

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)**

CONTROL NO: 13384
FILE: _____

FROM: Rochester Gas & Electric Co. Rochester, N. Y. L.D. White			DATE OF DOC 7-29-75	DATE REC'D 11-26-75	LTR XXX	TWX	RPT	OTHER
TO: James P. O'Reilly			ORIG NONE	CC	OTHER	SENT NRC PDR <u>EXXX</u>		SENT LOCAL PDR <u>XXXX</u>
CLASS XXX	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-244		

DESCRIPTION:
Ltr. trans the following....

PLANT NAME: RE Ginna # 1

ENCLOSURES:
Semiannual Effluent Release Report for period January through June 1975....
ACKNOWLEDGED
DO NOT REMOVE

FOR ACTION/INFORMATION

VCR 12-2-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies	REID (L) W/ COPIES
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INTERNAL DISTRIBUTION

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A BOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE <u>REG OPR</u> FILE & REGION (2) MIPC	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR <u>COTA</u> WARRLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUJHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ <u>PLANS</u> MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON
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EXTERNAL DISTRIBUTION

- 1 - LOCAL PDR *Regions - NY & Rochester NY*
- 1 - TIC (ABERNATHY) (1)(2)(10)
- 1 - NSIC (BUCHANAN)
- 1 - ASLB
- 1 - Newton Anderson
- 1 - ACRS HOLDING/SENT
- 1 - NATIONAL LABS
- 1 - W. PENNINGTON, Rm E-201 GT
- 1 - CONSULTANTS
- NEWMARK/BLUME/AGBABIAN
- 1 - PDR-SAN/LA/NY
- 1 - BROOKHAVEN NAT LAB
- 1 - G. ULRIKSON ORNL

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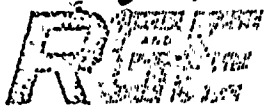
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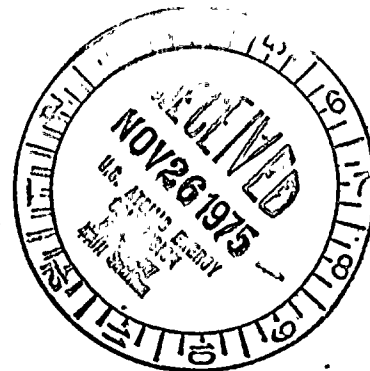
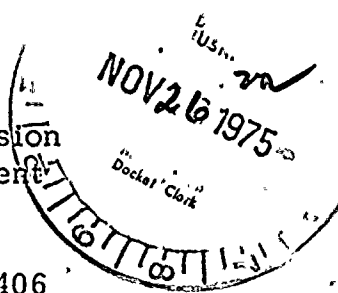
ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.
VICE PRESIDENT

TELEPHONE
AREA CODE 716 546-2700

July 29, 1975

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406



Subject: Semiannual Effluent Release Report
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. O'Reilly:

In accordance with the requirements of our Technical Specifications 6.6.3.b, attached is the semiannual report of radioactive effluents from our Ginna plant for the period January through June, 1975.

These include the liquid and airborne effluent tables and a tabulation of the shipments off site of 6,537 cubic feet of solid radioactive waste containing 30.01 curies of activity.

Very truly yours,

L. D. White, Jr.
L. D. White, Jr.

Att.

bc: Mr. C. E. Platt
Mr. E. L. DeMeritt

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APPENDIX A

REPORT OF RADIOACTIVE EFFLUENTS

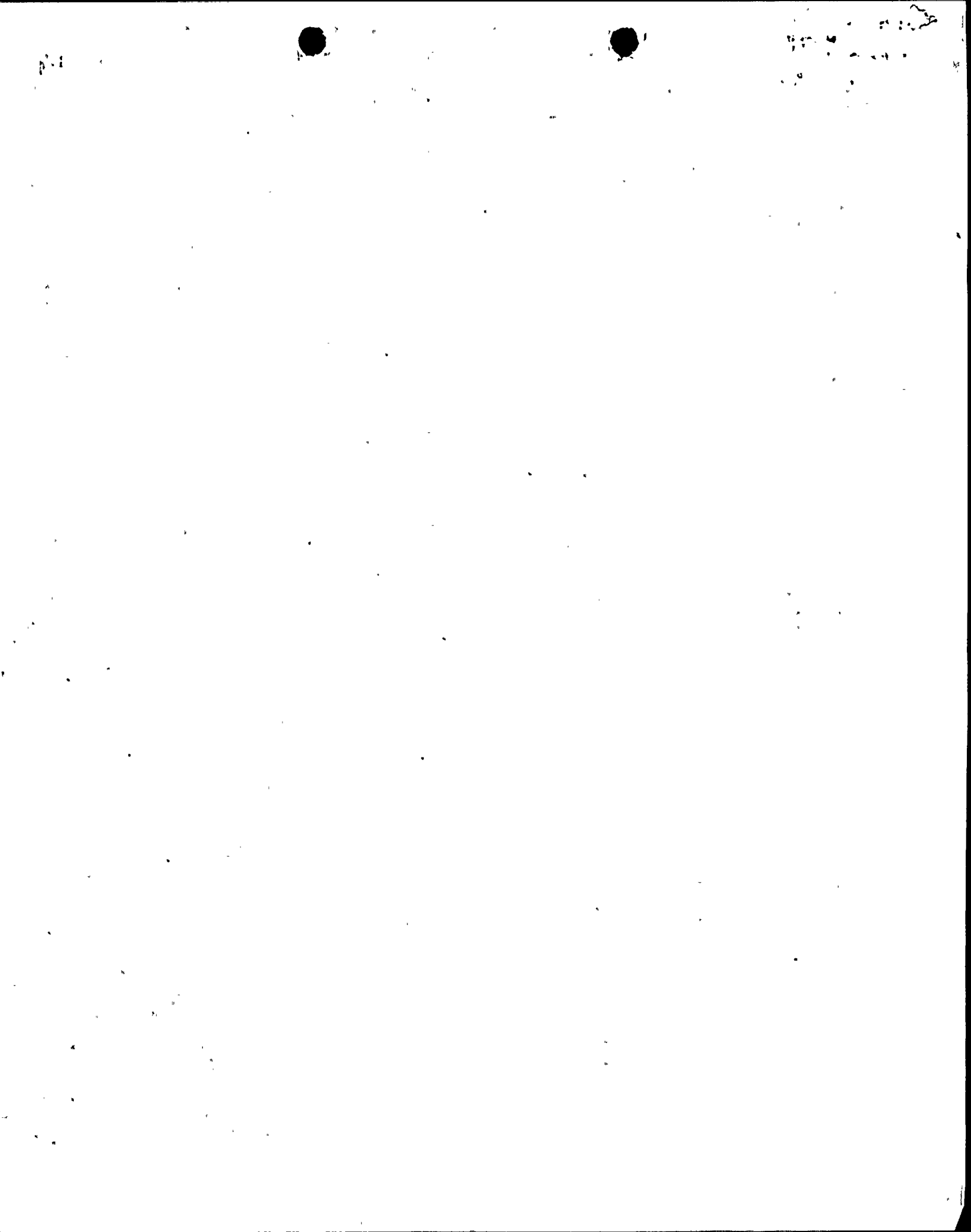
FACILITY ROCHESTER GAS & ELECTRIC CORPORATION, GINNA STATION

DOCKET 50-244

1. LIQUID RELEASES

1975

	UNITS	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1. GROSS RADIOACTIVITY (B,Y)							
A) TOTAL RELEASE	CURIES	5.64 E-4	1.496E-4	2.203E-2	2.88E-2	9.40E-3	2.068E-3
B) AVERAGE CONCENTRATION RELEASED	UCI/ML	1.03 E-11	3.19 E-11	5.49 E-10	7.0 E-10	1.85E-10	3.65E-11
C) MAXIMUM CONCENTRATION RELEASED	UCI/ML	1.87 E-9	6.84 E-9	9.36 E-9	3.81 E-8	8.4E-9	7.94E-9
2. TRITIUM							
A) TOTAL RELEASE	CURIES	2.268	5.406	75.845	38.38	56.49	10.0
B) AVERAGE CONCENTRATION RELEASED	UCI/ML	4.13 E-8	1.15 E-7	7.16 E-6	9.34 E-7	1.11 E-6	1.77E-7
3. DISSOLVED NOBLE GASES							
A) TOTAL RELEASE	CURIES	ND	ND	ND	ND	ND	ND
B) AVERAGE CONCENTRATION RELEASED	UCI/ML						
4. GROSS ALPHA RADIOACTIVITY							
A) TOTAL RELEASE	CURIES	ND	6.79 E-7	1.61 E-5	1.66 E-5	5.1E-6	2.94E-7
B) AVERAGE CONCENTRATION RELEASED	UCI/ML		1.44 E-14	4.01 E-13	4.04 E-13	1.00E-13	5.19E-15
5. VOLUME OF LIQUID WASTE TO DISCHARGE CANAL	LITERS	5.40 E-4	7.89 E 4	5.80 E-5	9.43 E-5	3.01E5	1.64E-5
6. VOLUME OF DILUTION WATER	LITERS	5.49 E-10	4.69 E 10	4.01E-10	4.11 E-10	5.09E10	5.66E 10
7. ISOTOPES RELEASED	CURIES						
Ce - Pr 144		9.8 E-6	1.68 E-4	1.42 E-3	1.29 E-4	3.46E-4	ND
Zr - Nb 95		4.1 E-6	6.36 E-5	2.36 E-3	3.55 E-3	1.03E-3	1.1E-4
I-131			6.42 E-5	2.60 E-3	4.42 E-4	5.56E-5	7.32E-5
I-133			2.14 E-5	9.85 E-4	ND	ND	ND
Ce-Pr 141					ND	3.47E-5	1.96E-5
Cs-137		3.13 E-4	2.86 E-4	3.99 E-3	6.70 E-3	1.96E-3	5.61E-4
Cs-134		7.88 E-5	7.88 E-5	8.10 E-4	1.88 E-3	2.32E-4	1.39E-4
Co-60		6.16 E-5	7.02 E-4	6.64 E-3	8.28 E-3	3.61E-3	7.78E-4
Co-58		4.97 E-5	5.38 E-5	1.74 E-3	5.51 E-3	1.46E-3	2.84E-4
Cr-51							
W-54			3.96 E-5	4.33 E-4	6.22 E-4	3.17E-4	7.24E-5
Ag 110m		3.70 E-5	1.01 E-5	ND	4.42 E-4	9.82E-5	ND
Ru 103		9.70 E-6	8.48 E-6	1.04 E-3	1.28 E-3	2.54E-4	2.24E-5
OTHERS (SPECIFY)							
8. PERCENT OF TECHNICAL SPECIFICATION LIMIT FOR TOTAL ACTIVITY RELEASED	%	<.001	<.001	.026	.001	<.001	<.001

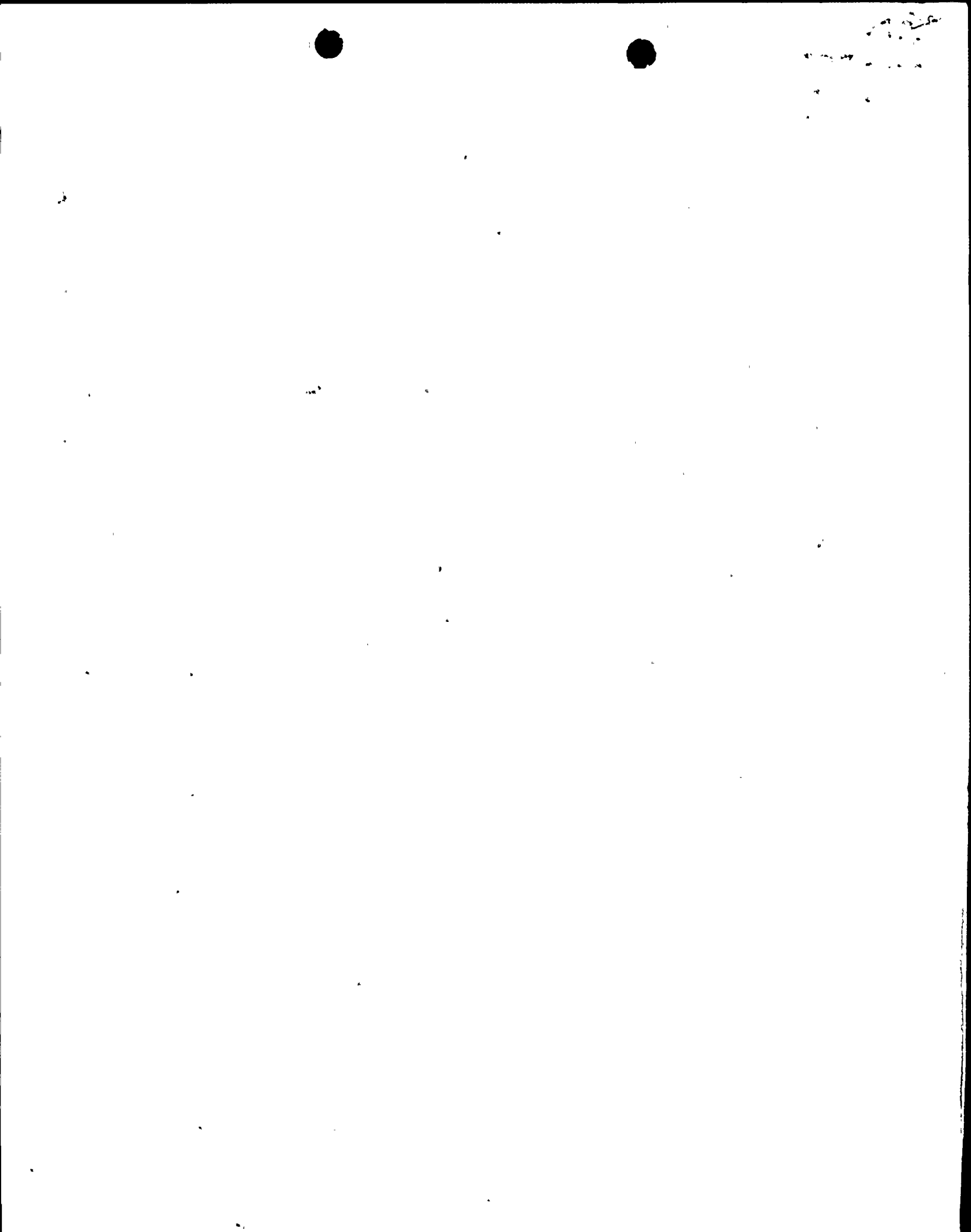


ROCHFORD GAS & ELECTRIC CORPORATION - GINNA STATION

11 AIRBORNE RELEASES

1975

	UNITS	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1. TOTAL NOBLE GASES	CURIES	232.146	236.151	307.658	139.366	284.592	614.379
2. TOTAL HALOGENS.	CURIES	1.10 E-4	1.22E-4	4.10 E-2	1.76 E-4	3.82 E-5	9.76E-4
3. TOTAL PARTICULATE GROSS RADIOACTIVITY (B,Y)	CURIES	4.98 E-7	3.96E-6	3.54 E-6	7.6 E-6	2.91 E-6	1.69E-6
4. TOTAL TRITIUM	CURIES	.030	ND	1.211	ND	ND	4.82E-2
5. TOTAL PARTICULATE GROSS ALAPHA RADIOACTIVITY		< 7 E-9	3.0 E-8	8.0 E-8	5.02 E-7	2.0 E-7	6.0E-9
6. MAXIMUM NOBLE GAS RELEASE RATE	UCI/SEC	17,800	1060	16000	150	32	< 1
7. PERCENT OF APPLICABLE LIMIT FOR:							
A. NOBLE GASSES	%	.176	.185	.192	.09	.177	.506
B. HALOGENS	%	.083	.122	3.18	.23	.022	1.15
C. PARTICULATES	%	<.001	<.001	<.001	<.001	<.001	<.001
8. ISOTOPE RELEASED:	.CURIES						
PARTICULATES							
CS-137		ND	1.42 E-6	1.86 E-7	2.71 E-7	6.44 E-7	4.15E-7
CS-134		3.15 E-8	2.73 E-7	9.08 E-8	8.1 E-8	1.58 E-7	1.55E-7
CO-58		2.71 E-8	1.00 E-7	4.91 E-7	1.52 E-6	3.93 E-7	3.13E-8
CO-60		8.84 E-8	1.02 E-6	9.23 E-7	2.50 E-6	1.01 E-6	2.36E-7
ZrNb-95		5.79 E-8	1.59 E-7	1.84 E-7	1.52 E-6	5.39 E-7	7.72E-8
Ce - 144		8.72 E-8	1.94 E-7	7.95 E-8	3.12 E-7	4.14 E-8	8.87E-8
HALOGENS							
I-131		6.43 E-5	8.54 E-5	2.46 E-3	1.76 E-4	1.72 E-5	8.63E-4
I-133		4.55 E-5	3.69 E-5	1.0 E-5	ND	2.09 E-5	1.14E-4
I-135				ND	ND	ND	ND
GASES							
KR-85			.144	.782	1.049	.925	.346
XE-133		204.52	219.659	304.858	138.148	283.667	545.21
KR-88				.064	ND	ND	ND
KR-87				.053	ND	ND	ND
KR-85M			.188	.038	ND	4.0 E-5	1.757
Xr-131m					.169	ND	ND
XE-135M				.024	ND	ND	ND
XE-135		27.54	16.160	.575	ND	4.0 E-4	61.326
AR-41		.086	ND	.010	ND	ND	5.729
OTHERS AS APPROPRIATE (SPECIFY)							
Nb-239 particulate		6.67 E-8	2.89 E-7	4.87 E-8	6.58 E-8	3.10 E-8	ND
Ce-141 particulate			3.53 E-8	ND	ND	ND	ND
Ba La 140 particulate			3.52 E-8	ND	4.4 E-8	4.0 E-9	ND
Mn 54	"			1.78 E-7	3.51 E-7	7.9 E-9	6.9E-9
Cr 51	"			3.29 E-7	9.44 E-7	7.59 E-8	ND
Fe 59	"			4.52 E-8	ND	1.09 E-8	1.3E-8
	"			7.77 E-7	ND	ND	ND



SOLID WASTE SHIPPED

January - June 1975

<u>DATES</u>	<u>DISPOSITION</u>
8 Jan	Nuclear Fuel Services, West Valley, NY
2 Mar	" " " " " "
11 Mar	Nuclear Engineering Co. Inc. Morehead, KY
20 Mar	" " " " " "
30 Mar	" " " " " "
8 Apr	" " " " " "
15 Apr	" " " " " "
22 Apr	" " " " " "
2 May	" " " " " "
6 May	" " " " " "
13 May	" " " " " "
20 May	" " " " " "
22 May	" " " " " "
5 June	" " " " " "