

DocRet No. 50-220

AUG 26 1977

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OI&E (3)	

Licensee

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,

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

Enclosure:  
Draft Copy of Data

cc w/enclosure:  
See next page

*may*

OFFICE >	ORB#3 <i>CP</i>	ORB#3 <i>SN</i>	ORB#3			
SURNAME >	CParrish:act	SNowicki	GLear <i>GL</i>			
DATE >	8/ <i>26</i> /77	8/ <i>26</i> /77	8/ <i>26</i> /77			



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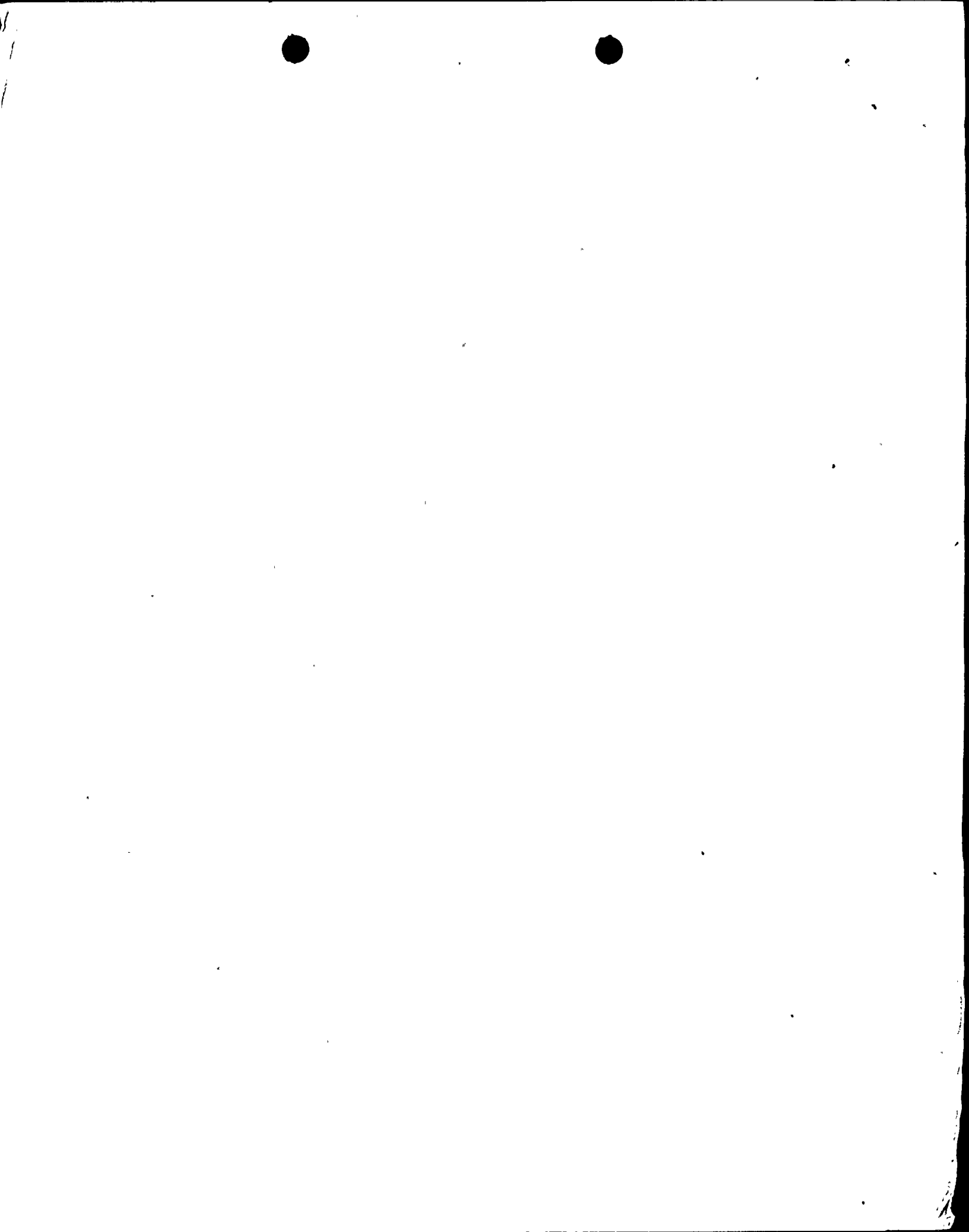
Niagara Mohawk Power Corporation

- 2 -

cc: Arvin E. Upton, Esquire  
LeBoeuf, Lamb, Leiby & MacRae  
1757 N Street, N. W.  
Washington, D. C. 20036

Anthony Z. Roisman, Esquire  
Roisman, Kessler and Cashdan  
1025 15th Street, N. W.  
5th Floor  
Washington, D. C. 20005

Oswego City Library  
46 E. Bridge Street  
Oswego, New York 13126



FACILITY: NINE MILE POINT  
 TYPE: BHR  
 LOCATION: 8 MI NE OSWEGO NY  
 COOLING WATER SOURCE: LAKE ONTARIO

DOCKET NO: 50-220  
 LICENSED POWER (MWT): 1850.0 0.0 0.0  
 INITIAL CRITICALITY: 09/05/69

OPERATION

GROSS THERMAL GENERATION	13086781.0	MWHT
NET ELECTRICAL	4112827.0	MWHE
THERMAL CAPACITY FACTOR (DURING COMMERCIAL OPERATION)	80.5	PER CENT

SUMMARY OF EFFLUENTS

AIRBORNE

A)	TOTAL NOBLE GASES	1.76E+05	CURIES
B)	TOTAL I-131	2.10E+00	CURIES
C)	TOTAL HALOGENS (INCLUDING I-131)	8.64E+00	CURIES
D)	TOTAL PARTICULATES	<6.18E-02	CURIES
E)	TOTAL TRITIUM	1.85E+01	CURIES

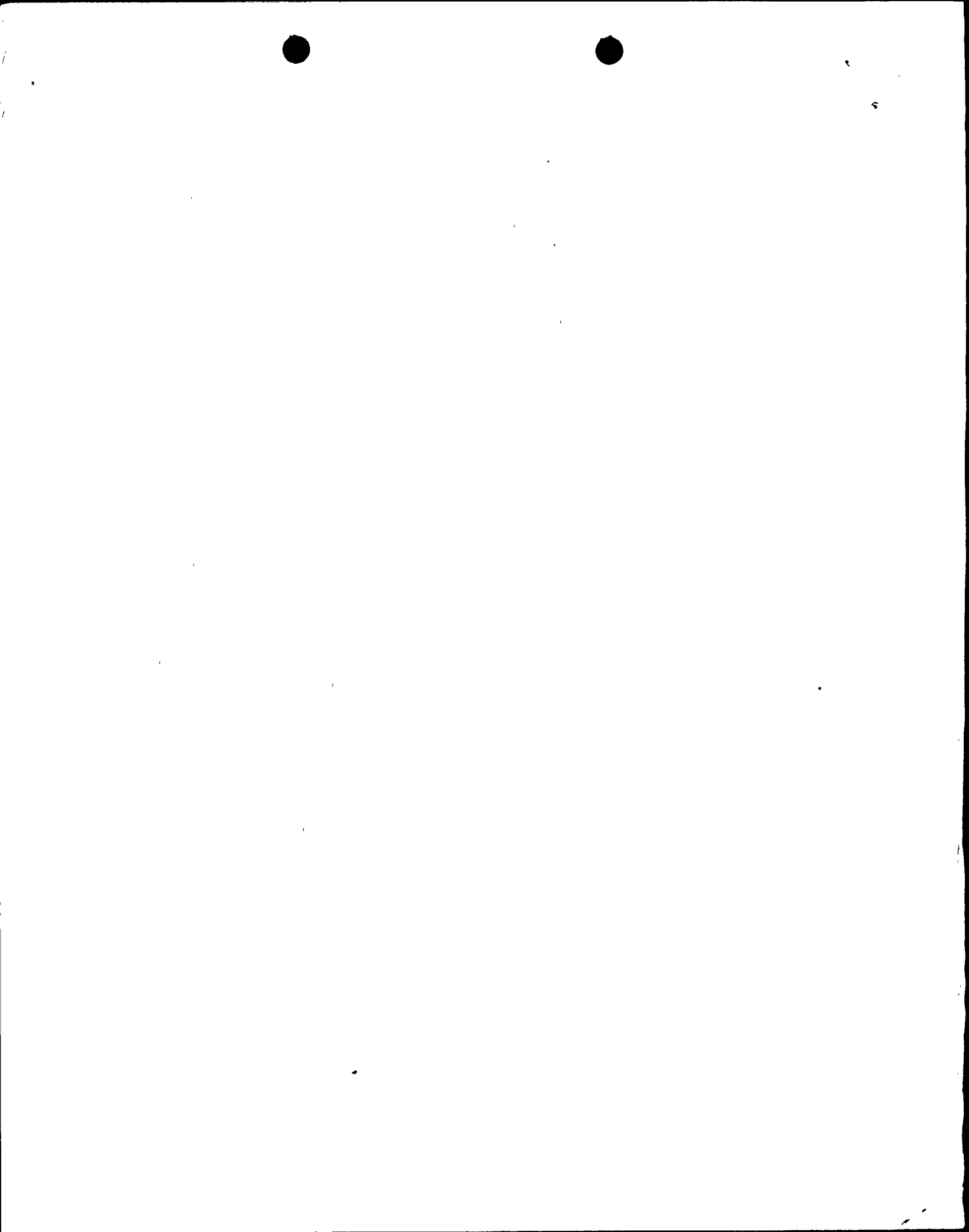
LIQUID

A)	TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	2.14E+00	CURIES
B)	TOTAL TRITIUM	2.46E+00	CURIES
C)	DISOLVED NOBLE GASES	<5.67E-03	CURIES
D)	VOLUME OF LIQUID WASTE RELEASED	1.63E+06	LITERS
E)	VOLUME OF DILUTION WATER	2.39E+11	LITERS

SOLID WASTE

A)	VOLUME	5.38E+02	CUBIC METERS
B)	ACTIVITY	2.61E+03	CURIES
C)	NUMBER OF SHIPMENTS	8.60E+01	

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



AIRBORNE EFFLUENTS (CURIES)

NOBLE GAS

UNIDENTIFIED	1.60E+04
KR-85M	8.68E+03
KR-87	2.72E+04
KR-88	2.77E+04
XE-133	7.10E+03
XE-135	4.16E+04
XE-135M	2.58E+02
XE-138	4.78E+04

HALOGENS

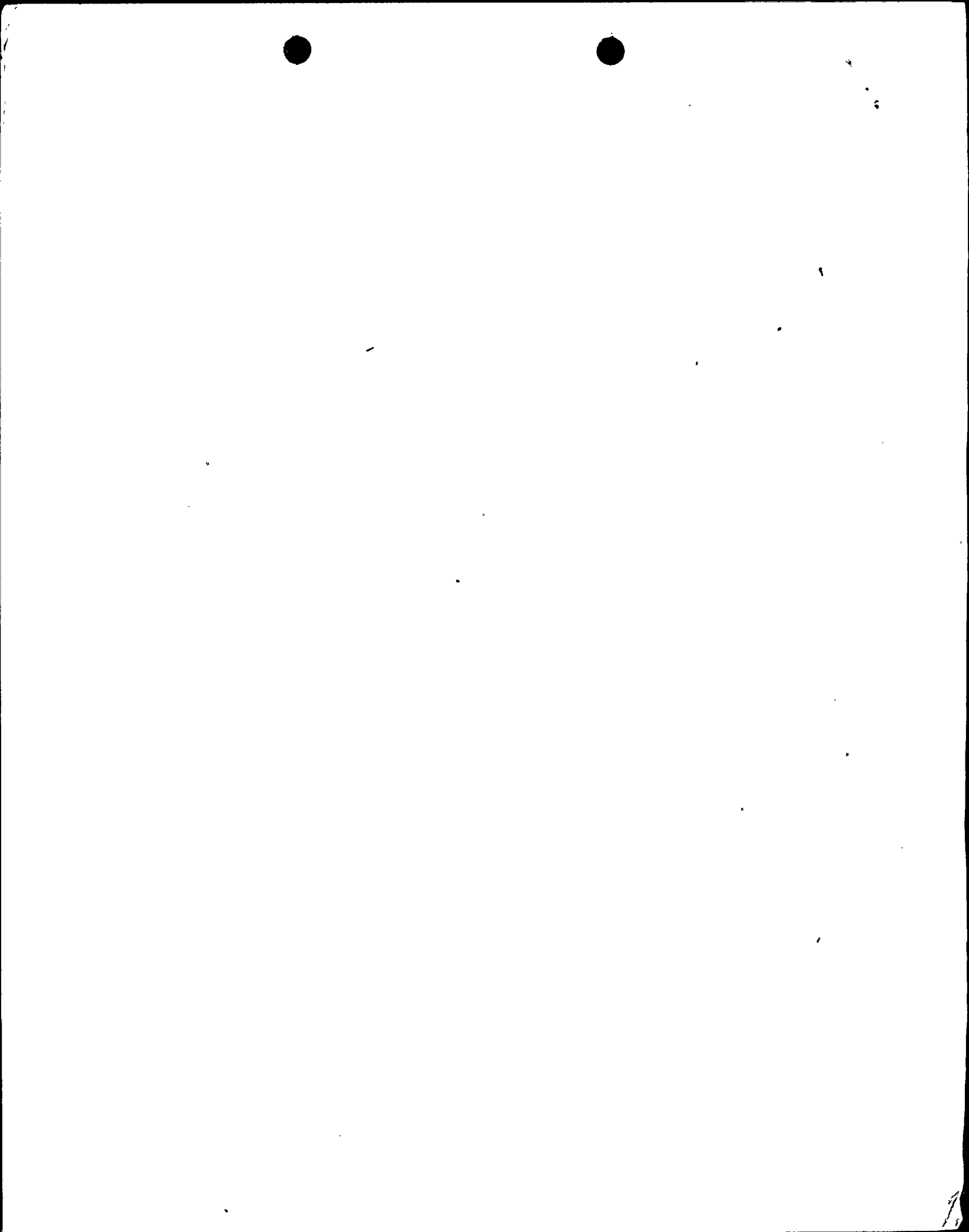
I-131	2.10E+00
I-133	4.84E+00
I-135	1.70E+00

PARTICULATES

CR-51	8.44E-04
MN-54	1.77E-03
FE-59	7.98E-05
CO-58	2.04E-04
CO-60	1.55E-02
ZN-65	7.35E-05
SR-89	1.25E-02
SR-90	<1.14E-04
ZR-95	8.32E-05
NB-95	1.01E-04
RU-103	2.65E-05
RU-106	1.24E-04
CS-134	2.31E-03
CS-137	7.78E-03
CE-141	2.61E-04
CE-144	2.10E-04
LA-140	4.10E-02
BA/LA-140	2.06E-02

TRITIUM

H-3	1.85E+01
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LIQUID EFFLUENTS (CURIES)

XE-133	<3.93E-03
XE-135	<1.74E-03
I-131	1.62E-02
I-133	2.74E-03
NA-24	4.95E-02
CR-51	1.21E-01
MN-54	1.51E-01
CO-58	4.46E-02
FE-59	3.60E-03
CO-60	6.15E-01
AS-76	3.34E-02
SR-89	7.46E-02
SR-90	7.35E-03
ZR/NB-95	1.73E-03
MI-99	1.70E-03
TC-99M	1.70E-03
SB-124	1.09E-02
CS-134	2.91E-01
CS-137	5.17E-01
BA/LA-140	3.32E-02
CE-141	2.20E-03
H-187	1.61E-01
NP-239	4.10E-03
UNIDENTIFIED	<1.00E-04
TRITIUM	
H-3	2.46E+00

