

AUG 26 1977

DISTRIBUTION  
Docket  
NRC PDR  
LOCAL PDR  
ORB#1 Reading  
ASchwencer  
SMSheppard  
DNeighbors  
DEisenhut  
KParrish  
OELD  
OI&E(3)  
ACRS(16)  
TBABernathy  
JRBuchanan

Docket No. 50-305

Licensee  
RE: KEWAUNEE NUCLEAR POWER PLANT

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,

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

Enclosure:  
Draft Copy of Data

MA 4

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



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

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Sincerely,

A handwritten signature in cursive script that reads "Albert Schwencer".

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

Enclosure:  
Draft Copy of Data

cc w/enclosure:  
See next page

August 26, 1977

cc: Steven E. Keane, Esquire  
Foley, Sammond & Lardner  
735 North Water Street  
Milwaukee, Wisconsin 53202

Bruce W. Churchill, Esquire  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, NW.  
Washington, D. C. 20036

Kewaunee Public Library  
314 Milwaukee Street  
Kewaunee, Wisconsin 54216

FACILITY: KEWAUNEE  
TYPE: PWR  
LOCATION: 27 MI ESE GREEN BAY WI  
COOLING WATER SOURCE: LAKE MICHIGAN

DOCKET NO: 50-305  
LICENSED POWER (MWT): 1650.0 0.0 0.0  
INITIAL CRITICALITY: 03/07/74

OPERATION

GROSS THERMAL GENERATION	10806217.0	MWHT
NET ELECTRICAL	3383265.0	MWHE
THERMAL CAPACITY FACTOR (DURING COMMERCIAL OPERATION)	74.6	PER CENT

SUMMARY OF EFFLUENTS

AIRBORNE

A) TOTAL NOBLE GASES	1.40E+03	CURIES
B) TOTAL I-131	2.98E-03	CURIES
C) TOTAL HALOGENS (INCLUDING I-131)	3.27E-03	CURIES
D) TOTAL PARTICULATES	3.37E-04	CURIES
E) TOTAL TRITIUM	6.96E-01	CURIES

LIQUID

A) TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	2.74E+00	CURIES
B) TOTAL TRITIUM	2.13E+02	CURIES
C) DISSOLVED NOBLE GASES	8.49E-02	CURIES
D) VOLUME OF LIQUID WASTE RELEASED	7.65E+06	LITERS
E) VOLUME OF DILUTION WATER	1.23E+11	LITERS

SOLID WASTE

A) VOLUME	5.94E+02	CUBIC METERS
B) ACTIVITY	4.94E+01	CURIES
C) NUMBER OF SHIPMENTS	5.00E+00	

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

AIRBORNE EFFLUENTS (CURIES)

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NOBLE GAS

AR-41	2.60E+01
KR-85	6.40E-02
KR-85M	8.26E-01
KR-88	1.00E+00
XE-133	1.32E+03
XE-133M	1.83E+01
XE-135	3.66E+01

HALOGENS

I-131	2.98E-03
I-132	1.57E-05
I-133	2.79E-04

PARTICULATES

MN-54	9.75E-07
CO-58	3.26E-05
CO-60	2.77E-07
RB-88	6.91E-05
SR-89	9.72E-05
SR-90	2.06E-04
CS-138	1.50E-06

TRITIUM

H-3	6.96E-01
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LIQUID EFFLUENTS (CURIES)

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KR-88	7.66E-04
XE-133	8.40E-02
XE-135	1.71E-04
I-131	3.25E-02
I-133	2.63E-03
I-134	1.05E-06
NA-24	4.42E-02
CR-51	1.13E-01
MN-54	1.39E-01
CO-58	1.63E+00
FE-59	1.77E-02
CO-60	1.25E-01
SR-89	3.61E-03
SR-90	9.82E-04
ZR-95	7.75E-03
NB-95	1.64E-02
AG-110M	6.55E-03
SB-124	2.65E-02
SB-125	2.25E-02
BA-131	2.18E-03
CS-134	1.76E-01
CS-136	5.52E-05
CS-137	3.70E-01
CS-138	5.66E-04
LA-140	3.83E-05
BI-214	2.41E-05

TRITIUM

H-3	2.13E+02
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