AUG 26 1977

DISTRIBUTION
Dockets
NRC PDR
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ORB#1 Reading
ASchwencer
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DNeighbors
OELD
OI&E(3)
DEisenhut
KParrish
TBAbernathy
JRBuchanan
ACRS(16)

Docket No. ~~50-269~~ 50-270 and 50-287

Licensee
RE: OCONEE NUCLEAR STATION, UNITS 1, 2 & 3

Gentlemen:

The NRC is presently preparing a summary of radioactive effluents released from commercial nuclear power plants during 1976. The report will be similar to NUREG-0218, "Radioactive Materials Released from Nuclear Power Plants (1975)".

In order to verify the accuracy of the information before its publication, a draft copy of the data with respect to your plant(s) is enclosed for your review. We would appreciate receiving your comments and suggested changes by September 16, 1977. If there are changes to the enclosure that result from other than our transcription error, we request that you file an amendment to your semi-annual reports which includes a reason for the change. Also, please provide answers to any questions attached to or on the enclosed data sheets, the name and telephone number of the individual we should contact in the event that we find it necessary to clarify your comments in answer to this request. Please provide a written response even if no changes to the data are required. Responses should be addressed to:

U. S. Nuclear Regulatory Commission
Office of Management Information & Program Control
Operating Data Branch, 12105 MNBB
Washington, D. C. 20555

Any questions should be referred to T. R. Decker (301-492-7735). A copy of the final report will be sent to you.

Sincerely,

/S/

Albert Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Draft Copy of Data

misc 4

OFFICE	DOR:ORB#1	DOR:ORB#3	DOR:ORB#1			
SURNAME	DNeighbors:lb	KParrish	ASchwencer			
DATE	8/26/77	8/ /77	8/ /77			

NRC FORM 318 (9-76) NRCM 0240 ☆ U.S. GOVERNMENT PRINTING OFFICE: 1976—626-624

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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and 50-287

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Sincerely,

Albert Schwencer

Albert Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Draft Copy of Data

cc w/enclosure:
See next page

cc: Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esquire
DeBevoise & Liberman
700 Shoreham Building
806-15th Street, NW.,
Washington, D.C. 20005

Oconee Public Library
201 South Spring Street
Walhalla, South Carolina 29691

FACILITY: OCONEE 1,2&3

TYPE: PWR

LOCATION: 30 MI W GREENVILLE SC

COOLING WATER SOURCE: KEOWEE LAKE

DOCKET NO: 50-269/270/287

LICENSED POWER (MWT):	2568.0	2568.0	2568.0
INITIAL CRITICALITY:	04/19/73	11/11/73	09/05/74

OPERATION

GROSS THERMAL GENERATION	12161569.0	13093303.0	14450167.0	MWHT
NET ELECTRICAL	3993884.0	4228972.0	4755208.0	MWHE
THERMAL CAPACITY FACTOR (DURING COMMERCIAL OPERATION)	53.9	58.0	64.1	PER CENT

SUMMARY OF EFFLUENTS

AIRBORNE			
A)	TOTAL NOBLE GASES	4.39E+04	CURIES
B)	TOTAL I-131	1.25E-01	CURIES
C)	TOTAL HALOGENS(INCLUDING I-131)	1.57E-01	CURIES
D)	TOTAL PARTICULATES	1.47E-03	CURIES
E)	TOTAL TRITIUM	5.02E+02	CURIES
LIQUID			
A)	TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	7.23E+00	CURIES
B)	TOTAL TRITIUM	2.19E+03	CURIES
C)	DISOLVED NOBLE GASES	1.11E+00	CURIES
D)	VOLUME OF LIQUID WASTE RELEASED	1.95E+07	LITERS
E)	VOLUME OF DILUTION WATER	1.21E+11	LITERS
SOLID WASTE			
A)	VOLUME	2.22E+03	CUBIC METERS
B)	ACTIVITY	7.83E+02	CURIES
C)	NUMBER OF SHIPMENTS	1.68E+02	

* IF SUMMARY VALUES ARE DIFFERENT THAN THE SUM OF ISOTOPES PLEASE EXPLAIN DISCREPANCY.

AIRBORNE EFFLUENTS (CURIES)

NOBLE GAS

AR-41	2.55E+02
KR-85	3.47E+01
KR-85M	8.23E+01
KR-87	2.69E+01
KR-88	1.13E+02
XE-131M	2.04E+00
XE-133	4.21E+04
XE-133M	3.46E+02
XE-135	9.75E+02
XE-135M	1.68E+00
XE-137	5.05E-04
XE-138	4.49E+00

HALOGENS

I-131	1.25E-01
I-132	8.10E-05
I-133	3.14E-02
I-134	2.74E-05
I-135	1.25E-05

PARTICULATES

CR-51	1.24E-06
MN-54	5.47E-06
CO-58	3.15E-04
CO-60	1.10E-05
RB-88	2.93E-01
SR-89	9.78E-04
SR-90	8.51E-06
MO-99	4.15E-08
TC-99M	1.74E-08
CS-134	9.31E-06
CS-136	3.96E-07
CS-137	1.06E-05
CS-138	1.63E-02
BA-139	2.93E-06
CE-144	1.00E-07
AG-110M	9.11E-06
BA/LA-140	1.17E-04
NP-239	2.01E-05
MN-56	1.53E-05
ZR-97	3.62E-06
AG-108M	1.63E-07
SN-123M	4.23E-05

TRITIUM

H-3	5.02E+02

LIQUID EFFLUENTS (CURIES)

AR-41	2.06E-05
KR-85M	3.78E-04
KR-88	2.96E-03
XE-131M	3.97E-04
XE-133	1.07E+00
XE-133M	3.59E-03
XE-135	3.96E-02
I-131	1.91E+00
I-132	3.24E-04
I-133	8.07E-02
I-134	1.66E-04
I-135	5.45E-04
NA-24	7.28E-03
CR-51	7.64E-02
MN-54	2.31E-01
MN-56	2.99E-04
CO-57	1.18E-03
CO-58	2.01E+00
FE-59	6.12E-03
CO-60	3.68E-01
NI-65	1.84E-05
RB-88	2.95E-02
SR-89	1.04E-02
SR-90	6.50E-04
SR-92	3.28E-04
ZR-95	1.74E-03
NB-95	2.24E-03
ZR-97	1.22E-04
NB-97	2.10E-02
MO-99	5.93E-03
TC-99M	5.24E-02
RU-103	4.79E-05
AG-108M	2.48E-05
AG-110M	3.30E-02
CD-115	4.15E-03
CD-115M	5.01E-04
SB-125	6.36E-01
CS-134	6.05E-01
CS-136	4.67E-02
CS-137	1.04E+00
BA-139	3.42E-04
BA/LA-140	1.82E-02
CE-144	1.29E-04
HF-181	2.48E-05
W-187	1.08E-04
NP-239	1.95E-05
Y-92	1.18E-05
IN-115M	4.97E-04
SN-125M	1.51E-02
CE-134	3.17E-03

TRITIUM