-110M	Ci	0.00E+00	0.00z+00		2.48E-06	0.00E+00
5.445-06	CO-58	Ci	0.005+00	0.005+00		5.445-06	0.005+00
2.90E-06	CS-137	Ci	0.005+00	9.445-08		1.295-07	2.695-06
2.695-06	Totals for Period...		Ci	0.00E+00		8.445-09	9.055-06
	1.095-05						
4. Tritium							
7.325+00	H-3	Ci	5.795-01	6.875-01		1.975+00	4.085+00
4.085+00	Totals for Period...		Ci	5.795-01		6.875-01	1.975+00
	7.325+00						

TABLE iC

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
GASEOUS EFFLUENTS - GROUND RELEASES - BATCH MODE

Oconee Nuclear Station Units 11 2, & 3
REPORT FOR 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 YEAR

1. Fission and Activation Gases							
** No Nuclide Activities **							
2. lodines							
1.16E-09	1-131	ci	0.00E+00		1.16E-09	0.00E+00	0.00E+00
1.83E-09	1-133	ci	0.00E+00		1.83E-09	0.00E+00	0.00E+00
2.99E-06	Totals for Period...		ci	0.00E+00	2.99E-08	0.00E+00	0.00E+00

3. Particulates Half Life >= 8 days					
	CE-141	ci	0.00E+00	5.23g-090.00E+00	0.00E+00
5.23E-09					
	cO-58	ci	0.00E+00	2.64E-080.00E+00	0.00E+00
2.64E-08					
	CS-137	ci	0.00E+00	5.15E-080.00E+00	2.07E-07
2.59E-07					
	TotaiB for Period...	ci	0.00E+009.31E-080.00E+00		2.07E-07
2.90E-07					

4. Tritium
 ** No Nuclide Activities **

TABLE 2A

EFFLUENT AND ~IASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 LIQUID EFFLUENTS - S~TION OF ALL RELEASES

Oconee Nuclear Station Units 1, 2, & 3						
REPORT For 2000	Unit	QTh 1	QTR 2	QTR 3	QTR 4	YEAR
A. Fission and Activation Products						
	1. Total Release	Ci	3.26E-022.90E-021.46E-02			4.16E-02
1.18E-01						
2. Average Diluted Concentration						
	a. Continuous Relea8e8 uCi/al	0.00E+00		0.00E+00		0.00E+00
0.00E+00						
	b. Batch Releases uCi/ml	1.93E-09		1.71E-09		9.64E-10
2.43E-09	1.73E-09					
B. Tritium						
	1. Total Release	Ci	3.21E+02		2.43E+02	1.30E+02
3.37E+02	1.03E+03					
2. Average Diluted Concentration						
	a. Continuous Releases uCils/l	1.47E-07		5.55E-08		4.09E-09
9.44E-09	9.45E-08					
	b. Batch Releases uCi/ul	1.69E-05		1.43E-05		7.56E-06
1.96E-05	1.51E-05					
C. Dissolved and Entrained Gases						
	1. Total Release	Ci	7.10E-03		1.61E-03	3.64E-04
4.92E-03	1.39E-02					
2. Average Diluted Concentration						
	a. Continuous Releases uCi/SI	0.00E+00		0.00E+00		0.00E+00
0.00E+00	0.00E+00					
	b. Batch Releases uCi/l	4.20E-10		9.52E-11		2.25E-11
2.92E-10	2.05E-10					
D. Gross Alpha Radioactivity						
	1. Total Release	Ci	0.00E+00		0.00E+00	0.00E+00
0.00E+00	0.00E+00					
2. Average Diluted Concentration						
	a. Continuous Releases uCilmi	0.00E+00		0.00E+00		0.00E+00
0.00E+00	0.00E+00					
	b. Batch Releases uCilmi	0.00E+00		0.00E+00		0.00E+00
0.00E+00	0.00E+00					
E. Volume of Liquid Waste						

1.50E+09	1. Continuous Releases	liters	3.61E+09	3.79E+09	2.19E+09	5.44E+09
1.26E+07	2. Batch Releases	liters	1.94E+06	3.93E+06	2.0E+06	3.92E+06
	F. Volume of Dilution Water					
6.50E+10	1. Continuous Releases	liters	1.69E+10	1.69E+10	1.71E+10	1.71E+10
6.50E+10	2. Batch Releases	liters	1.69E+10	1.69E+10	1.71E+10	1.71E+10

TABLE 2B

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 LIQUID EFFLUENTS - CONTINUOUS MODE

Oconee Nuclear Station Units 1, 2, & 3
 REPORT FOR 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 YEAR

	1. Fission and Activation	~a.ea				
	**	No Nuclide Activities	**			
	2. Tritium					
5.87E+00	H-3	Ci	2.54E+00	9.58E-01	7.0E-01	1.67E+00
5.97E+00	Total for Period...	Ci	2.54E+00	9.58E-01	7.0E-01	1.67E+00
	3. Dissolved and Entrained Gases					
	**	Radionuclide Activities	**			
	4. Gross Alpha Radioactivity					
	**	Radionuclide Activities	**			

TABLE 2B

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 LIQUID EFFLUENTS - BATCH MODE

Oconee Nuclear Station Units 1, 2, & 3
 REPORT FOR 2000 Unit QTR 1 QTR 2 QTR 3 QTR 4 YEAR

2.46E-02	1. Fission and Activation Gases					
	AG-hOM	Ci	2.53E-03	3.59E-03	3.93E-03	1.46E-02
8.93E-05	CO-57	Ci	0.0E+00	1.97E-05	1.74E-05	5.33E-05
6.50E-02	CO-58	Ci	2.22E-02	1.98E-02	7.95E-03	1.50E-02

B.01E-03	CO-60	Ci	6.19E-04	1.12E-03	7.72E-04	5.30E-03
1.90E-04	CR-51	Ci	0.00E+00	1.90E-04	0.00E+00	0.00E+00
9.17E-05	CS-134	Ci	1.92E-05	3.72E-05	0.00E+00	3.53E-05
4.74E-03	CS-137	Ci	6.29E-04	2.06E-03	3.92E-04	1.66E-03
2.17E-05	Nl-59	Ci	0.00E+00	2.17E-05	0.00E+00	0.00E+00
1.38E-05	1-131	Ci	0.00E+00	1.39E-05	0.00E+00	0.00E+00
5.51E-05	1-132	Ci	0.00E+00	5.51E-05	0.00E+00	0.00E+00
1.50E-04	MN-54	Ci	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1.37E-03	NE-95	Ci	1.37E-04	2.45E-04	1.09E-04	9.84E-04
2.32E-05	SB-124	Ci	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1.32E-02	SB-125	Ci	6.15E-03	1.67E-03	1.71E-03	3.63E-03
5.35E-05	TE-132	Ci	0.00E+00	3.99E-05	0.00E+00	1.46E-05
3.92E-05	ZN-69M	Ci	0.00E+00	3.92E-05	0.00E+00	0.00E+00
2.77E-04	ZR-95	Ci	1.16E-04	2.93E-05	0.00E+00	1.30E-04
1.19E-01	Totals for Period...	Ci	3.26E-02	2.89E-02	1.46E-02	4.15E-02

2. Tritium

1.02E+03	H-3	Ci	3.19E+02	2.42E+02	1.29E+02	3.36E+02
3.36E+02	Totals for Period...	Ci	3.18E+02		2.42E+02	1.29E+02

3. Dissolved and Entrained Gases

3.12E-03	KR-95	Ci	0.00E+00	0.00E+00	0.00E+00	3.12E-03
7.97E-06	KR-95M	Ci	0.00E+00	7.97E-06	0.00E+00	0.00E+00
1.05E-02	XE-133	Ci	7.05E-03	1.56E-03	3.44E-04	1.57E-03
2.58E-04	XE-135	Ci	5.42E-05	3.63E-05	4.04E-05	1.27E-04
1.39E-02	Totals for Period...	Ci	7.10E-03	1.60E-03	3.84E-04	4.92E-03

4. Gross Alpha Radioactivity

** No Nuclide Activities **
 OCONEE NUCLEAR STATJON

SUPPLEMENTAL INFORMATION

OCONEE NUCLEAR STATION

2000 EFFLUENT AND WASTE DISPOSAL SUPPLEMENTAL INFORMATION

- I. REGULATORY LIMITS - STATION
- A. NOBLE GASES - AIR DOSE
- DOSE
1. CALENDAR QUARTER - TOTAL BODY DOSE - 4.5 WREM
- OR - DOSE - 15 MEEM
- TOTAL BODY DOSE - 9 MEEM
- OR - DOSE - 30 MEEM
- B. LIQUID EFFLUENTS -
- MRAD
2. CALENDAR QUARTER
3. CALENDAR YEAR
4. CALI - YEAR -
- C. IODINE - 131 AND 133, TRITIUM, PARTICULATES W/T 1/2 > 5 DAYS -
- OROAN DOSE
1. CALENDAR QUARTER - 22.5 MEEM
2. CALENDAR YEAR - 45 MEEM

II. MAXIMUM PERMISSIBLE EFFLUENT CONCENTRATIONS

- A. GASEOUS EFFLUENTS - INFORMATION FOUND IN ON-SITE 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 OFF-SITE DOSE CALCULATION MANUAL

V. BATCH RELEASES

A. LIQUID EFFLUENT

1. $2.37E+02$ - TOTAL NUMBER OF BATCH RELEASES
2. $2.79E+04$ - TOTAL TIME (MIN.) FOR BATCH RELEASES.
3. $3.10E+02$ - MAXIMUM TIME (MIN.) FOR A BATCH RELEASE.
4. $1.19E+02$ - AVERAGE TIME (MIN.) FOR A BATCH RELEASE.
5. $1.50E+01$ - MINIMUM TIME (MIN.) FOR A BATCH RELEASE.
6. $3.41E+04$ - AVERAGE DILUTION FACTOR DURING RELEASES (QPM).

B. GASEOUS EFFLUENT

1. $4.90E+01$ - TOTAL NUMBER OF BATCH RELEASES.
2. $1.07E+05$ - TOTAL TIME (MIN.) FOR BATCH RELEASES.

3. 3.92E+04 - MAXIMUM TIME (MIN.) FOR A BATCH RELEASE.
4. 2.19E+03 - AVERAGE TIME (MIN.) FOR A BATCH RELEASE.
5. 5.00E+01 - 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:

ISOTOPE	ENERGY (Kev)	AVERAGE MDA
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 + 25.2%. 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 = i20%
- (2) Counting error - +15%
- (3) Sample preparation error = i 3%

OCONEE NUCLEAR STATION

UNPLANNED RELEASES

(January 1~ 2000 through December 31, 2000)

There were no unplanned gaseous or liquid radioactivity releases to the

environment in 2000.

OCONEE NUCLEAR STATION

Assessment of Radiation Dose from Radioactive Effluents

to Members of the Public

(January 1, 2000 through December 31, 2000)

This attachment includes an assessment of radiation doses to the maximum exposed member of the public due to radioactive liquid and gaseous effluents released from the site for each calendar quarter for the calendar year of this report, as well as the total dose for the calendar year. This attachment also includes an assessment of radiation doses to the maximum exposed member of the public from all uranium fuel cycle sources within 10 miles of Oconee for the calendar year of this report to show conformance with 40 CFR 190. Methods for calculating the dose contribution from liquid and gaseous effluents are given in the ODCM.

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 ~SEOUS ANNUAL DOSE SUMMRRY REPORT

Oconee Nuclear Station Units 1, 2, & 3

1st Quarter 2000

IODI~IE, H3, and PARTICULATE DOSE LIMIT ANALYSIS--- Quarter 1 2000

Period-Limit	Age	Critical Organ	Critical Area	Dose (area)	Limit	~ % of
Qi - ~isum	Organ Doae	CHILD	THXRDID	1.34E-02	2.251+01	5.941-

02

Maximum Organ Dose Receptor Location: 1.0 Mile SW
 Critical Pathway: Vegetation

Major Zootopic Contributors (5% or greater to total)

clide	Percentage
H-3	9.981+01

NOPIE ' :aS DOSE L~T AN~LYSIS~~~ Quarter 1 2000

Period-Limit	Location	Dose (arad)	Limit	% of Limit
Q1 - Mazimim	amma Air nose	1.171-04	1.501+01	7.831-04

Maximum Gamma Air Dose Receptor Location: 1.0 Mile 551

Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 XE-133 6.991+01
 XE-135 2.961+01
 Qi - Maximum Beta Air Dose 3.221-04 3.001+01 1.071-03

Maximum Beta Air Dose Receptor Location: 1.0 Mile 881

Major Contributors (5% or greater to total)
 Nuclide Percentage
 XE-133 7.591+01
 XE-135 1.391+01
 KR-95 1.001+01

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 ~EOUS ANNUAL DOSE S~Y REPORT

Oconee Nuclear Station Units 11 2, & 3

2~ Quarter 2000

IODINE, 113, and PA~TICUIATE DOSE LI"IT AW~LYSIS~ Quarter 2 2000
 Critical CriticalDo8e Limit Max % of
 Period-Limit Age Organ(mrea)(mrea) Limit
 Q2 - Mazi~~ Organ Do.. CHILD THYROID 4.15E-03 2.25E+01 1.95E-

02

Maxim Organ Do.. Receptor Location: 1.0 Mile SW
 Critical Patnvay: vegetation

Major I.otopic Contributor. (5% or greater to total)
 Nuclide Percentage
 11-3 9.34E+01
 1-131 1.63E+01
 NOBLE QLS DOSE LIH'IT ANALYSIS Quarter 2 2000
 Do..Limit % of
 Period-Limit (~ad)('arad)Limit
 Q2 - Maxim Qama Air Douc 1.51K-OS 1.SOE+01 1.01E-04

Maxim Qaema Air Do.. Receptor Location: 1.0 Mile SW

Major I.otopic Contributor. (5% or greater to total)
 Nuclide Percentage
 XE-133 7.34E+01
 AR-41 1.47E+01
 XE-135 S.65E+00
 Q2 - Maxim Beta Air Do.. 9.09K-OS 3.00E+01 3.03E-04

Maxim Beta Air Do.. Receptor Location: 1.0 Mile SW

Major Contributor. (5% or greater to total)
 Nuclide Percentage
 ~-95 6.10E+01
 XE-133 3.63E+01

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 G~SEOUS ANNUAL DOSE SUMMARY REPORT

Oconee Nuclear Station Units 1, 2, & 3

3rd Quarter 2000

ZCDflIE, H3, and PARTXCUL~TE DOSE LIMIT ANALYSIS~ Quarter 3 2000
 Critical Critical Dome Limit ~ % of
 Period-Limit Age Organ(area)(area) Limit

02

Q3 - Maxiu~ Organ Dome CHILD THYROID 7.98E-03 2.25E+01 3.55E-

Maxiauu Organ Dome Receptor Location: 1.0 Hile SW
 Critical Patnvay: Vegetation

~jor Imotopic Contrioutorm (5% or greater to total)
 Nuclide Percentage
 H-3 9.96E+01

NOBLE ~ DOSE LIMIT ANALYSIS~----- Quarter 3 2000
 Dome Limit % of
 Period-Limit (arad) (arad) Limit
 Q3 - Mazi~u~ ~amma Air Dome 1.29E-04 1.50E+01 8.61E-04

MLxinurn caaaa Air Dome Receptor Location: 1.0 Mile SW

Major Imotopic Contributorm (5% or greater to total)
 Nuclide Percentage
 XE-135 5.95E+01
 x'-133 3.96E+01
 Q3 - Maxiuurn Beta Air Dome 2.50E-04 3.00E+01 8.32E-04

Mazimim Beta Air Dome Receptor Location: 1.0 Mile SW

Major Contributorm (5% or greater to total)
 Nuclide Percentage
 XE-133 6.09E+01
 x'-135 3.97E+01

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 GASEOUS ANNUAL DOSE S~Y REPORT

Oconee Nuclear Station Units 1, 2, & 3

~th Quarter 2000

IODINE, H3, and PARTIC'LLaTE DOSE LIMIT ANALYSIS~ Quarter 4 2000

Period-Limit	Critical Age	Critical Organ	Dose (arm)	Limit (arm)	Limit	Max % of Limit
Q4 - Maximum Organ Dose		CHILD	THYROID	1.34E-02	2.25E+01	

5.95E-02

Maximum Organ Dose Receptor Location: 1.0 Mile SW
 Critical Pathway: Vegetation

Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 H-3 9.92E+01

NOBLE Q&B DOSE LIMIT ANALYSIS--- Quarter 4 2000

Period-Limit	Dose (inrad)	Limit (arad)	% of LQ4 - Maximum Gamma Air
	1.90E-05	1.50E+01	1.27E-04

Dose

Maximum Gamma Air Dose Receptor Location: 1.0 Mile SW

Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 XE-133 9.74E+01
 Q4 - Maximum Beta Air Dose
 5.57K-OS 3.00E+01 1.96E-04

Maximum Beta Air Dose Receptor Location: 1.0 Mile SW

Major Contributors (5% or greater to total)
 Nuclide Percentage
 X-133 9.99E+01

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 GASEOUS ANNUAL DOSE SUMMARY REPORT

Oconee Nuclear Station Units 1, 2, & 3

ANNUAL 2000

IODINE, H3, and PARTICULATE DOSE LIMIT ANALYSIS----- Annual 2000

Period-Limit	Critical Age	Critical Organ	DOUG (Urea)	Limit ('srea)	Max % of Limit
Yr - Maximum Organ DOUG		CHILD	THYROID	3.99E-02	4.50E+01 9.64E-01

02

Maximum Organ Dose Receptor Location: 1.0 Mile SW
 Critical Pathway: Vegetation

Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 K-3 9.78E+01

NOBLE QLS DOSE LIMIT ANALYSIS - Annual 2000

Period-Limit	Dose (-rad)	Limit (-rad)	% of Limit
Yr - Maximum Gamma Air Dose	2.69E-04	3.00E+01	9.94E-04

Maximum c-a Air Dose Receptor Location: 1.0 Mile SW

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage

XE-133 5.375+01

XE-135 4.415+01

Yr - Maximum Beta Air Dose 6.765-04 6.005+01 1.135-03

Maximum Beta Air Dose Receptor Location: 1.0 Mile SW

Major Contributor (5% or greater to total)

Nuclide Percentage

XE-133 6.345+01

XE-135 2.245+01

KR-95 1.395+01

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
LIQUID ANNUAL DOSE SUMMARY REPORT

Oconee Nuclear Station Units 1, 2, & 3

1st Quarter 2000

PATCH LIQUID RELEASES ----- Quarter 1 2000

Period-Limit	Age	Organ	Critical Dose	Limit	Max % of
Q1 - Maximum Organ Dose	TEEN	LIVER	5.44E-02	1.50E+01	3.63E-01
Q1 - Total Body Dose		ADULT	3.93E-02	4.50E+00	9.74E-01

Maximum Organ

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage

CS-137 9.14E+01

H-3 1.32E+01

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage

CS-137 7.06E+01

H-3 2.37E+01

CONTINUOUS LIQUID RELEASES (CTP 3) ----- Quarter 1 2000

Period-Limit	Age	Organ	Critical Dose	Limit	Max % of
Q1 - Maximum Organ Dose	ADULT	LIVER	7.30E-05	1~50E+01	4.87E-04
Q1 - Total Body Dose		ADULT	7.30E-05	4~50E+00	1.62E-03

Maximum Organ

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage

H-3 1.00E+02

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage
H-3 1.00E+02

EFFLUENT AND ~STE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
LIQUID ANNUAL DOSE SUMMARY REPORT

Oconee Nuclear Station Units 1, 2, & 3

2~ Quarter 2000

BATCH LIQUID RELEASES ----- Quarter 2 2000

Period-Limit	Age	Critical Organ	Critical Dose (area)	Limit	Limit	Max % of
Q2 - Maximum Organ Dose		TEEN	LIVER	1.553-01	1.503+01	1.04E+00
Q2 - Total Body Dose			ADULT	1.023-01	4.503+00	2.26E+00

Maximum Organ

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage
CS-137 9.333+01

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage
CS-137 9.953+01
H-3 6.993+00

CONTINUOUS LIQUID RELEASES (CTP 3) Quarter 2 2000 -

Period-Limit	Age	Critical Organ	Critical Dose (area)	Limit	Limit	Max % of
Q2 - Maximum Organ Dose		ADULT	LIVER	2.753-05	1.503+01	1.933-04
Q2 - Total Body Dose			ADULT	2.753-05	4.503+00	6.113-04

Maximum Organ

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage
11-3 1.003+02

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide Percentage
11-3 1.003+02

EFFLUENT AND ~STE DISPOSAL ANNUAL REPORT
PERIOD 1/1/00 TO 1/1/01
LIQUID ANNUAL DOSE SUMMARY REPORT

Oconee Nuclear Station Units 1, 2, & 3

3rd Quarter 2000

BATCH LIQUID RELEASES ----- Quarter 3 2000

Period-Limit	Age	Critical Organ	Critical Dose (area)	Limit	Limit	Max % of
--------------	-----	----------------	----------------------	-------	-------	----------

Period-Limit	Age	Organ(area)(urea)	Limit
Q3 - M~xiu Organ Dole	TEEN	LIVER	3.15E-02 1~50E+01 210E-01
Q3 - Total Body Dole		ADULT	2.15E-02 4~50E+00 4.79E-01

Mazisua Organ

Critical Pathway: Fresh Water Fish

Wajor Isotopic Contributors (5% or greater to total)

Nuclide	Percentage
CS-137	9.7~E+01
H-3	9.26E+00

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide	Percentage
CS-137	8.0SE+01
H-3	1.76E+01

CONTINUOUS LIQUID RELRASES (CTP 3) Quarter 3 2000 -

Period-Limit	Age	Organ(urea)(urea)	Limit	Max % of
Q3 - Maxisua Organ Dole	ADULT	LIVER	2.05E-05 1.SOE+01	1.37E-04
Q3 - Total Body Dose	ADULT		2.05E-05 4.50E+00	4.55E-04

Waxiaua Organ

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclids	Percentage
K-3	1.00E+02

Total Body

Critical Pathway: Fresh Water Fish

Major Isotopic Contributors (5% or greater to total)

Nuclide	Percentage
H-3	1.00E+02

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 LIQUID ANNUAL DOSE S~Y REPORT

Oconee Nuclear Station Units 1, 2, & 3

4~ Quarter 2000

- RATCH LIQUID RELKASES - Quarter 4 2000

Period-Limit	Age	Organ(Brm)(area)	Limit	~ % of
Q4 - Mazjmirn Organ Dose	ADULT	cILLI	1.901-01 1.501+01	1.261+00
Q4 - Total Body Dose		ADULT	9.761-02 4.501+00	1.95E+00

Maximum Organ

Critical Patnvay: Fresh Water Fish

~jor Isotopic Contributors (5% or greater to total)

Nuclide	Percentage
NB-95	9.911+01
H-3	5.191+00

Total Body

Critical Patnvay: Fresh Water Fish

~jor Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 CS-137 8.391+01
 H-3 1.121+01

- CONTINUOUS LIQUID RELEASES (CTP 3) ~---- Quarter 4 2000 -
 Critical CriticalDose Limit ~ % of
 Period-Limit Age Organ(area)(area) Limit
 Q4 - Maxizum Organ Dose ADULT LIVER 4.731-05 1.501+01 3.151-04
 Q4 - Total Body Dose ADULT 4.731-05 4.501+00 1.051-03

Maximum Organ
 Critical Pathway: Fresh Water Fish
 Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 H-3 1.001+02

Total Body
 Critical Pathway: Fresh Water Fish
 Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 5-3 1.001+02

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
 PERIOD 1/1/00 TO 1/1/01
 LIQUID ANNUAL DOSE SUMMRRY REPORT

Oconee Nuclear Station Units 1, 2, & 3

ANNUAL 2000

BATC~ LIQUID RELEASES --- Annual 2000
 Critical CriticalDose Limit Max % of
 Period-Limit Age Organ(urea)(arm) L~t
 Yr - ~axifll~ Organ Dose TEEN LIVER 3.74E-01 3.00E+01 1~25E+00
 Yr - Total Body D08C ADULT 2.50E-01 9.0QE+00 2.78E+00

Maximim Organ
 Critical Pathway: Fresh Water Fish
 MRjor Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 CS-137 9~93E+01
 6~1SE+00

Total Body
 Critical Pathway: Fresh Water Fish
 Major Isotopic Contributors (5% or greater to total)
 Nuclide Percentage
 CS-13? 9~38E+01
 1.20E+01

COHT~OUS LIQUID RELEASES (CTP 3) Annual 2000
 Critical Critical Dose Limit Max % of
 Period-Limit Age Organ (arm) (arm) Limit
 Yr - Maximum Organ Do8e ADULT LIVER 1.69E-04 3.00E+01 5.61E-04
 Yr - Total Body Dose ADULT 1.69E-04 9.00E+00 1.97E-03

6)	.1	.1	)-E-	.1	.1	.1	8)	I	.1	.1	.1	.1	2)
			I					+	+	+	++	+	+
+	+		+	+									
	.1	.1	1-ESE-					I	.1	.1	.1	1)	2)
		6)										3)	.1
			I					+	+	+	+	+	+
+	+	I											
	.1	2)	I-SE-					I	.1	.1	1)	.1	.1
												1	.1
+	+	I						+	+		+	+	+
	.1	6)	j-SSE-					I	.1	.1	.1	1	4)
												1)	.1
+	+		+	+	+	+	+	+	+	+	+	+	+
	.1	9)	I-S					I	.1	.1	.14)	4)	1)
													.1
+	+		+	+	+	+	+	+	+	+	+	+	+
	.1	62)	)-SSW-					I	.1	.1	1)	3)	16)
													27)
+	+		I					+	+	+	+	+	+
	.1	90)	I-SW-					I	I	.1	4)	6)	14)
													39)
+	+		I					+	+	+	+	+	+
	.1	49)	)-WSW-					)	1)	.1	4)	7)	9)
													14)
+	+		I					+	++		+	+	+
	.1	18)	-WEW-					I	.1	.1	3)	4)	4)
													.1
+	+	I	I					+	+	+	+	+	+
	.1	18)	I-NW-					I	.1	.1	3)	6)	2)
													1)
+	+	I	I					+	+	+	+	+	+
	.1	6)	I -NUW-					I	I	I	1)	.	I
													3)
+	+	I	I					+	+	+	+	+	+
	.1	13)	ITOTAL					I	1)	4)	22)	47)	91)
													125)
10)	2)	385)											52)
													18)
													13)

10CONEE NUCLEAR STN. METEOROLOGY (2000} PROO-XOQFREQ 15:40 Friday,
 March 9, 2001
 3

LOM WIND SPEED/DIRECTION/DELTA-T STABILITY
 STABILITY CLASSES BASED ON DELTA-T BETWEEN UPPER-LOWER
 LEVELS


```

      I
.1 .1 61 ~I '31 221 51 41 3I 21 'I 631
+      I
+      I
31 .1 251 l-W I.1 31 61 31 51 'I 21 'I 'I
+      I
+      I
81 .1 311 I I .1 .1 4j 31 4I 31 ii 21 61
+      I
+      I
.1 .1 'SI I-NW- I .1 .1 21 41 51 .1 21 'I 'I
+      I
+      I
I I 81 I -NNW- I I I 'I 31 41 I I I I
+      I
+      I
131 ii 4851 ITOTAL I 1I 101 391 611 109j 1571 551 231 161
March 9, 2001 10CONEE NUCLEAR STN. METEOROLOGY (2000) PROG=XOQFREQ 15:40 Friday,
4

```

1CM WIND SPEED/DIRECTION/DELTA-T STABILITY
 STABILITY CLASSES BASED ON DELTA-T BETWEEN UPPER-LOWER

LEVELS

PASQUILL STABILITY D

WIND SPEED CLASS

```

I I
)4.00-) 5.00-) 6.00-) 8.00-) I0.45-)0.75-) 1.00-)1.25-)1.50-)2.00-)3.00-
0.74 )0.99 ) 1.24 )1.49 )1.99 )2.99 )3.99
I4.99 I 5.99 I 7.99 I 9.99 )TOTAL
+ + + + + + + +
) NO. ) NO. ) NO. ) NO. ) NO. ) NO. ) NO. ) NO. ) NO.
) NO. ) NO. ) NO. ) NO. ) NO. ) NO.
+ I
+ I
I I I I I I I I I I
I I I I I I I I I I
22) 6) 1) 4) 24) 23) 24) 15)
. ) 120) 1)
+ + + + + + + +
+ + +

```


6) 7) 2) 2))-NNW-
.1 112)

) 5) 34) 28) 15) 13)

.1 31 I-CALM- I 31 .1 .1 .1 .1 .1 .1 .1
 + I I + + + + + + + +
 TOTAL I

16816551 5131 4481 5091 2541 751 231 71 26521
 10CONEE NUCLEAR STN. METEOROLOGY (2000) PROCzXOQFREQ 15:40 Friday,
 March 9, 2001
 6

1CM WIND SPEED/DIRECTION/DELTA-T STABILITY
 STABILITY CLASSES BASED ON DELTA-T BETWEEN UPPER-LOWER

LEVELS

PASQUILL STABILITY F

WIND SPEED CLASS				I		I	
I	0.45-I	0.75-I	1.00-I	1.25-I	1.50-I	2.00-I	3.00-I
I	I 0~74		0.99	1.24		1.49	
1.99	2.99	3.99	TOTAL	I	+	+	+
NO.	I NO.	NO.	I NO.	NO.	NO.	NO.	NO.
		I		+	+	+	+
		I SECTOR		I	I	I	I
		I		I	I	I	I
		I-N		I	21	41	.1
91				I	21	31	.1
		I		+	+	+	+
		I		+	+	+	+
		I-ENE-		I	.1	11	21
.1	.1	51		I	.1	11	21
		I-E-		I	.1	.1	ii
61				I	.1	.1	.1
		I-ESE-		I	.1	.1	.1
.1141							
		I-SE-					
		I	.1				
		I	.1				
		I-SSE-					
	ii	21	ii	31	.1		
	ii					81	
		I-S		I	21	31	11
71				I	21	31	11

.1	.1	3781	I -NNW-	I281	1151	821	741	491	161	81	41	21
			I	+	+	+	+	+	+	+	+	+
+	+		I									
.1	.1	61	I-CALM-	I 61	.1	.1	.1	.1	.1	.1	.1	.1
			I	+	+	+	+	+	+	+	+	+
+	+		I									
			ITOTAL	I28511122110531114111643118681~57I3541								
14211001		10184751										

Attachment 2

Oconee Nuclear Site

Solid Waste Disposal Report

OCONEE NUCLEAR STATION

ANNUAL RADWASTE REPORT

1/8(01

DUKE POWER COMPANY

OCONEE NUCLEAR STATION

SOLID RADIOACTIVE WASTE SHIPPED TO A DISPOSAL

FACILITY

REPORT PERIOD: JANUARY - DECEMBER YEAR:

2000

TOTAL

CONTAINER	BURIAL VOLUME	ACTIVITY	NUMBER OF SHIPMENTS	NUMBER OF CONTAINERS	WASTE CLASS
TYPE	CU. FT.	CU. M.		SA-U	A-S B C
1) WASTE FROM LIQUID SYSTEM					
(A)					
0	0	0	STC	1,010.0	28.60
				DEWATERED POWDEX RESIN	2 2
				4.44	
0	5	0	TYPENB	601.5	17.03
				365A9	5 5 0
0.0	0.00	0~00		0	0 0 0 0
(C) EVAPORATOR CONCENTRATES					
(D) DEWATERED MECHANICAL FILTERS					
1. PRIMARY FILTER MEDIA					
120.3	3.41	3529		1	1
				0	0 0 0 1 TYPENB
2. SECONDARY FILTER MEDIA					
31.4	0.89	0.01		1	1
				1	0 0 0 0 STC
(E)					
0	0	1	1	TYPE A	240f 6.81 63.00
				DEWATERED DEMINERALIZERS	2 2
(F) SOLIDIFIED (CEME~ OIL, ACIDS, SLUDGES)					
0.0	0.00	0.00		0	0
				0	0 0 0 0 STC
2) DRY SOLID WASTE					
(A) DRY ACTIVE WASTE (COMPACTED) (1)					
2,458.0	69.60	992.97		76	76 76 0 0 0
				(2)	9 9 9 0 0 0 STC
1,927.9	54.59	23.11			

	(B) DRY ACTIVE WASTE (NON-COMPACTED)	1		3	0	0	3	0		TYPE
A	30.6	0.87	3.98							
	(C) DRY ACTIVE WASTE (BROKERED)	0		0	0	0	0			
0.0	0.00	0.00								
	(D) IRRADIATED COMPONENTS	6		6	0	6	0	0		TYPE
A	1442	4.08	18.21							
	TOTAL			103	105	88	6	9	2	
6,5645	185.89	1,50651								

NOTE: (1) SHIPMENTS FROM SEG TO CNSI @ BARNWELL (DAW)
(2) SHIPMENTS FROM METAL DECON FACILITY TO CNSI @ BARNWELL
* SHIPMENTS MADE FROM OTHER COMPANYS SO INFORMATION IS NOT KNOWN

R.port

OCONEE NUCLEAR STA~N SOLID RADWASTE REPORT
REPORT PERIOD: JANUAIYY - DECEMBER
WASTE TYPE: POWDEX RESIN

ATG	3	# OF LINERS SHIPPED TO ATO		9	1 OF S~PMENTS TO			
ISOTOFE	% ABUNDANC~LI	HERI	OF LINERS SHIPPED TO E~ROOARE	2I	OF S~PMENTS TO E~RocARE	2	TOTAL	AYE.
CR-si	0.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00							
MN-54000	000 0000.000.00	000	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
~57	000 000 0000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00							
C058	517173412420.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.93
	11.64							
GO~800401	89 2340.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.62
	1.54							
NB95	000 000 0000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00							
ZR-95000	000 0000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00							
~134	000 040 0000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
	0.13							

0.000.00	TRU	0.000.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0.000.00	FE-590	0.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0.000.00	SB-124	0.000.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0.000.00	RU-106	0.000.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0.000.00	CE-144	0.001.090.540.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00	0.00	0.00	0.00	1.62	0.000.000.00	0.00
		0.54							
0.000.00	TE-132	0.000.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0.000.00		0.000.000.000.000.00	0.00	0.00	0.00	0.00	0.00	0.000.000.00	0.00
0.000.00		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	0.000.000.00	0.00
		0.00							
0	0	TOTAL100 100 100	0	0	0	0	0	0	0
0	0	0299.9999100.00							
0	0	CLASS C0	0	0	0	0	0	0	0
0	0	0 0							
0	0	CLASS B0	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	CLASS AU	1	0	0	1	0	0	0
0	0	0 0							
0	00	CURIES4.0780	0	0.3661	0	0	0	0	0
0	00	4.4441							
0	00	CU. FT.573	0	0	437	0	0	0	0
0	00	1010							
0	00	CU. M16.2260	0	12.375	0	0	0	0	0
0	00	28.80056							
		RSR#	00-2011	002035	002053	99.2064			

Report

OCONEE NUCLEAR STATION SOUD RADWASTE REPORT
 REPORT PERIOD: JANUARY - DECEMBER
 WASTE TYPE: COMPACTED DAW (GTS)
 # OF SHIPMENTS FROM ONS TO GTS 9 # OF CONTAINERS FROM ONS TO OTS14
 # OF SHIPMENTS FROM PROCESSOR TO CNSI/ENVIROCARE 16 # OF CONTAINERS FROM
 PROCESSOR TO CNSI/ENVIROCARE 76

DISPOSAL	Cu. FT..	CURES	CU. FT.	DISPOSAL	CITO
COMPLETED	RSR#	SHIPPED	SHIPPED	FACILITY	FACLFFY
	00-2003		2000	1.14	83.58 1.138
	992045		0	0.00	0.44 0.024
	992050		0	0.00	88.16 0.738
	992055		0	0.00	110.34 983.033
	992019		0	0.00	54.30 0.006
	952056	us~~y	0	0.00	57.35 0.007
	992011	~Tk(DA~	0	0.00	18.40 0.270
	992018M	~TAL~DA~	0	0.00	12.85 0.035
	992031	~	0	0.00	64.13 0.002
	992046	~	0	0.00	8.20 0.00051
	992009	~	0	0.00	0.43 0.003
	00-2017		2000	1.46	94.62 0.517
	00-2019		2000	0.36	99.47 1.027
	00-2040	RUBALE	600	0.000001	0.00 0.000
	00-2041	RU~E	600	0.000008	245.30 0.0000033
	00-2042	RU~6LE	600	0.000009	0.00 0.000
	00-2014	2000	0.49	45.13	0.196
	00-2043		2000	0.23	71.30 0.084
	00-2045	RU~E	600	0.0000033	0.00 0.000
	00-2046	RU~E	600	0.000010	0.00 0.000
	00-2047	RUE~LE	600	0.000012	0.00 0.000
	992032	~TAL(DA~	0	0.00	1.10 0.00012
	00-2049	1000	0.0020	0.00	0.000
	00-2022	METAL~E~A~	0	0.00	33.40 0.115
	992062	~	0	0.00	557.46 0.0383800
	992063	~	0	0.00	20.90 0.000384
	00-2055	2000	0.022	74.70	3.905
	00-2056	~~TAL&UAW	180	0.002	3.20 0.00003
	992051	~TAL~A~	0	0.00	310.61 0.02
	992054	METAL~~	0	0.00	179.74 0.003216
	00-2050	2000	0.08	40	0.009611
	00-2004	~	0	0.00	75.58 0.0018
	992041	~	0	0.00107.2	1.793357
	00-2058	1946.6	0.43	0	0
	TOTAL	20726.6	4.211	2458.00	992.971
	TOTAL CURIES BURIED				992.971
	TOTAL CUBIC FEET BURIED				2458.00
	TOTAL CUBIC METERS				69.60

0 0 0 CU. FT.120.3 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 00 120.3
 0 0 0 CU. M3.406561 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 00 3.4056 ~
 RSR#00-2032

Report

CCONEE NUCLEAR STATION SOLID RADWASTE REPORT
 REPORT PERIOD: JANUARY - DECEMBER
 WASTE TYPE: SECONDARY FILTERS
 #OFCOFFTA~ERS\$HIFFE TO OTS I U OF
 cO~rrA~~Rs SHIPP~D 10 CNSIENV~ROOARE 1
 OF SHI~STs TO 018 I OF SHIPM111~ TO OUUIIIE~MROCARE
 tsoTOPE.
 TOTAL AVE
 CR-51 0.00 000 0.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 000 0.00
 MN-54 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 C~57Q00 0.000.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00
 C058 0.00 0.00000 0.000.000.00 0.000.00 000
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 CO~O 0.00 0.310.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.31 0.31
 NR96 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 ZR--~000 0.000.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00
 CS134 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 RU-1030.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 ACliOm0.00 0.230.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.23 0.23
 50-1250.00 0.000.000.000.000.00 0.000.00 0.00
 0000.000.000.000.000.000.000.00 0.00 0.00 000
 ~131 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.00 0.00
 C~137 0.00 0.520.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 0.52 0.52
 H-s 0.00 89.110.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 000 89.71 89.71
 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.000.000.000.00 0.00 000 0.00
 FE-55 0.00 9.080.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.00 0000.000.000.00 0.00 9.08 ~08
 SR-90 0.00 0.000.000.000.000.00 0.000.00 0.00
 0.000.000.000.000.00 0000000.000.00 0.00 000 0.00

Report

OCONEE NUCLEAR STATION SCUD RADWASTE REPORT
 REPORT PERIOD: JANUARY - DECEMBER
 WASTE TYPE: SOUDIFIED (CEMENT) OIL, ACIDS, SLUDGES
 • OF CONTAINERS SHIPPED

0

~TOPE: % ABUNOANCELINER # OF SHIPMENTS 0
 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	0.00	0.00	0.00	0.00
	0.00	0.00	#DIV/O'.									
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	0.00	0.00	0.00	0.00
	0.00	0.00	#DIVIO!									
C~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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIVIO!			
	0.00	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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/OI			
C~60	0.00	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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/O!			
N~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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIVIO!			
ZR-9S	0.00	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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/O!			
C5134	0.00	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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/O!			
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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIVIO!			
AG-hOrn	0.00	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	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/OI			

Attachment 3

Oconee Nuclear Site

Inoperable Monitoring Equipment
OCONEE NUCLEAR SITE

There were no RADIOACTIVE GASLIQUID MONITORS inoperable for greater than 30 days.

Attachment 4

Oconee Nuclear Site

ODCM I PCP Manual Changes
OCONEE NUCLEAR SITE

pCP
Manual

transmitted to the

Revision 11 was made to the Oconee Process Control Program (PCP) during the previous reporting period and was Document Control Desk on June 23 2000

ODCM
Calculation Manual

the Document

The following revisions were made to the Offste Dose (ODCM) during this reporting period and were transmitted to Control Desk on January 31 2000:

Revision 43 Generic Section
Rev~sion 40 Oconee Nuclear Station