

Docket No. 50-331

AUG 26 1977

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Gentlemen:

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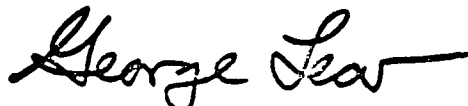
The NRC is presently preparing a summary of radioactive effluents released from commercial nuclear power plants during 1976. The report will be similar to NUREG-0218, "Radioactive Materials Released from Nuclear Power Plants (1975)".

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,



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosure:
Draft Copy of Data

cc w/enclosure:
See next page

ORB#3	ORB#3	ORB#3
CParrish:acr	RClark	GLear
8/ /77	8/ /77	8/ /77

MA 4

GO

Iowa Electric Light & Power Company - 2 -

cc:

Mr. Robert Lowenstein, Esquire
Harold F. Reis, Esquire
Lowenstein, Newman, Reis and Axelrad
1025 Connecticut Avenue, N. W.
Washington, D. C. 20036

Cedar Rapids Public Library
426 Third Avenue, S. E.
Cedar Rapids, Iowa 52401

FACILITY: DUANE ARNOLD

DOCKET NO: 50-331

TYPE: BWR

LICENSED POWER (MWT):

1658.1

0.0

0.0

LOCATION: 8 MI NW CEDAR RAPIDS IA

INITIAL CRITICALITY:

03/23/74

COOLING WATER SOURCE: CEDAR RAPIDS RIVER & CIRC WATER SYSTEM

OPERATION

GROSS THERMAL GENERATION

8023776.0

MWHT

NET ELECTRICAL

2489342.1

MWHE

THERMAL CAPACITY FACTOR
(DURING COMMERCIAL OPERATION)

55.1

PER CENT

SUMMARY OF EFFLUENTS

AIRBORNE

A)	TOTAL NOBLE GASES	5.26E+03	CURIES
D)	TOTAL I-131	7.50E-02	CURIES
C)	TOTAL HALOGENS (INCLUDING I-131)	1.08E-01	CURIES
D)	TOTAL PARTICULATES	<8.11E-04	CURIES
E)	TOTAL TRITIUM	1.64E+01	CURIES

LIQUID

A)	TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	5.34E-03	CURIES
B)	TOTAL TRITIUM	3.35E-01	CURIES
C)	DISOLVED NOBLE GASES	0.0	CURIES
D)	VOLUME OF LIQUID WASTE RELEASED	5.31E+05	LITERS
E)	VOLUME OF DILUTION WATER	4.30E+01	LITERS

SOLID WASTE

A)	VOLUME	5.95E+02	CUBIC METERS
D)	ACTIVITY	1.87E+02	CURIES
C)	NUMBER OF SHIPMENTS	4.30E+01	

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

AIRBORNE EFFLUENTS (CURIES)

NOBLE GAS

AR-41	7.26E+02
KR-85M	1.21E+02
KR-88	2.17E+02
XE-133	3.43E+03
XE-133M	1.25E+00
XE-135	8.31E+01
XE-138	6.84E+02

HALOGENS

I-131	7.50E-02
I-133	6.32E-04
I-135	3.24E-02

PARTICULATES

CR-51	3.98E-05
MN-54	8.16E-06
FE-59	6.23E-06
CO-58	7.57E-05
CO-60	3.80E-04
ZN-65	7.70E-07
SR-89	5.67E-06
SR-90	<9.91E-06
ZR-95	6.10E-07
RU-106	4.10E-06
CS-134	1.82E-05
CS-137	1.71E-05
AG-110M	3.15E-06
SB-125	1.35E-06
BA-140	3.71E-06
NA-22	1.70E-07
AS-76	3.50E-07
SB-125	1.35E-06
TE-127M	2.34E-04
TE-129M	4.18E-05

OTHER GASES

TRITIUM	N-13	1.97E+00
	H-3	1.64E+01

LIQUID EFFLUENTS (CURIES)

F-18	4.90E-05
NA-24	7.00E-07
CR-51	1.45E-03
MN-54	6.15E-04
CO-58	9.00E-04
FE-59	9.81E-05
CO-60	2.06E-03
ZN-65	6.10E-06
AS-76	6.43E-06
SR-89	2.11E-05
SR-90	8.13E-06
ND-95	2.25E-05
AG-110M	9.24E-05
CS-134	6.20E-06

TRITIUM

H-3	3.35E-01
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