

SEMI-ANNUAL EFFLUENT REPORT

July - December

1982

Public Service Company

Fort St. Vrain
Nuclear Generating Station

February 1983

8302230646 830202
PDR ADCK 05000267
R PDR

1.0 Summary

This report summarizes the radiological effluent released from the Fort St. Vrain Nuclear Generating Station for the period July through December, 1982. In addition, Table 3.1 furnishes a general summary of the primary plant systems under radiological surveillance, and Table 4 summarizes the solid waste removed from the site during the aforementioned time period. This information is provided pursuant to the requirements of 10 CFR 50.36 a (a) (2).

Tritium was the radionuclide of principal interest released via the liquid pathway during the second half of 1982. A total of approximately 114 curies of tritium was released to the unrestricted area via batch and continuous releases.

Xenon 133 was the predominant radioisotope released from the station via the gaseous waste discharge pathway. Approximately 117 curies were released in the second half of 1982. Approximately 56 curies of Krypton 85 and 2 curies of tritium were released via gas waste discharges.

Approximately $5.0E-7$ curies of Iodine 131 were released in gaseous radiological effluent during the second half of 1982.

No low level solid radioactive waste was removed from the station during the reporting period.

TABLE 1.1 - RADIOACTIVE LIQUID EFFLUENT RELEASES FOR 3rd QUARTER, 1982

	UNITS	JUL	AUG	SEP	QUAR TERLY TOTAL
1. Gross Beta Radioactivity					
a) Total Release	Curies	1.18E-05	4.53E-06	4.61E-06	2.10E-05
b) Avg. Conc. before Dilution	mCi/ml	1.35E-07	8.56E-08	6.53E-08	9.89E-08 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	3.01E-10	1.27E-10	4.96E-11	1.72E-10 *
2. Tritium					
a) Total Release	Curies	1.31E+01	2.98E-01	1.92E-02	1.34E+01
b) Avg. Conc. before Dilution	mCi/ml	1.53E-01	5.65E-03	2.68E-04	6.40E-02 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	4.32E-04	2.48E-05	1.13E-06	1.83E-04 *
3. Dissolved Noble Gases					
a) Total Release	Curies	1.46E-04	6.58E-05	6.99E-07	2.12E-04
b) Avg. Conc. before Dilution	mCi/ml	1.69E-06	1.29E-06	9.14E-08	1.46E-06 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	5.67E-09	5.60E-09	3.57E-10	5.36E-09 *
4. Gross Alpha Radioactivity					
a) Total Release	Curies	2.09E-06	9.63E-07	1.09E-06	4.14E-06
5. Total Volume of Liquid Released before Dilution					
	Liters	8.80E+04	5.32E+04	7.05E+04	2.12E+05
6. Total Volume of Liquid Used for Dilution					
	Liters	2.22E+07	1.23E+07	1.64E+07	5.08E+07
7. Estimated Total Radioactivity Released by Radioisotope above Background					
Nuclide	MPCw (μCi/ml)	Curies			
133Xe	2.0E-04		1.46E-04	6.58E-04	6.99E-07
					2.12E-04

*Represents a "weighted" average.

4.7E-05 = 4.7 x 10⁻⁵

5.2E+03 = 5.2 x 10⁺³

NSA means no significant activity.

TABLE 1.2 (PAGE 1 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 571

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	7 182	TIME	2024
RELEASE COMPLETION	:	DATE	7 282	TIME	45
RELEASE DURATION	:	HRS.	4.35	MIN.	261.
TANK LEVEL [INCHES]	:	INITIAL	131.	FINAL	7.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6809980.	FINAL	6849000.
TOTAL VOLUME RELEASED	:	LITERS	8172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1476907.	GALS	390200.
AVERAGE RELEASE RATE	:	LPM	31.31	GPM	8.27
AVERAGE BLOWDOWN RATE	:	LPM	5658.65	GPM	1495.02

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
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- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.169	7 182	1040	1.62E-08	1.05E-07	7.94E-02	1.46E-06	SD1072
B 33.170	7 182	1045	1.62E-08	7.42E-08	7.98E-02	1.46E-06	SD1073
C 5.055	7 182	1900	2.64E-08	5.84E-08	6.31E-07		
D 6.056	7 232	350	4.77E-08	6.07E-08	5.05E-06		
E 7.064	7 182	2318	2.64E-08	5.69E-08	4.50E-04		
F 8.058	7 282	342	2.64E-08	5.69E-08	6.37E-07		
G 9.026	62982	1120	1.91E-08	5.62E-08	5.14E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.32E-07	1.62E-08	-1.61E-11	N/A
GROSS BETA	8.59E-07	1.05E-07	2.69E-10	8.97E-01
TRITIUM	6.52E-01	7.98E-02	4.39E-04	1.46E+01
133XE	1.19E-05	1.46E-06	8.03E-09	4.02E-03

TABLE 1.2 (PAGE 2 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 572

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	7 382	TIME	1725
RELEASE COMPLETION	:	DATE	7 482	TIME	305
RELEASE DURATION	:	HRS.	9.67	MIN.	580.
TANK LEVEL [INCHES]	:	INITIAL	121.	FINAL	6.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7260380.	FINAL	7398523.
TOTAL VOLUME RELEASED	:	LITERS	7579.	GALS	2002.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	5228713.	GALS	1381430.
AVERAGE RELEASE RATE	:	LPM	13.07	GPM	3.45
AVERAGE BLOWDOWN RATE	:	LPM	9015.02	GPM	2381.78

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 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.171	7 382	820	2.64E-08	1.59E-07	9.68E-01	7.94E-06	SD1078
B 33.172	7 382	825	2.64E-08	1.34E-07	9.38E-01	7.94E-06	SD1079
C 5.056	7 382	1700	2.11E-08	5.77E-08	6.46E-07		
D 6.057	7 482	500	2.11E-08	5.77E-08	9.02E-07		
E 7.065	7 482	30	2.11E-08	6.14E-08	1.41E-03		
F 8.059	7 482	435	2.11E-08	5.77E-08	8.64E-04		
G 9.026	62982	1120	1.91E-08	5.62E-08	5.14E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.00E-07	2.64E-08	1.05E-11	N/A
GROSS BETA	1.20E-06	1.59E-07	1.49E-10	4.96E-01
TRITIUM	7.34E+00	9.68E-01	1.40E-03	4.67E+01
133XE	6.02E-05	7.94E-06	1.15E-08	5.75E-03

TABLE 1.2 (PAGE 3 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 573

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	7 682	TIME	1957
RELEASE COMPLETION	:	DATE	7 782	TIME	20
RELEASE DURATION	:	HRS.	4.38	MIN.	263.
TANK LEVEL [INCHES]	:	INITIAL	120.	FINAL	5.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	8142901.	FINAL	8143200.
TOTAL VOLUME RELEASED	:	LITERS	7579.	GALS	2002.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1903817.	GALS	502990.
AVERAGE RELEASE RATE	:	LPM	28.82	GPM	7.61
AVERAGE BLOWDOWN RATE	:	LPM	7238.85	GPM	1912.51

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RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.173	7 682	815	2.11E-08	9.37E-08	2.05E-01	1.45E-06	SD1086
B 33.174	7 682	810	2.11E-08	8.83E-08	2.09E-01	1.45E-06	SD1087
C 5.057	7 682	1900	3.11E-08	6.46E-08	6.34E-07		
D 6.058	7 782	305	3.11E-08	6.46E-08	2.70E-06		
E 7.066	7 682	2300	3.11E-08	6.46E-08	8.64E-04		
F 8.060	7 782	310	3.11E-08	6.46E-08	1.50E-06		
G 9.027	7 682	900	3.11E-08	6.46E-08	6.34E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.60E-07	2.11E-08	-3.99E-11	N/A
GROSS BETA	7.10E-07	9.37E-08	1.15E-10	3.84E-01
TRITIUM	1.58E+00	2.09E-01	8.27E-04	2.76E+01
133XE	1.10E-05	1.45E-06	5.75E-09	2.87E-03

TABLE 1.2 (PAGE 4 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 574

RELEASE MADE FROM	:	TANK	1-6204		
RELEASE START	:	DATE	7 982	TIME	2050
RELEASE COMPLETION	:	DATE	71082	TIME	106
RELEASE DURATION	:	HRS.	4.27	MIN.	256.
TANK LEVEL [INCHES]	:	INITIAL	127.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8938880.	FINAL	8984675.
TOTAL VOLUME RELEASED	:	LITERS	8172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1733341.	GALS	457950.
AVERAGE RELEASE RATE	:	LPM	31.92	GPM	8.43
AVERAGE BLOWDOWN RATE	:	LPM	6770.86	GPM	1788.87

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 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.175	7 982	505	2.66E-08	2.03E-07	1.56E-01	1.08E-06	SD1110
B 33.176	7 982	505	2.66E-08	1.59E-07	1.56E-01	1.08E-06	SD1111
C 5.058	7 982	1950	2.09E-08	5.65E-08	1.99E-06		
D 6.059	71082	415	2.09E-08	5.65E-08	4.70E-06		
E 7.067	7 982	2300	2.09E-08	5.65E-08	7.40E-04		
F 8.061	71082	400	2.09E-08	5.65E-08	6.24E-07		
G 9.027	7 682	900	3.11E-08	6.46E-08	6.34E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.17E-07	2.66E-08	2.13E-11	N/A
GROSS BETA	1.66E-06	2.03E-07	6.51E-10	2.17E+00
TRITIUM	1.28E+00	1.56E-01	7.33E-04	2.44E+01
133XE	8.83E-06	1.08E-06	5.07E-09	2.53E-03

TABLE 1.2 (PAGE 5 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 575

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	71382	TIME	2103
RELEASE COMPLETION	:	DATE	71482	TIME	135
RELEASE DURATION	:	HRS.	4.53	MIN.	272.
TANK LEVEL [INCHES]	:	INITIAL	132.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9975294.	FINAL	15030.
TOTAL VOLUME RELEASED	:	LITERS	8435.	GALS	2229.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1502872.	GALS	397060.
AVERAGE RELEASE RATE	:	LPM	31.01	GPM	8.19
AVERAGE BLOWDOWN RATE	:	LPM	5525.27	GPM	1459.78

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 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.177	71382	650	1.88E-08	1.08E-07	7.82E-02	1.66E-06	SD1134
B 33.178	71382	655	1.88E-08	6.16E-08	7.85E-02	1.66E-06	SD1135
C 5.059	71382	2015	2.45E-08	9.71E-08	6.31E-07		
D 6.060	71482	500	2.45E-08	7.12E-08	6.31E-07		
E 7.068	71482	15	2.45E-08	5.19E-08	3.39E-04		
F 8.062	71482	510	2.45E-08	5.19E-08	1.18E-06		
G 9.027	7 682	900	3.11E-08	6.46E-08	6.34E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.58E-07	1.88E-08	-6.90E-11	N/A
GROSS BETA	9.10E-07	1.08E-07	2.42E-10	8.05E-01
TRITIUM	6.62E-01	7.85E-02	4.38E-04	1.46E+01
133XE	1.40E-05	1.66E-06	9.27E-09	4.63E-03

TABLE 1.2 (PAGE 6 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 576

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	71682	TIME	1900
RELEASE COMPLETION	:	DATE	71682	TIME	2315
RELEASE DURATION	:	HRS.	4.25	MIN.	255.
TANK LEVEL [INCHES]	:	INITIAL	124.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	599800.	FINAL	649444.
TOTAL VOLUME RELEASED	:	LITERS	7908.	GALS	2089
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1879026.	GALS	496440.
AVERAGE RELEASE RATE	:	LPM	31.01	GPM	8.19
AVERAGE BLOWDOWN RATE	:	LPM	7368.73	GPM	1946.82

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 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.179	71682	650	4.85E-08	3.07E-07	3.31E-02	5.82E-07	SD1151
B 33.180	71682	655	4.85E-08	2.00E-07	3.36E-02	5.82E-07	SD1152
C 5.060	71682	1750	2.31E-08	6.00E-08	6.34E-07		
D 6.061	71782	330	2.31E-08	6.00E-08	6.95E-06		
E 7.069	71682	2200	2.31E-08	6.00E-08	1.60E-04		
F 8.063	71782	325	2.31E-08	6.00E-03	6.34E-07		
G 9.028	71482	830	2.45E-08	8.41E-08	1.08E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.84E-07	4.85E-08	1.01E-10	N/A
GROSS BETA	2.43E-06	3.07E-07	9.34E-10	3.11E+00
TRITIUM	2.66E-01	3.36E-02	1.41E-04	4.69E+00
133XE	4.60E-06	5.82E-07	2.44E-09	1.22E-03

TABLE 1.2 (PAGE 7 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 577

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	71982	TIME	2103
RELEASE COMPLETION	:	DATE	72082	TIME	122
RELEASE DURATION	:	HRS.	4.32	MIN.	259.
TANK LEVEL [INCHES]	:	INITIAL	126.	FINAL	5.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1325550.	FINAL	1365287.
TOTAL VOLUME RELEASED	:	LITERS	7974.	GALS	2107.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1504046.	GALS	397370.
AVERAGE RELEASE RATE	:	LPM	30.79	GPM	8.13
AVERAGE BLOWDOWN RATE	:	LPM	5807.13	GPM	1534.25

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RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.181	71982	630	2.31E-08	6.92E-08	1.92E-02	1.03E-07	SD1168
B 33.182	71982	635	2.31E-08	6.00E-08	1.91E-02	1.03E-07	SD1169
C 5.061	71982	2030	2.49E-08	5.36E-08	6.25E-07		
D 6.062	72082	445	2.49E-08	5.36E-08	5.95E-06		
E 7.070	71982	2345	2.49E-08	6.81E-08	1.00E-04		
F 8.064	72082	455	2.49E-08	7.46E-08	1.15E-06		
G 9.028	71482	830	2.45E-08	8.41E-08	1.08E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.84E-07	2.31E-08	-7.43E-12	N/A
GROSS BETA	5.52E-07	6.92E-08	-7.87E-11	-2.62E-01
TRITIUM	1.53E-01	1.92E-02	1.01E-04	3.37E+00
133XE	8.21E-07	1.03E-07	5.43E-10	2.72E-04

TABLE 1.2 (PAGE 8 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 578

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	72082	TIME	2036
RELEASE COMPLETION	:	DATE	72182	TIME	55
RELEASE DURATION	:	HRS.	4.32	MIN.	259.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1551000.	FINAL	1594632.
TOTAL VOLUME RELEASED	:	LITERS	8303.	GALS	2194.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1651471.	GALS	436320.
AVERAGE RELEASE RATE	:	LPM	32.06	GPM	8.47
AVERAGE BLOWDOWN RATE	:	LPM	6376.34	GPM	1684.63

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RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.183	72082	1045	2.09E-08	5.95E-08	1.24E-02	2.36E-07	SD1182
B 33.184	72082	1050	2.09E-08	5.95E-08	1.24E-02	2.36E-07	SD1183
C 5.062	72082	1950	2.49E-08	5.36E-08	6.23E-07		
D 6.063	72182	410	2.49E-08	5.36E-08	6.43E-06		
E 7.071	72182	15	2.49E-08	5.36E-08	6.57E-05		
F 8.065	72182	400	2.49E-08	5.36E-08	1.06E-06		
G 9.029	72082	900	1.91E-08	5.60E-08	7.72E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.73E-07	2.09E-08	8.95E-12	N/A
GROSS BETA	4.94E-07	5.95E-08	1.77E-11	5.89E-02
TRITIUM	1.03E-01	1.24E-02	6.21E-05	2.07E+00
133XE	1.96E-06	2.36E-07	1.18E-09	5.90E-04

TABLE 1.2 (PAGE 9 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 579

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	72182	TIME	1850
RELEASE COMPLETION	:	DATE	72182	TIME	2315
RELEASE DURATION	:	HRS.	4.42	MIN.	265.
TANK LEVEL [INCHES]	:	INITIAL	126.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1765300.	FINAL	1807300.
TOTAL VOLUME RELEASED	:	LITERS	3172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1789700.	GALS	420000.
AVERAGE RELEASE RATE	:	LPM	30.84	GPM	8.15
AVERAGE BLOWDOWN RATE	:	LPM	5998.87	GPM	1584.91

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.185	72182	1000	2.49E-08	8.87E-08	1.50E-02	1.07E-06	SD1190
B 33.186	72182	1005	2.49E-08	1.15E-07	1.51E-02	1.07E-06	SD1191
C 5.063	72182	1755	1.87E-08	5.60E-08	6.23E-07		
D 6.064	72282	210	1.67E-08	5.60E-08	3.28E-06		
E 7.072	72182	2147	3.34E-08	6.07E-08	7.87E-05		
F 8.066	72282	155	2.38E-08	7.12E-08	6.25E-07		
G 9.029	72082	900	1.91E-08	5.60E-08	7.72E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.03E-07	2.49E-08	2.96E-11	N/A
GROSS BETA	9.41E-07	1.15E-07	3.03E-10	1.01E+00
TRITIUM	1.23E-01	1.51E-02	7.71E-05	2.57E+00
133XE	8.74E-06	1.07E-06	5.47E-09	2.74E-03

TABLE 1.2 (PAGE 10 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 580

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	72482	TIME	2025
RELEASE COMPLETION	:	DATE	72582	TIME	43
RELEASE DURATION	:	HRS.	4.30	MIN.	258.
TANK LEVEL [INCHES]	:	INITIAL	124.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2524600.	FINAL	2568242.
TOTAL VOLUME RELEASED	:	LITERS	7974.	GALS	2107.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1651850.	GALS	436420.
AVERAGE RELEASE RATE	:	LPM	30.91	GPM	8.17
AVERAGE BLOWDOWN RATE	:	LPM	6402.52	GPM	1691.55

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.187	72482	702	1.75E-08	1.99E-07	9.53E-02	1.60E-06	SD1210
B 33.188	72482	707	1.59E-08	1.82E-07	9.62E-02	1.60E-06	SD1211
C 5.064	72482	2005	1.31E-08	6.44E-08	6.54E-07		
D 6.065	72582	355	2.37E-08	6.80E-08	7.85E-07		
E 7.073	72482	2330	1.42E-08	6.44E-08	2.53E-04		
F 8.067	72582	350	3.79E-08	6.44E-08	6.54E-07		
G 9.029	72082	900	1.91E-08	5.60E-08	7.72E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.39E-07	1.75E-08	7.65E-12	N/A
GROSS BETA	1.59E-06	1.99E-07	6.87E-10	2.29E+00
TRITIUM	7.37E-01	9.62E-02	4.62E-04	1.54E+01
133XE	1.28E-05	1.60E-06	7.69E-09	3.84E-03

TABLE 1.2 (PAGE 11 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 581

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	72782	TIME	1903
RELEASE COMPLETION	:	DATE	72782	TIME	2330
RELEASE DURATION	:	HRS.	4.45	MIN.	267.
TANK LEVEL [INCHES]	:	INITIAL	120.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3272100.	FINAL	3326047.
TOTAL VOLUME RELEASED	:	LITERS	7776.	GALS	2054.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2041894.	GALS	539470.
AVERAGE RELEASE RATE	:	LPM	29.12	GPM	7.69
AVERAGE BLOWDOWN RATE	:	LPM	7647.54	GPM	2020.49

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.189	72782	735	1.82E-08	6.44E-08	1.87E-02	1.43E-06	SD1226
B 33.190	72782	740	1.31E-08	6.44E-08	1.85E-02	1.43E-06	SD1227
C 5.065	72782	1845	1.87E-08	6.07E-08	6.50E-07		
D 6.066	72882	300	1.87E-08	6.07E-08	4.55E-06		
E 7.074	72882	2230	1.87E-08	6.07E-08	7.07E-05		
F 8.068	72882	255	1.91E-08	6.07E-08	6.50E-07		
G 9.030	72782	930	6.72E-08	5.94E-08	6.65E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.42E-07	1.82E-08	-1.86E-10	N/A
GROSS BETA	5.01E-07	6.44E-08	1.89E-11	6.29E-02
TRITIUM	1.46E-01	1.87E-08	7.11E-05	2.37E+00
133XE	1.11E-05	1.43E-06	5.43E-09	2.71E-03

TABLE 1.2 (PAGE 12 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 582

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	8 282	TIME	1955
RELEASE COMPLETION	:	DATE	8 382	TIME	1
RELEASE DURATION	:	HRS.	4.10	MIN.	246.
TANK LEVEL [INCHES]	:	INITIAL	120.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4962981.	FINAL	5009800.
TOTAL VOLUME RELEASED	:	LITERS	7644.	GALS	2020.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1772099.	GALS	468190.
AVERAGE RELEASE RATE	:	LPM	31.07	GPM	8.21
AVERAGE BLOWDOWN RATE	:	LPM	7203.66	GPM	1903.21

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.192	8 282	605	1.88E-08	1.72E-07	2.03E-02	3.80E-06	SD1253
B 33.193	8 282	600	1.88E-08	1.51E-07	2.03E-02	3.80E-06	SD1254
C 5.066	8 282	1915	2.86E-08	5.58E-08	6.10E-07		
D 6.067	8 382	245	1.87E-08	5.58E-08	6.10E-07		
E 7.075	8 282	2235	1.87E-08	5.58E-08	8.64E-05		
F 8.069	8 382	245	1.87E-08	5.84E-08	6.44E-06		
G 9.031	8 382	815	2.87E-08	6.16E-08	8.70E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.44E-07	1.88E-08	-4.27E-11	N/A
GROSS BETA	1.32E-06	1.72E-07	4.75E-10	1.58E+00
TRITIUM	1.55E-01	2.03E-02	8.72E-05	2.91E+00
133XE	2.90E-05	3.80E-06	1.63E-08	8.16E-03

TABLE 1.2 (PAGE 13 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 583

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	8 782	TIME	1915
RELEASE COMPLETION	:	DATE	8 782	TIME	2220
RELEASE DURATION	:	HRS.	3.08	MIN.	185.
TANK LEVEL [INCHES]	:	INITIAL	94.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6334361.	FINAL	6372351.
TOTAL VOLUME RELEASED	:	LITERS	5931.	GALS	1567.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1437922.	GALS	379900.
AVERAGE RELEASE RATE	:	LPM	32.06	GPM	8.47
AVERAGE BLOWDOWN RATE	:	LPM	7772.55	GPM	2053.51

DESCRIPTIONS :

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- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNC UCI/ML	MCA NUMBER
A 33.194	8 782	605	1.86E-08	6.68E-08	5.39E-03	2.73E-06	SD1279
B 33.195	8 782	610	1.86E-08	8.96E-08	6.40E-03	2.73E-06	SD1280
C 5.067	8 782	1830	1.87E-08	7.46E-08	6.03E-07		
D 6.068	8 882	120	1.87E-08	5.84E-08	6.23E-07		
E 7.076	8 782	2112	4.29E-08	6.48E-08	2.31E-05		
F 8.070	8 882	110	1.87E-08	5.58E-08	1.30E-06		
G 9.031	8 382	815	2.87E-08	6.16E-08	8.70E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.10E-07	1.86E-08	4.16E-11	N/A
GROSS BETA	5.32E-07	8.96E-08	1.15E-10	3.84E-01
TRITIUM	3.80E-02	6.40E-03	2.63E-05	8.77E-01
133XE	1.62E-05	2.73E-06	1.12E-08	5.61E-03

TABLE 1.2 (PAGE 14 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER 584

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	81282	TIME	2025
RELEASE COMPLETION	:	DATE	81382	TIME	58
RELEASE DURATION	:	HRS.	4.55	MIN.	273.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7695867.	FINAL	7744240.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1830918.	GALS	483730.
AVERAGE RELEASE RATE	:	LPM	30.66	GPM	8.10
AVERAGE BLOWDOWN RATE	:	LPM	6706.66	GPM	1771.90

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.196	81282	610	1.87E-08	5.90E-08	6.26E-03	1.36E-06	SD1307
B 33.197	81282	615	1.87E-08	5.77E-08	6.16E-03	1.36E-06	SD1309
C 5.068	81282	2010	1.62E-08	6.13E-08	6.23E-07		
D 6.069	81382	420	1.62E-08	6.13E-08	6.23E-07		
E 7.077	81282	2340	1.62E-08	6.13E-08	2.68E-05		
F 8.071	81382	400	3.35E-08	6.13E-08	7.48E-07		
G 9.032	81082	1015	2.87E-08	5.63E-08	1.32E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.57E-07	1.87E-08	-4.52E-11	N/A
GROSS BETA	4.94E-07	5.90E-08	1.26E-11	4.18E-02
TRITIUM	5.24E-02	6.26E-03	2.85E-05	9.49E-01
133XE	1.14E-05	1.36E-06	6.19E-09	3.09E-03

TABLE 1.2 (PAGE 15 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 585

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	81782	TIME	1818
RELEASE COMPLETION	:	DATE	81782	TIME	2214
RELEASE DURATION	:	HRS.	3.93	MIN.	236.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	1.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8965340.	FINAL	9007175.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1583455.	GALS	418350.
AVERAGE RELEASE RATE	:	LPM	35.46	GPM	9.37
AVERAGE BLOWDOWN RATE	:	LPM	6709.55	GPM	1772.67

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI./ML	DNG UCI/ML	MCA NUMBER
A 33.198	81782	530	1.88E-08	1.01E-07	3.29E-03	6.54E-07	SD1329
B 33.199	81782	530	1.88E-08	7.92E-08	3.38E-03	6.54E-07	SD1330
C 5.069	81782	1750	4.31E-08	5.86E-08	6.38E-07		
D 6.070	81882	110	1.44E-08	6.48E-08	8.47E-07		
E 7.078	81782	2115	2.39E-08	5.86E-08	1.61E-05		
F 8.072	81882	100	5.27E-08	5.86E-08	4.43E-06		
G 9.033	81782	755	4.79E-08	5.86E-08	1.24E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.58E-07	1.88E-08	-1.53E-10	N/A
GROSS BETA	8.43E-07	1.01E-07	2.22E-10	7.39E-01
TRITIUM	2.83E-02	3.38E-03	1.77E-05	5.92E-01
133XE	5.47E-06	6.54E-07	3.44E-09	1.72E-03

TABLE 1.2 (PAGE 16 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 586

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	82382	TIME	1839
RELEASE COMPLETION	:	DATE	82382	TIME	2235
RELEASE DURATION	:	HRS.	3.93	MIN.	236.
TANK LEVEL [INCHES]	:	INITIAL	112.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	435970.	FINAL	474140.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1444735.	GALS	381700.
AVERAGE RELEASE RATE	:	LPM	30.72	GPM	8.12
AVERAGE BLOWDOWN RATE	:	LPM	6121.76	GPM	1617.37

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.200	82282	837	1.86E-08	5.93E-08	1.69E-03	1.92E-07	SD1358
B 33.201	82282	842	1.86E-08	6.65E-08	1.68E-03	1.92E-07	SD1359
C 5.070	82382	1800	1.69E-08	5.45E-08	6.24E-07		
D 6.071	82482	225	1.69E-08	5.45E-08	6.24E-07		
E 7.079	82382	2110	1.69E-08	5.45E-08	9.40E-06		
F 8.072	81882	100	5.27E-08	5.86E-08	4.43E-06		
G 9.034	82582	1130	3.48E-08	5.45E-08	1.14E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.35E-07	1.86E-08	8.06E-11	N/A
GROSS BETA	4.82E-07	6.65E-08	6.01E-11	2.00E-01
TRITIUM	1.23E-02	1.69E-03	8.44E-06	2.81E-01
133XE	1.39E-06	1.92E-07	9.59E-10	4.79E-04

TABLE 1.2 (PAGE 17 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 587

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	82682	TIME	2025
RELEASE COMPLETION	:	DATE	82782	TIME	45
RELEASE DURATION	:	HRS.	4.33	MIN.	260.
TANK LEVEL [INCHES]	:	INITIAL	125.	FINAL	4.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	1269900.	FINAL	1328346.
TOTAL VOLUME RELEASED	:	LITERS	7974.	GALS	2107.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2212181.	GALS	584460.
AVERAGE RELEASE RATE	:	LPM	30.67	GPM	8.10
AVERAGE BLOWDOWN RATE	:	LPM	8508.39	GPM	2247.92

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.202	82582	645	1.69E-08	5.45E-08	8.91E-04	1.82E-07	SD1372
B 33.203	82582	650	1.69E-08	5.45E-08	8.68E-04	1.82E-07	SD1373
C 5.071	82682	2000	1.36E-08	5.47E-08	6.39E-07		
D 6.072	82782	415	1.36E-08	5.47E-08	6.18E-07		
E 7.080	82682	2300	1.47E-08	5.47E-08	3.54E-06		
F 8.074	82782	410	2.94E-08	5.47E-08	9.03E-07		
G 9.034	82582	1130	3.48E-08	5.45E-08	1.14E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.34E-07	1.69E-08	6.43E-11	N/A
GROSS BETA	4.35E-07	5.45E-08	1.28E-17	4.25E-08
TRITIUM	7.10E-03	8.91E-04	3.20E-06	1.07E-01
133XE	1.45E-06	1.82E-07	6.54E-10	3.27E-04

TABLE 1.2 (PAGE 18 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 588

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	83182	TIME	1925
RELEASE COMPLETION	:	DATE	83182	TIME	2330
RELEASE DURATION	:	HRS.	4.08	MIN.	245.
TANK LEVEL [INCHES]	:	INITIAL	119.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2790700.	FINAL	2842900.
TOTAL VOLUME RELEASED	:	LITERS	7644.	GALS	2020.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1975770.	GALS	522000.
AVERAGE RELEASE RATE	:	LPM	31.20	GPM	8.24
AVERAGE BLOWDOWN RATE	:	LPM	8064.37	GPM	2130.61

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	NUMBER	
A 33.204	83182	700	1.14E-08	5.65E-08	6.07E-04	1.14E-07	SD1399
B 33.205	83182	655	1.64E-08	5.36E-08	6.09E-04	1.14E-07	SD1400
C 5.072	83182	1915	1.36E-08	5.47E-08	6.26E-07		
D 6.073	9 182	225	2.49E-08	5.86E-08	6.18E-07		
E 7.081	83182	2150	2.49E-08	5.47E-08	2.62E-06		
F 8.075	9 182	235	2.45E-08	5.47E-08	1.49E-06		
G 9.035	83082	900	1.47E-08	5.47E-08	6.57E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.25E-07	1.64E-08	6.47E-12	N/A
GROSS BETA	4.32E-07	5.65E-08	6.86E-12	2.29E-02
TRITIUM	4.65E-03	6.09E-04	2.34E-06	7.81E-02
133XE	8.71E-07	1.14E-07	4.39E-10	2.20E-04

TABLE 1.2 (PAGE 19 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 589

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	9 782	TIME	1515
RELEASE COMPLETION	:	DATE	9 782	TIME	1933
RELEASE DURATION	:	HRS.	4.30	MIN.	258.
TANK LEVEL [INCHES]	:	INITIAL	120.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4681150.	FINAL	4732602.
TOTAL VOLUME RELEASED	:	LITERS	7644.	GALS	2020.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1947458.	GALS	514520.
AVERAGE RELEASE RATE	:	LPM	29.63	GPM	7.83
AVERAGE BLOWDOWN RATE	:	LPM	7548.29	GPM	1994.26

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.206	9 682	1145	9.63E-09	5.30E-08	4.99E-04	9.14E-08	SD1419
B 33.207	9 682	1150	9.70E-09	5.48E-08	5.07E-04	9.14E-08	SD1420
C 5.073	9 782	1430	1.92E-08	8.43E-08	6.31E-07		
D 6.074	9 782	2310	1.92E-08	5.56E-08	6.31E-07		
E 7.082	9 782	1815	1.92E-08	6.23E-08	2.50E-06		
F 8.076	9 782	2315	1.96E-08	5.56E-08	6.94E-07		
G 9.036	9 982	815	1.96E-08	5.55E-08	6.36E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	7.41E-08	9.70E-09	-3.89E-11	N/A
GROSS BETA	4.19E-07	5.48E-08	-2.77E-12	-9.23E-03
TRITIUM	3.88E-03	5.07E-04	1.98E-06	6.60E-02
133XE	6.99E-07	9.14E-08	3.57E-10	1.79E-04

TABLE 1.2 (PAGE 20 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 590

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	91382	TIME	2155
RELEASE COMPLETION	:	DATE	91482	TIME	230
RELEASE DURATION	:	HRS.	4.58	MIN.	275.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6478878.	FINAL	6527700.
TOTAL VOLUME RELEASED	:	LITERS	8303.	GALS	2194.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1847913.	GALS	488220.
AVERAGE RELEASE RATE	:	LPM	30.19	GPM	7.98
AVERAGE BLOWDOWN RATE	:	LPM	6719.68	GPM	1775.35

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.208	91382	620	1.67E-08	6.48E-08	2.58E-04	0.00E-01	SD1450
B 33.209	91382	625	1.67E-08	5.65E-08	2.62E-04	0.00E-01	SD1451
C 5.074	91382	210J	1.47E-08	5.23E-08	6.25E-07		
D 6.075	91482	530	1.36E-08	5.23E-08	6.25E-07		
E 7.083	91482	115	1.47E-08	5.23E-08	6.25E-07		
F 8.077	91482	530	1.36E-08	6.60E-08	9.31E-07		
G 9.037	91582	1115	1.93E-08	5.55E-08	2.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.38E-07	1.67E-08	-1.16E-11	N/A
GROSS BETA	5.38E-07	6.48E-08	4.16E-11	1.39E-01
TRITIUM	2.18E-03	2.62E-04	1.16E-06	3.87E-02

TABLE 1.2 (PAGE 21 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 591

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	91882	TIME	1800
RELEASE COMPLETION	:	DATE	91882	TIME	2237
RELEASE DURATION	:	HRS.	4.62	MIN.	277.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7706710.	FINAL	7754292.
TOTAL VOLUME RELEASED	:	LITERS	8172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1800979.	GALS	475820.
AVERAGE RELEASE RATE	:	LPM	29.50	GPM	7.79
AVERAGE BLOWDOWN RATE	:	LPM	6501.73	GPM	1717.76

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.210	91882	715	1.67E-08	5.69E-08	6.50E-04	0.00E-01	SD1492
B 33.211	91882	720	1.67E-08	5.69E-08	6.49E-04	0.00E-01	SD1493
C 5.075	91882	1710	1.93E-08	5.55E-08	5.96E-07		
D 6.076	91982	207	1.93E-08	5.55E-08	6.01E-07		
E 7.084	91882	2125	1.93E-08	5.55E-08	3.52E-06		
F 8.078	91882	158	1.93E-08	6.95E-08	2.48E-06		
G 9.037	91582	1115	1.93E-08	5.55E-08	2.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.37E-07	1.67E-08	-1.14E-11	N/A
GROSS BETA	4.65E-07	5.69E-08	6.08E-12	2.03E-02
TRITIUM	5.31E-03	6.50E-04	2.92E-06	9.75E-02

TABLE 1.2 (PAGE 22 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 592

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	92082	TIME	2001
RELEASE COMPLETION	:	DATE	92182	TIME	45
RELEASE DURATION	:	HRS.	4.73	MIN.	284.
TANK LEVEL [INCHES]	:	INITIAL	127.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	C228300.	FINAL	8277000.
TOTAL VOLUME RELEASED	:	LITERS	8238.	GALS	2176.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1843295.	GALS	487000.
AVERAGE RELEASE RATE	:	LPM	29.01	GPM	7.66
AVERAGE BLOWDOWN RATE	:	LPM	6490.47	GPM	1714.79

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.212	92082	615	1.93E-08	6.99E-08	1.93E-04	0.00E-01	SD1499
B 33.213	92082	620	1.93E-08	5.55E-08	1.92E-04	0.00E-01	SD1500
C 5.076	92082	1900	2.36E-08	5.36E-08	5.96E-07		
D 6.077	92082	440	2.36E-08	8.04E-08	6.01E-07		
E 7.085	92082	2320	2.36E-08	5.36E-08	1.15E-06		
F 8.079	92182	420	1.97E-08	5.39E-08	1.69E-06		
G 9.038	92182	915	2.94E-08	5.33E-08	6.30E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.59E-07	1.93E-08	4.50E-11	N/A
GROSS BETA	5.76E-07	6.99E-08	7.39E-11	2.46E-01
TRITIUM	1.59E-03	1.93E-04	8.31E-07	2.77E-02

TABLE 1.2 (PAGE 23 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 593

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	92282	TIME	1832
RELEASE COMPLETION	:	DATE	92282	TIME	2300
RELEASE DURATION	:	HRS.	4.47	MIN.	268.
TANK LEVEL [INCHES]	:	INITIAL	126.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8701040.	FINAL	8745310.
TOTAL VOLUME RELEASED	:	LITERS	8106.	GALS	2142.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1675620.	GALS	442700.
AVERAGE RELEASE RATE	:	LPM	30.25	GPM	7.99
AVERAGE BLOWDOWN RATE	:	LPM	6252.31	GPM	1651.87

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.214	92282	505	1.68E-08	9.14E-08	1.80E-04	0.00E-01	SD1516
B 33.215	92282	610	1.68E-08	7.56E-08	1.80E-04	0.00E-01	SD1517
C 5.077	92282	1800	1.37E-08	5.39E-08	7.49E-07		
D 6.078	92382	210	1.37E-08	5.39E-08	7.58E-07		
E 7.086	92382	230	4.44E-08	5.39E-08	1.28E-06		
F 8.080	92382	230	1.37E-08	5.39E-08	1.72E-06		
G 9.038	92182	915	2.94E-08	5.33E-08	6.30E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.36E-07	1.68E-08	-6.06E-11	N/A
GROSS BETA	7.41E-07	9.14E-08	1.84E-10	6.12E-01
TRITIUM	1.46E-03	1.80E-04	8.38E-07	2.79E-02

TABLE 1.2 (PAGE 24 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 594

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	92482	TIME	1815
RELEASE COMPLETION	:	DATE	92482	TIME	2134
RELEASE DURATION	:	HRS.	3.32	MIN.	199.
TANK LEVEL [INCHES]	:	INITIAL	98.	FINAL	5.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9187450.	FINAL	9221280.
TOTAL VOLUME RELEASED	:	LITERS	6129.	GALS	1619.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1280466.	GALS	338300.
AVERAGE RELEASE RATE	:	LPM	30.80	GPM	8.14
AVERAGE BLOWDOWN RATE	:	LPM	6434.50	GPM	1700.00

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.216	92482	510	1.41E-08	6.66E-08	8.17E-05	0.00E-01	SD1531
B 33.217	92482	515	1.37E-08	5.39E-08	8.19E-05	0.00E-01	SD1532
C 5.078	92482	1700	9.64E-09	5.67E-08	6.27E-07		
D 6.079	92582	45	3.44E-08	5.67E-08	6.27E-07		
E 7.087	92482	2032	1.97E-08	5.67E-08	1.57E-06		
F 8.081	92582	40	1.48E-08	5.67E-08	1.82E-06		
G 9.038	92182	915	2.94E-08	5.33E-08	6.30E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	8.61E-08	1.41E-08	7.30E-11	N/A
GROSS BETA	4.08E-07	6.66E-08	6.33E-11	2.11E-01
TRITIUM	5.02E-04	8.19E-05	3.60E-07	1.20E-02

TABLE 1.2 (PAGE 25 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 595

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	92582	TIME	1853
RELEASE COMPLETION	:	DATE	92682	TIME	26
RELEASE DURATION	:	HRS.	5.55	MIN.	333.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	5.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9437930.	FINAL	9489760.
TOTAL VOLUME RELEASED	:	LITERS	8238.	GALS	2176.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1961766.	GALS	518300.
AVERAGE RELEASE RATE	:	LPM	24.74	GPM	6.54
AVERAGE BLOWDOWN RATE	:	LPM	5891.19	GPM	1556.46

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.218	92582	715	9.68E-09	6.76E-08	1.51E-04	0.00E-01	SD1539
B 33.219	92582	720	1.80E-08	5.53E-08	1.50E-04	0.00E-01	SD1540
C 5.079	92582	1845	2.46E-08	5.67E-08	8.30E-07		
D 6.080	92682	300	1.48E-08	7.28E-08	6.27E-07		
E 7.088	92582	2215	2.46E-08	5.67E-08	6.27E-07		
F 8.082	92682	300	2.95E-08	6.19E-08	6.27E-07		
G 9.038	92182	915	2.94E-08	5.33E-08	6.30E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.48E-07	1.80E-08	4.77E-11	N/A
GROSS BETA	5.57E-07	6.76E-08	5.98E-11	1.99E-01
TRITIUM	1.24E-03	1.51E-04	6.05E-07	2.02E-02

TABLE 1.2 (PAGE 26 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 596

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	92782	TIME	1941
RELEASE COMPLETION	:	DATE	92882	TIME	20
RELEASE DURATION	:	HRS.	4.65	MIN.	279.
TANK LEVEL [INCHES]	:	INITIAL	126.	FINAL	6.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9933300.	FINAL	9986311.
TOTAL VOLUME RELEASED	:	LITERS	7908.	GALS	2089.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2006466.	GALS	530110.
AVERAGE RELEASE RATE	:	LPM	28.34	GPM	7.49
AVERAGE BLOWDOWN RATE	:	LPM	7191.64	GPM	1900.04

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.220	92782	540	1.13E-08	5.67E-08	8.01E-05	0.00E-01	SD1544
B 33.221	92782	545	1.30E-08	5.67E-08	7.93E-05	0.00E-01	SD1545
C 5.080	92782	1840	1.47E-08	8.07E-08	6.17E-07		
D 6.081	92882	315	9.60E-09	5.33E-08	1.87E-06		
E 7.089	92782	2245	5.39E-08	6.60E-08	1.25E-06		
F 8.083	92882	305	2.94E-08	5.33E-08	8.78E-07		
G 9.039	92982	1000	1.36E-08	5.49E-08	1.15E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.03E-07	1.30E-08	-2.55E-12	N/A
GROSS BETA	4.48E-07	5.67E-08	6.97E-12	2.32E-02
TRITIUM	6.34E-04	8.01E-05	3.10E-07	1.03E-02

TABLE 1.2 (PAGE 27 OF 27)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 597

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	93082	TIME	1800
RELEASE COMPLETION	:	DATE	93082	TIME	2205
RELEASE DURATION	:	HRS.	4.08	MIN.	245.
TANK LEVEL [INCHES]	:	INITIAL	122.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	801500.	FINAL	855800.
TOTAL VOLUME RELEASED	:	LITERS	7776.	GALS	2054.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2055255.	GALS	543000.
AVERAGE RELEASE RATE	:	LPM	31.74	GPM	8.39
AVERAGE BLOWDOWN RATE	:	LPM	8388.79	GPM	2216.33

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	NCA NUMBER
A 33.222	93082	625	1.36E-08	5.86E-08	3.03E-04	0.00E-01	SD1571
B 33.223	93082	630	1.36E-08	5.86E-08	3.06E-04	0.00E-01	SD1572
C 5.081	93082	1730	2.47E-08	9.14E-08	6.17E-07		
D 6.082	10 182	130	1.48E-08	9.51E-08	1.47E-06		
E 7.090	93082	2030	2.47E-08	4.59E-08	1.42E-06		
F 8.084	10 182	122	9.89E-09	7.32E-08	6.37E-07		
G 9.039	92982	1000	1.36E-08	5.49E-08	1.15E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.06E-07	1.36E-08	0.00E-01	N/A
GROSS BETA	4.56E-07	5.86E-08	1.42E-11	4.73E-02
TRITIUM	2.38E-03	3.06E-04	1.15E-06	3.82E-02

TABLE 1.3: LIQUID EFFLUENT RELEASED VIA THE TURBINE BUILDING SUMP AND THE REACTOR BUILDING SUMP (CONTINUOUS RELEASE)

3 QUARTER 1982

TURBINE BUILDING SUMP

	MONTH	JUL	AUG	SEP	QUARTERLY TOTAL
VOLUME	LITERS	4.63E+06	4.41E+06	3.33E+06	1.24E+07
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	6.28E-05	7.50E-05	5.78E-05	6.54E-05*
	TOTAL CURIES	2.91E-01	3.31E-01	1.92E-01	8.09E-01
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci/ml}$	6.03E-08	5.77E-08	5.46E-08	5.76E-08*
	TOTAL CURIES	2.79E-04	2.54E-04	1.82E-04	7.13E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.46E-08	1.73E-08	1.63E-08	1.95E-08*
	TOTAL CURIES	1.14E-04	7.63E-05	5.43E-05	2.41E-04

REACTOR BUILDING SUMP

	MONTH	JUL	AUG	SEP	QUARTERLY TOTAL
VOLUME	LITERS	1.03E+06	1.15E+06	1.15E+06	3.33E+06
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	2.74E-04	2.23E-04	2.47E-04	2.49E-04*
	TOTAL CURIES	2.82E-01	2.56E-01	2.84E-01	8.29E-01
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci/ml}$	6.13E-08	5.61E-08	5.99E-08	5.93E-08*
	TOTAL CURIES	6.31E-05	6.45E-05	6.89E-05	1.97E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.12E-08	1.71E-08	1.72E-08	1.85E-08*
	TOTAL CURIES	2.18E-05	1.97E-05	1.98E-05	6.16E-05

* Represents "weighted" average

TABLE 2.1 - RADIOACTIVE GASEOUS EFFLUENT RELEASES FOR 3 QUARTER, 1982

	UNITS	JUL	AUG	SEPT	QUARTERLY TOTAL	
1a. Total Noble Gases	Curies	9.56E+01	1.90E+00	1.81E+00	9.93E+01	
1b. Total Tritium	Curies	1.32E+00	9.13E-02	2.92E-01	1.70E+00	
1c. Total Halogens	Curies					
1d. Total Particulate Gross (β,γ) Activity RT-7325	Curies	4.38E-08	6.74E-08	4.42E-08	1.55E-07	
1e. Total Particulate Gross (Alpha Activity RT-7325	Curies	1.58E-08	1.88E-08	1.07E-08	4.53E-08	
2. Maximum Hourly Release Rate for Any One Hour Period	Ci/hr	2.82E+00	1.51E-02	1.36E-02	2.82E+00	
3. Estimated Total Radioactivity Released by Nuclide (MPCa)						
Particulates	MPCa	Curies				
Halogens	MPCa	Curies				
Gases	MPCa	Curies				
3H	2.00E-07		1.32E+00	9.13E-02	2.92E-01	1.70E+00
85Krm	1.00E-07		5.33E-02	4.17E-02	5.03E-02	1.45E+01
85Kr	3.00E-07		5.46E-01	N/A	N/A	5.46E+01
131Xem	4.00E-07		5.94E-01	N/A	N/A	5.94E-01
133Xem	3.00E-07		1.19E+00	4.34E-02	4.34E-02	1.28E+00
133Xe	3.00E-07		9.26E+01	1.44E-00	1.35E+00	9.54E+01
135Xe	1.00E-07		5.63E-01	3.43E-01	3.26E-01	1.23E+00
88Kr	2.00E-08		3.69E-02	3.03E-02	4.41E-02	1.11E-01
87Kr	2.00E-08		2.79E-03	N/A	1.73E-03	4.52E-03

4.7E-05 = 4.7 x 10⁻⁵

5.2E+03 = 5.2 x 10⁺³

NSA means no significant activity.

GAS WASTE SUMMARY FOR RELEASE NUMBER 653

RELEASE START DATE 70182. TIME 1410.
 RELEASE COMPLETION DATE 70282. TIME 330.

RELEASE DURATION 800 MINUTES OR 13.33 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 20.46 CFM

TOTAL VOLUME OF GAS RELEASED 4.64E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 109 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY G

RC-NUMBERS GRAB 34.071 TRITIUM 35.070

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	9.85E-05	2.00E-07	4.92E 02	4.57E-02
85KRM	8.96E-06	1.00E-07	8.96E 01	4.15E-03
85KR	4.91E-04	3.00E-07	1.64E 03	2.28E-01
131XEM	4.69E-04	4.00E-07	1.17E 03	2.17E-01
133XEM	1.78E-04	3.00E-07	5.93E 02	8.25E-02
133XE	3.16E-02	3.00E-07	1.05E 05	1.46E 01
135XE	8.89E-05	1.00E-07	8.89E 02	4.12E-02
88KR	2.88E-06	2.00E-08	1.44E 02	1.33E-03

TOTAL CURIES OF NOBLE GAS RELEASED 1.52E 01

AVERAGE RELEASE RATE 1.15E 00 CI/HR OR 3.18E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.55E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	5.0	7.6	7.3	0.0	0.0	20.0	0.0
PERCENT	0.0	21.4	21.4	21.4	0.0	0.0	7.1	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	6.6	0.0	0.0	0.0	2.0	0.0
PERCENT	0.0	0.0	21.4	0.0	0.0	0.0	7.1	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 654

RELEASE START DATE 70382. TIME 2014.
 RELEASE COMPLETION DATE 70482. TIME 1204.

RELEASE DURATION 950 MINUTES OR 15.83 HOURS

TANK PRESSURES INITIAL 435 PSIG FINAL 30 PSIG

TANK TEMPERATURE 87 DEG-F

AVERAGE RELEASE RATE 18.33 CFM

TOTAL VOLUME OF GAS RELEASED 4.93E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 32000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.072 TRITIUM 35.071

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	7.19E-05	2.00E-07	3.59E 02	3.55E-02
133XEM	1.27E-05	3.00E-07	4.23E 01	6.26E-03
133XE	1.74E-03	3.00E-07	5.80E 03	8.58E-01
135XE	6.93E-06	1.00E-07	6.93E 01	3.42E-03

TOTAL CURIES OF NOBLE GAS RELEASED 8.68E-01

AVERAGE RELEASE RATE 5.70E-02 CI/HR OR 1.58E 01 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.81E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	9.5	10.0	0.0	0.0	5.2
PERCENT	0.0	0.0	0.0	23.5	5.9	0.0	0.0	29.4

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	6.0	0.0	5.0	3.3	2.0	7.0	0.0	0.0
PERCENT	5.9	0.0	5.9	17.6	5.9	5.9	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 655

RELEASE START DATE 70582. TIME 1904.
 RELEASE COMPLETION DATE 70682. TIME 805.

RELEASE DURATION 781 MINUTES OR 13.02 HOURS

TANK PRESSURES INITIAL 415 PSIG FINAL 50 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 20.13 CFM

TOTAL VOLUME OF GAS RELEASED 4.45E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.073 TRITIUM 35.072

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.18E-04	2.00E-07	5.90E 02	5.25E-02
85KRM	4.00E-07	1.00E-07	4.00E 00	1.78E-04
131XEM	2.29E-04	4.00E-07	5.72E 02	1.02E-01
133XEM	3.20E-05	3.00E-07	1.07E 02	1.42E-02
133XE	1.12E-02	3.00E-07	3.73E 04	4.99E 00
135XE	9.10E-06	1.00E-07	9.10E 01	4.05E-03

TOTAL CURIES OF NOBLE GAS RELEASED 5.11E 00

AVERAGE RELEASE RATE 3.96E-01 CI/HR OR 1.10E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.23E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0
PERCENT	7.1	14.3	0.0	7.1	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
PERCENT	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0

PERCENT CALM 64.3

GAS WASTE SUMMARY FOR RELEASE NUMBER 656

RELEASE START DATE 70882. TIME 1910.
 RELEASE COMPLETION DATE 70982. TIME 205.

RELEASE DURATION 415 MINUTES OR 6.92 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 120 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 31.14 CFM

TOTAL VOLUME OF GAS RELEASED 3.66E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.074 TRITIUM 35.073

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.11E-05	2.00E-07	5.55E 01	4.06E-03
85KRM	2.63E-06	1.00E-07	2.63E 01	9.62E-04
133XEM	6.59E-06	3.00E-07	2.20E 01	2.41E-03
133XE	3.90E-04	3.00E-07	1.30E 03	1.43E-01
135XE	4.06E-05	1.00E-07	4.06E 02	1.49E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.61E-01

AVERAGE RELEASE RATE 2.39E-02 CI/HR OR 6.63E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 8.87E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
PERCENT	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	3.4	1.7	0.0	0.0
PERCENT	0.0	0.0	0.0	0.0	12.5	25.0	0.0	0.0

PERCENT CALM 25.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 657

RELEASE START DATE 70982. TIME 1025.
 RELEASE COMPLETION DATE 71082. TIME 104.

RELEASE DURATION 879 MINUTES OR 14.65 HOURS

TANK PRESSURES INITIAL 400 PSIG FINAL 45 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 17.40 CFM

TOTAL VOLUME OF GAS RELEASED 4.33E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.075 TRITIUM 35.074

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.74E-04	2.00E-07	8.70E 02	7.53E-02
85KRM	4.76E-05	1.00E-07	4.76E 02	2.06E-02
87KR	6.45E-06	2.00E-08	3.22E 02	2.79E-03
88KR	4.97E-05	2.00E-08	2.48E 03	2.15E-02
133XEM	1.30E-05	3.00E-07	4.33E 01	5.63E-03
133XE	7.13E-04	3.00E-07	2.38E 03	3.09E-01
135XE	2.01E-04	1.00E-07	2.01E 03	8.70E-02
131XEM	2.12E-05	4.00E-07	5.30E 01	9.18E-03

TOTAL CURIES OF NOBLE GAS RELEASED 4.56E-01

AVERAGE RELEASE RATE 3.52E-02 CI/HR OR 1.01E 01 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.36E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.8	3.5	6.0	14.0	1.2	0.0	0.0	0.0
PERCENT	18.7	12.5	12.5	6.2	6.2	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	3.0	0.0	2.7	3.0	0.0	11.7	0.0	5.1
PERCENT	6.2	0.0	12.5	6.2	0.0	6.2	0.0	12.5

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 658

RELEASE START DATE 71082 TIME 1237.
 RELEASE COMPLETION DATE 71182 TIME 150.

RELEASE DURATION 793 MINUTES OR 13.22 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 48 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 20.75 CFM

TOTAL VOLUME OF GAS RELEASED 4.66E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.076 TRITIUM 35.075

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.24E-04	2.00E-07	1.12E 03	1.04E-01
133XEM	5.27E-06	3.00E-07	1.76E 01	2.46E-03
133XE	3.33E-04	3.00E-07	1.11E 03	1.55E-01
135XE	4.79E-06	1.00E-07	4.79E 01	2.23E-03

TOTAL CURIES OF NOBLE GAS RELEASED 1.60E-01

AVERAGE RELEASE RATE 2.00E-02 CI/HR OR 5.55E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 7.49E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	5.2	8.7	7.7	2.8	5.6	5.0	5.5	0.0
PERCENT	7.1	7.1	14.3	14.3	14.3	14.3	7.1	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 659

RELEASE START DATE 71182. TIME 1715.
 RELEASE COMPLETION DATE 71282. TIME 745.

RELEASE DURATION 870 MINUTES OR 14.50 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 50 PSIG

TANK TEMPERATURE 85 DEG-F

AVERAGE RELEASE RATE 18.35 CFM

TOTAL VOLUME OF GAS RELEASED 4.52E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.077 TRITIUM 35.076

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	8.46E-05	2.00E-07	4.23E 02	3.83E-02
85KRM	2.46E-05	1.00E-07	2.46E 02	1.11E-02
85KR	4.66E-04	3.00E-07	1.55E 03	2.11E-01
88KR	1.44E-05	2.00E-08	7.20E 02	6.51E-03
133XEM	1.82E-03	3.00E-07	6.07E 03	8.23E-01
133XE	8.76E-02	3.00E-07	2.92E 05	3.96E 01
135XE	4.28E-04	1.00E-07	4.28E 03	1.94E-01

TOTAL CURIES OF NOBLE GAS RELEASED 4.09E 01

AVERAGE RELEASE RATE 2.82E 00 CI/HR OR 7.83E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 8.81E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	1.5	0.0	13.5	5.0	2.2	6.7	4.0	0.0
PERCENT	6.2	0.0	6.2	18.7	6.2	6.2	6.2	0.0
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	2.7	4.7	2.2	0.0	2.1	0.0	0.0	0.0
PERCENT	12.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 660

RELEASE START DATE 71382. TIME 1840.
 RELEASE COMPLETION DATE 71482. TIME 754.

RELEASE DURATION 794 MINUTES OR 13.23 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 85 DEG-F

AVERAGE RELEASE RATE 20.65 CFM

TOTAL VOLUME OF GAS RELEASED 4.64E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.078 TRITIUM 35.077

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.39E-04	2.00E-07	6.95E 02	6.45E-02
85KRM	8.55E-07	1.00E-07	8.55E 00	3.97E-04
131XEM	1.50E-04	4.00E-07	3.75E 02	6.97E-02
133XEM	1.91E-04	3.00E-07	6.37E 02	8.87E-02
133XE	1.86E-02	3.00E-07	6.20E 04	8.64E 00
135XE	3.39E-05	1.00E-07	3.39E 02	1.57E-02

TOTAL CURIES OF NOBLE GAS RELEASED 8.81E 00

AVERAGE RELEASE RATE 6.71E-01 CI/HR OR 1.86E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.08E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.1	0.0	0.0	0.0	4.7	0.0	4.7	3.0
PERCENT	14.3	0.0	0.0	0.0	7.1	0.0	7.1	14.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	3.0	4.5	2.8	0.0	4.0	0.0	0.0	4.6
PERCENT	7.1	7.1	7.1	0.0	21.4	0.0	0.0	14.3

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 661

RELEASE START DATE 71582. TIME 1745.
 RELEASE COMPLETION DATE 71682. TIME 802.

RELEASE DURATION 857 MINUTES OR 14.28 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 19.68 CFM

TOTAL VOLUME OF GAS RELEASED 4.77E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.079 TRITIUM 35.078

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.74E-04	2.00E-07	1.37E 03	1.31E-01
85KRM	3.80E-07	1.00E-07	3.80E 00	1.81E-04
85KR	2.25E-04	3.00E-07	7.50E 02	1.07E-01
131XEM	3.00E-04	4.00E-07	7.50E 02	1.43E-01
133XEM	2.35E-04	3.00E-07	7.83E 02	1.12E-01
133XE	3.31E-02	3.00E-07	1.10E 05	1.58E 01
135XE	2.23E-05	1.00E-07	2.23E 02	1.06E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.62E 01

AVERAGE RELEASE RATE 1.14E 00 CI/HR OR 3.17E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.54E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.5
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	6.2	18.7
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	5.2	5.2	5.3	2.0	0.0	0.0	3.3	0.0
PERCENT	18.7	18.7	12.5	18.7	0.0	0.0	6.2	0.0
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 662

RELEASE START DATE 71782. TIME 225
 RELEASE COMPLETION DATE 71782. TIME 350.

RELEASE DURATION 85 MINUTES OR 1.42 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 325 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 53.41 CFM

TOTAL VOLUME OF GAS RELEASED 1.29E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 99 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.080 TRITIUM 35.079

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
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3H	1.02E-04	2.00E-07	5.10E 02	1.31E-02
85KRM	8.60E-07	1.00E-07	8.60E 00	1.11E-04
131XEM	5.61E-05	4.00E-07	1.40E 02	7.21E-03
133XEM	3.29E-05	3.00E-07	1.10E 02	4.23E-03
133XE	5.59E-03	3.00E-07	1.86E 04	7.19E-01
135XE	2.29E-05	1.00E-07	2.29E 02	2.94E-03

TOTAL CURIES OF NOBLE GAS RELEASED 7.33E-01

AVERAGE RELEASE RATE 5.27E-01 CI/HR OR 1.46E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.65E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0
PERCENT	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 663

RELEASE START DATE 71782 TIME 627.
 RELEASE COMPLETION DATE 71782 TIME 1300.

RELEASE DURATION 393 MINUTES OR 6.55 HOURS

TANK PRESSURES INITIAL 460 PSIG FINAL 130 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 36.44 CFM

TOTAL VOLUME OF GAS RELEASED 4.05E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 98 DEG-F FLOWRATE 29000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.081 TRITIUM 35.080

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	3.22E-04	2.00E-07	1.61E 03	1.31E-01
85KRM	4.68E-06	1.00E-07	4.68E 01	1.90E-03
131XEM	7.88E-05	4.00E-07	1.97E 02	3.20E-02
133XEM	4.48E-05	3.00E-07	1.49E 02	1.82E-02
133XE	8.96E-03	3.00E-07	2.99E 04	3.63E 00
135XE	4.41E-05	1.00E-07	4.41E 02	1.79E-02

TOTAL CURIES OF NOBLE GAS RELEASED 3.70E 00

AVERAGE RELEASE RATE 5.85E-01 CI/HR OR 1.63E 02 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.85E 00 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	3.3	3.0	5.5	0.0	0.0	0.0	4.0
PERCENT	0.0	25.0	12.5	12.5	0.0	0.0	0.0	12.5

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	2.2	3.0	2.0	0.0	0.0	0.0	0.0	0.0
PERCENT	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 664

RELEASE START DATE 71782. TIME 1940.
 RELEASE COMPLETION DATE 71882. TIME 1005.

RELEASE DURATION 865 MINUTES OR 14.42 HOURS

TANK PRESSURES INITIAL 450 PSIG FINAL 50 PSIG

TANK TEMPERATURE 83 DEG-F

AVERAGE RELEASE RATE 20.03 CFM

TOTAL VOLUME OF GAS RELEASED 4.91E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 100 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.082 TRITIUM 35.081

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	1.50E-04	2.00E-07	7.50E 02	7.36E-02
85KRM	7.51E-07	1.00E-07	7.51E 00	3.68E-04
131XEM	2.64E-05	4.00E-07	6.60E 01	1.30E-02
133XEM	1.70E-05	3.00E-07	5.67E 01	8.34E-03
133XE	2.81E-03	3.00E-07	9.37E 03	1.38E 00
135XE	2.78E-05	1.00E-07	2.78E 02	1.36E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.41E 00

AVERAGE RELEASE RATE 1.03E-01 CI/HR OR 2.87E 01 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.32E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	0.0	2.6	5.1	3.1	3.2
PERCENT	0.0	0.0	0.0	0.0	6.2	6.2	6.2	6.2
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.2	5.6	1.8	4.2	0.0	0.0	4.2	10.1
PERCENT	18.7	25.0	12.5	6.2	0.0	0.0	6.2	6.2
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 665

RELEASE START DATE 71982. TIME 1833.
 RELEASE COMPLETION DATE 72082. TIME 620.

RELEASE DURATION 707 MINUTES OR 11.78 HOURS

TANK PRESSURES INITIAL 455 PSIG FINAL 70 PSIG

TANK TEMPERATURE 83 DEG-F

AVERAGE RELEASE RATE 23.59 CFM

TOTAL VOLUME OF GAS RELEASED 4.72E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 101 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.083 TRITIUM 35.082

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	1.08E-04	2.00E-07	5.40E 02	5.10E-02
85KRM	9.60E-06	1.00E-07	9.60E 01	4.53E-03
88KR	1.18E-05	2.00E-08	5.90E 02	5.57E-03
133XEM	5.62E-06	3.00E-07	1.87E 01	2.65E-03
133XE	8.91E-04	3.00E-07	2.97E 03	4.21E-01
135XE	4.57E-05	1.00E-07	4.57E 02	2.16E-02

TOTAL CURIES OF NOBLE GAS RELEASED 4.55E-01

AVERAGE RELEASE RATE 4.29E-02 CI/HR OR 1.19E 01 UCI/SEC

PERCENT OF TECH. SPEC LIMIT 1.73E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.5
PERCENT	0.0	0.0	7.7	0.0	0.0	0.0	0.0	23.1

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.3	1.0	2.1	3.2	4.3	4.3	0.0	0.0
PERCENT	7.7	7.7	15.4	15.4	7.7	7.7	0.0	0.0

PERCENT CALM 7.7

GAS WASTE SUMMARY FOR RELEASE NUMBER 666

RELEASE START DATE 72082. TIME 1940.
 RELEASE COMPLETION DATE 72182. TIME 915.

RELEASE DURATION 815 MINUTES (R) 13.58 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 20.16 CFM

TOTAL VOLUME OF GAS RELEASED 4.65E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.084 TRITIUM 35.083

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.49E-04	2.00E-07	7.45E 02	6.93E-02
85KRM	4.57E-07	1.00E-07	4.57E 00	2.13E-04
133XEM	6.56E-06	3.00E-07	2.19E 01	3.05E-03
133XE	1.35E-03	3.00E-07	4.50E 03	6.28E-01
135XE	7.09E-06	1.00E-07	7.09E 01	3.30E-03

TOTAL CURIES OF NOBLE GAS RELEASED 6.35E-01

AVERAGE RELEASE RATE 5.18E-02 CI/HR OR 1.44E 01 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.69E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	7.0	0.0	0.0	8.8	0.0	9.7	15.0
PERCENT	0.0	6.7	0.0	0.0	20.0	0.0	6.7	13.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	5.2	2.8	9.6	2.5
PERCENT	0.0	0.0	0.0	0.0	13.3	13.3	20.0	6.7

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 667

RELEASE START DATE 72182. TIME 1800.
 RELEASE COMPLETION DATE 72282. TIME 515.

RELEASE DURATION 675 MINUTES OR 11.25 HOURS

TANK PRESSURES INITIAL 330 PSIG FINAL 50 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 17.93 CFM

TOTAL VOLUME OF GAS RELEASED 3.43E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 109 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.085 TRITIUM 35.084

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	1.35E-04	2.00E-07	6.75E 02	4.63E-02
135XE	7.93E-07	1.00E-07	7.93E 00	2.72E-04

TOTAL CURIES OF NOBLE GAS RELEASED 2.72E-04

AVERAGE RELEASE RATE 4.14E-03 CI/HR OR 1.15E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.93E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	5.4	0.0	3.3	3.0	0.0	0.0	7.1	0.0
PERCENT	23.1	0.0	7.7	7.7	0.0	0.0	23.1	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	2.1	2.1	0.0	7.3	0.0	7.5	4.0	0.0
PERCENT	7.7	7.7	0.0	7.7	0.0	7.7	7.7	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 668

RELEASE START DATE 72382. TIME 1950.
 RELEASE COMPLETION DATE 72482. TIME 938.

RELEASE DURATION 828 MINUTES OR 13.80 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 45 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 20.55 CFM

TOTAL VOLUME OF GAS RELEASED 4.82E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 28000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.086 TRITIUM 35.085

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.84E-05	2.00E-07	1.42E 02	1.37E-02
85KRM	2.30E-06	1.00E-07	2.30E 01	1.11E-03
133XEM	4.56E-06	3.00E-07	1.52E 01	2.20E-03
135XE	3.83E-05	1.00E-07	3.83E 02	1.85E-02

TOTAL CURIES OF NOBLE GAS RELEASED 2.18E-02

AVERAGE RELEASE RATE 2.57E-03 CI/HR OR 7.13E-01 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.82E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	0.0	0.0	0.0	12.3	18.5
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	20.0	6.7

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	10.9	11.8	0.0	7.7	13.5	3.5
PERCENT	0.0	0.0	20.0	6.7	0.0	20.0	20.0	6.7

PERCENT CALM 0.0

TABLE 2.2 (PAGE 17 OF 50)

GAS WASTE SUMMARY FOR RELEASE NUMBER 669

RELEASE START DATE 72482. TIME 1725.
 RELEASE COMPLETION DATE 72582. TIME 615.

RELEASE DURATION 770 MINUTES OR 12.83 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 85 DEG-F

AVERAGE RELEASE RATE 21.30 CFM

TOTAL VOLUME OF GAS RELEASED 4.64E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 109 DEG-F. FLOWRATE 30500. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.087 TRITIUM 35.086

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	2.23E-05	2.00E-07	1.11E 02	1.04E-02
B5KRM	9.72E-06	1.00E-07	9.72E 01	4.51E-03
B8KR	4.18E-06	2.00E-08	2.09E 02	1.94E-03
133XEM	7.15E-06	3.00E-07	2.38E 01	3.32E-03
133XE	2.55E-04	3.00E-07	8.50E 02	1.18E-01
135XE	9.49E-05	1.00E-07	9.49E 02	4.41E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.72E-01

AVERAGE RELEASE RATE 1.42E-02 CI/HR OR 3.95E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 7.51E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	18.7	18.3	16.6	0.0	0.0	13.4	11.9	0.0
PERCENT	6.7	13.3	13.3	0.0	0.0	13.3	20.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	12.5	14.3	11.0	0.0	0.0	0.0	0.0
PERCENT	0.0	13.3	13.3	6.7	0.0	0.0	0.0	0.0

PERCENT CALM 0.0

TABLE 2.2 (PAGE 18 OF 50)

GAS WASTE SUMMARY FOR RELEASE NUMBER 670

RELEASE START DATE 72682 TIME 2044
 RELEASE COMPLETION DATE 72782 TIME 1008
 RELEASE DURATION 804 MINUTES OR 13.40 HOURS
 TANK PRESSURES INITIAL 440 PSIG FINAL 45 PSIG
 TANK TEMPERATURE 85 DEG-F
 AVERAGE RELEASE RATE 21.20 CFM
 TOTAL VOLUME OF GAS RELEASED 4.83E 08
 REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F FLOWRATE 31000 ACFM
 STABILITY CATAGORY F
 RC-NUMBERS GRAB 34.088 TRITIUM 35.087

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	1.52E-05	2.00E-07	7.60E 01	7.34E-03
85KRM	7.60E-07	1.00E-07	7.60E 00	3.67E-04
133XEM	3.74E-06	3.00E-07	1.25E 01	1.81E-03
133XE	2.70E-04	3.00E-07	9.00E 02	1.30E-01
135XE	1.19E-05	1.00E-07	1.19E 02	5.74E-03

TOTAL CURIES OF NOBLE GAS RELEASED 1.38E-01

AVERAGE RELEASE RATE 1.09E-02 CI/HR OR 3.02E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.72E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.5	5.6	4.2	3.0	0.0	0.0	0.0	2.0
PERCENT	13.3	20.0	13.3	6.7	0.0	0.0	0.0	13.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	5.0	4.2	0.0
PERCENT	0.0	0.0	0.0	0.0	0.0	6.7	26.7	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 671

RELEASE START DATE 72882. TIME 1449.
 RELEASE COMPLETION DATE 72982. TIME 500.

RELEASE DURATION 851 MINUTES OR 14.18 HOURS

TANK PRESSURES INITIAL 450 PSIG FINAL 50 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 20.32 CFM

TOTAL VOLUME OF GAS RELEASED 4.90E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 31500. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.089 TRITIUM 35.088

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	6.89E-04	2.00E-07	3.44E 03	3.37E-01
133XEM	6.38E-06	3.00E-07	2.13E 01	3.12E-03
133XE	2.53E-04	3.00E-07	8.77E 02	1.29E-01
135XE	2.61E-05	1.00E-07	2.61E 02	1.28E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.45E-01

AVERAGE RELEASE RATE 3.40E-02 CI/HR OR 9.44E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.47E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	2.6	3.5	0.0	2.6	3.6	5.7	12.8	0.0
PERCENT	6.2	6.2	0.0	6.2	12.5	25.0	12.5	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	13.0	11.7
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	6.2	25.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 672

RELEASE START DATE 72982 TIME 1855
 RELEASE COMPLETION DATE 73082 TIME 746

RELEASE DURATION 771 MINUTES OR 12.35 HOURS

TANK PRESSURES INITIAL 410 PSIG FINAL 50 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 20.19 CFM

TOTAL VOLUME OF GAS RELEASED 4.41E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 32000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.090 TRITIUM 35.089

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.63E-05	2.00E-07	1.31E 02	1.16E-02
85KRM	1.34E-06	1.00E-07	1.34E 01	5.91E-04
133XEM	8.03E-06	3.00E-07	2.68E 01	3.54E-03
133XE	2.57E-04	3.00E-07	8.57E 02	1.13E-01
135XE	3.67E-05	1.00E-07	3.67E 02	1.62E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.34E-01

AVERAGE RELEASE RATE 1.13E-02 CI/HR OR 3.14E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 4.43E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	2.7	2.2	8.0	0.0	4.1	3.5	4.5
PERCENT	0.0	21.4	14.3	7.1	0.0	7.1	7.1	14.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.5	0.0	0.0	3.1	3.5	0.0	0.0	0.0
PERCENT	7.1	0.0	0.0	7.1	14.3	0.0	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 673

RELEASE START DATE 73182. TIME 1415.
 RELEASE COMPLETION DATE 80182. TIME 536.

RELEASE DURATION 921 MINUTES OR 15.35 HOURS

TANK PRESSURES INITIAL 435 PSIG FINAL 45 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 18.31 CFM

TOTAL VOLUME OF GAS RELEASED 4.77E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.091 TRITIUM 35.090

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.23E-05	2.00E-07	6.15E 01	5.87E-03
85KRM	4.14E-06	1.00E-07	4.14E 01	1.98E-03
133XEM	1.15E-05	3.00E-07	3.83E 01	5.49E-03
133XE	3.11E-04	3.00E-07	1.04E 03	1.48E-01
135XE	6.91E-05	1.00E-07	6.91E 02	3.30E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.89E-01

AVERAGE RELEASE RATE 1.27E-02 CI/HR OR 3.53E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 5.38E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	12.5	0.0	4.9	5.3	0.0	0.0	0.0
PERCENT	0.0	5.9	0.0	17.6	35.3	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	3.7	6.0	5.0	2.5	4.0	9.0	0.0
PERCENT	0.0	5.9	11.8	5.9	5.9	5.9	5.9	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 674

RELEASE START DATE 80482. TIME 45.
 RELEASE COMPLETION DATE 80482. TIME 1600.

RELEASE DURATION 915 MINUTES OR 15.25 HOURS

TANK PRESSURES INITIAL 470 PSIG FINAL 50 PSIG

TANK TEMPERATURE 73 DEG-F

AVERAGE RELEASE RATE 20.26 CFM

TOTAL VOLUME OF GAS RELEASED 5.25E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 98 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.092 TRITIUM 35.091

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	1.13E-05	2.00E-07	5.65E 01	5.93E-03
133XEM	6.69E-06	3.00E-07	2.23E 01	3.51E-03
133XE	2.02E-04	3.00E-07	6.73E 02	1.06E-01
135XE	1.08E-05	1.00E-07	1.08E 02	5.67E-03

TOTAL CURIES OF NOBLE GAS RELEASED 1.15E-01

AVERAGE RELEASE RATE 7.94E-03 CI/HR OR 2.21E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.74E-02 %

METEORLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	2.5	0.0	15.2	5.9	0.0	7.0	0.0	0.0
PERCENT	5.9	0.0	11.8	11.8	0.0	11.8	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.6	13.5	0.0	21.3	12.7	0.0	0.0	4.3
PERCENT	11.8	11.8	0.0	11.8	17.6	0.0	0.0	5.9

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 675

RELEASE START DATE 80582. TIME 1830.
 RELEASE COMPLETION DATE 80682. TIME 1103.

RELEASE DURATION 993 MINUTES OR 16.55 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 45 PSIG

TANK TEMPERATURE 70 DEG-F

AVERAGE RELEASE RATE 17.65 CFM

TOTAL VOLUME OF GAS RELEASED 4.96E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.093 TRITIUM 35.092

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	8.83E-06	2.00E-07	4.41E 01	4.38E-03
85KRM	5.85E-06	1.00E-07	5.85E 01	2.90E-03
133XEM	8.83E-06	3.00E-07	2.94E 01	4.38E-03
133XE	2.28E-04	3.00E-07	7.60E 02	1.13E-01
135XE	7.21E-05	1.00E-07	7.21E 02	3.58E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.56E-01

AVERAGE RELEASE RATE 9.71E-03 CI/HR OR 2.70E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 4.48E-02 %

METEORLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	9.7	1.5	5.2	7.5	0.0	8.5	5.0	9.5
PERCENT	5.6	5.6	11.1	11.1	0.0	5.6	5.6	5.6
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	8.1	0.0	2.0	9.0	0.0	4.3	15.2	0.0
PERCENT	5.6	0.0	5.6	11.1	0.0	22.2	5.6	0.0
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 676

RELEASE START DATE 80782. TIME 1840.
 RELEASE COMPLETION DATE 80882. TIME 1104.

RELEASE DURATION 984 MINUTES OR 16.40 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 49 PSIG

TANK TEMPERATURE 86 DEG-F

AVERAGE RELEASE RATE 16.68 CFM

TOTAL VOLUME OF GAS RELEASED 4.65E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 107 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.094 TRITIUM 35.093

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.10E-05	2.00E-07	5.50E 01	5.11E-03
85KRM	4.03E-07	1.00E-07	4.03E 00	1.87E-04
133XEM	6.72E-06	3.00E-07	2.24E 01	3.12E-03
133XE	1.99E-04	3.00E-07	6.63E 02	9.25E-02
135XE	1.38E-05	1.00E-07	1.38E 02	6.41E-03

TOTAL CURIES OF NOBLE GAS RELEASED 1.02E-01

AVERAGE RELEASE RATE 6.54E-03 CI/HR OR 1.82E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.32E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	7.0	3.8	14.7	0.0	2.8	4.7
PERCENT	0.0	0.0	5.6	11.1	5.6	0.0	16.7	11.1

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	10.7	0.0	4.4	13.9	0.0	3.5	7.0
PERCENT	0.0	11.1	0.0	11.1	11.1	0.0	5.6	11.1

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 677

RELEASE START DATE 80982. TIME 1845.
 RELEASE COMPLETION DATE 81082. TIME 1015.

RELEASE DURATION 930 MINUTES OR 15.50 HOURS

TANK PRESSURES INITIAL 415 PSIG FINAL 45 PSIG

TANK TEMPERATURE 87 DEG-F

AVERAGE RELEASE RATE 17.11 CFM

TOTAL VOLUME OF GAS RELEASED 4.50E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY D

RC-NUMBERS GRAB 34.095 TRITIUM 35.094

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.10E-05	2.00E-07	5.50E 01	4.96E-03
85KRM	3.50E-05	1.00E-07	3.50E 02	1.58E-02
89KR	4.00E-05	2.00E-08	2.00E 03	1.80E-02
133XEM	1.23E-05	3.00E-07	4.10E 01	5.54E-03
133XE	2.52E-04	3.00E-07	8.40E 02	1.14E-01
135XE	1.68E-04	1.00E-07	1.68E 03	7.57E-02

TOTAL CURIES OF NOBLE GAS RELEASED 2.29E-01

AVERAGE RELEASE RATE 1.51E-02 CI/HR OR 4.18E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.34E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	7.7	5.7	7.5	0.0	12.0	5.7
PERCENT	0.0	0.0	6.2	18.7	6.2	0.0	6.2	12.5

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	12.5	0.0	0.0	5.0	6.3	0.0	8.1
PERCENT	0.0	12.5	0.0	0.0	12.5	6.2	0.0	18.7

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 678

RELEASE START DATE 81182. TIME 1810.
 RELEASE COMPLETION DATE 81282. TIME 850.

RELEASE DURATION 880 MINUTES OR 14.67 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 19.23 CFM

TOTAL VOLUME OF GAS RELEASED 4.79E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 98 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.096 TRITIUM 35.095

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.26E-05	2.00E-07	6.30E 01	6.04E-03
85KRM	1.81E-06	1.00E-07	1.81E 01	8.67E-04
133XEM	5.04E-06	3.00E-07	1.68E 01	2.42E-03
133XE	2.35E-04	3.00E-07	7.83E 02	1.13E-01
135XE	3.38E-05	1.00E-07	3.38E 02	1.62E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.32E-01

AVERAGE RELEASE RATE 9.42E-03 CI/HR OR 2.62E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.69E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	5.2	0.0	0.0	0.0	5.0
PERCENT	0.0	0.0	0.0	6.7	0.0	0.0	0.0	13.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	12.3	15.6	26.5	3.7	4.7	13.3	0.0	0.0
PERCENT	13.3	40.0	6.7	6.7	6.7	6.7	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 679

RELEASE START DATE 81482. TIME 130.
 RELEASE COMPLETION DATE 81482. TIME 1600.

RELEASE DURATION 870 MINUTES OR 14.50 HOURS

TANK PRESSURES INITIAL 435 PSIG FINAL 48 PSIG

TANK TEMPERATURE 80 DEG-F

AVERAGE RELEASE RATE 19.37 CFM

TOTAL VOLUME OF GAS RELEASED 4.77E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.097 TRITIUM 35.096

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	6.88E-06	2.00E-07	3.44E 01	3.28E-03
85KRM	1.22E-06	1.00E-07	1.22E 01	5.82E-04
133XEM	7.93E-06	3.00E-07	2.64E 01	3.78E-03
133XE	2.31E-04	3.00E-07	7.70E 02	1.10E-01
135XE	3.24E-05	1.00E-07	3.24E 02	1.55E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.30E-01

AVERAGE RELEASE RATE 9.20E-03 CI/HR OR 2.56E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.56E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	4.0	0.0	0.0	0.0	5.2	2.4
PERCENT	0.0	0.0	6.7	0.0	0.0	0.0	26.7	13.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	4.0	0.0	6.0	10.5	3.6	0.7
PERCENT	0.0	0.0	6.7	0.0	6.7	6.7	26.7	6.7

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 680

RELEASE START DATE 81682. TIME 1915.
 RELEASE COMPLETION DATE 81782. TIME 915.

RELEASE DURATION 840 MINUTES OR 14.00 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 19.63 CFM

TOTAL VOLUME OF GAS RELEASED 4.67E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY D

RC-NUMBERS GRAB 34.098 TRITIUM 35.097

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.53E-05	2.00E-07	7.65E 01	7.14E-03
85KRM	1.00E-05	1.00E-07	1.00E 02	4.67E-03
88KR	6.05E-06	2.00E-08	3.02E 02	2.82E-03
133XEM	7.98E-06	3.00E-07	2.66E 01	3.73E-03
133XE	2.46E-04	3.00E-07	8.20E 02	1.15E-01
135XE	7.82E-05	1.00E-07	7.82E 02	3.65E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.63E-01

AVERAGE RELEASE RATE 1.21E-02 CI/HR OR 3.37E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 6.51E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	13.1	3.5	9.9	5.5	13.0	16.0	14.2
PERCENT	0.0	6.7	13.3	13.3	6.7	6.7	6.7	13.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	11.1	13.8	10.6	5.7	0.0	0.0	0.0	9.0
PERCENT	6.7	6.7	6.7	6.7	0.0	0.0	0.0	6.7

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 681

RELEASE START DATE 81882 TIME 1900.
 RELEASE COMPLETION DATE 81982 TIME 900.

RELEASE DURATION 840 MINUTES OR 11.00 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 50 PSIG

TANK TEMPERATURE 85 DEG-F

AVERAGE RELEASE RATE 19.01 CFM

TOTAL VOLUME OF GAS RELEASED 4.52E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 98 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.099 TRITIUM 35.098

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.52E-05	2.00E-07	1.26E 02	1.14E-02
133XE	2.38E-04	3.00E-07	7.93E 02	1.08E-01
85KRM	2.05E-06	1.00E-07	2.05E 01	9.27E-04
133XEM	9.46E-06	3.00E-07	3.15E 01	4.28E-03
135XE	4.53E-05	1.00E-07	4.53E 02	2.05E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.33E-01

AVERAGE RELEASE RATE 1.03E-02 CI/HR OR 2.87E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 4.26E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	4.3	4.7	0.0	0.0	0.0	0.0	3.6	0.0
PERCENT	14.3	7.1	0.0	0.0	0.0	0.0	7.1	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	3.7	3.7	0.0	2.1	14.1	11.4	5.0	11.2
PERCENT	7.1	7.1	0.0	7.1	14.3	14.3	7.1	14.3

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 682

RELEASE START DATE 82082 TIME 1835.
 RELEASE COMPLETION DATE 82182 TIME 900.

RELEASE DURATION 865 MINUTES OR 14.42 HOURS

TANK PRESSURES INITIAL 425 PSIG FINAL 50 PSIG

TANK TEMPERATURE 85 DEG-F

AVERAGE RELEASE RATE 18.71 CFM

TOTAL VOLUME OF GAS RELEASED 4.58E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY B

RC-NUMBERS GRAB 34.100 TRITIUM 35.099

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	9.05E-06	2.00E-07	4.52E 01	4.15E-03
85KRM	6.76E-07	1.00E-07	6.76E 00	3.10E-04
133XEM	6.61E-06	3.00E-07	2.20E 01	3.03E-03
133XE	2.36E-04	3.00E-07	7.87E 02	1.08E-01
135XE	2.31E-05	1.00E-07	2.31E 02	1.06E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.22E-01

AVERAGE RELEASE RATE 8.76E-03 CI/HR OR 2.43E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.21E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	7.5	7.2	5.5	3.8	9.8	6.5	0.0	0.0
PERCENT	12.5	6.2	18.7	6.2	6.2	6.2	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	9.5	10.5	15.6	0.0	2.2	4.7	0.0	0.0
PERCENT	12.5	12.5	6.2	0.0	6.2	6.2	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 683

RELEASE START DATE 82282. TIME 1235.
 RELEASE COMPLETION DATE 82382. TIME 620.

RELEASE DURATION 1065 MINUTES OR 17.75 HOURS

TANK PRESSURES INITIAL 450 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 16.30 CFM

TOTAL VOLUME OF GAS RELEASED 4.92E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.101 TRITIUM 35.100

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	1.65E-05	2.00E-07	8.25E 01	8.11E-03
133XE	2.47E-04	3.00E-07	8.23E 02	1.21E-01
85KRM	2.29E-05	1.00E-07	2.29E 02	1.13E-02
88KR	1.77E-05	2.00E-08	8.85E 02	8.70E-03
133XEM	5.75E-06	3.00E-07	1.92E 01	2.83E-03
135XE	1.28E-04	1.00E-07	1.28E 03	6.29E-02

TOTAL CURIES OF NOBLE GAS RELEASED 2.07E-01

AVERAGE RELEASE RATE 1.21E-02 CI/HR OR 3.37E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 8.51E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	17.1	9.6	6.2	10.9	5.0	11.5	0.0	11.0
PERCENT	21.1	5.3	5.3	15.8	5.3	5.3	0.0	5.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	3.5	8.1	4.6	0.0	7.0	0.0	3.8
PERCENT	0.0	5.3	10.5	5.3	0.0	5.3	0.0	10.5

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 684

RELEASE START DATE 82482. TIME 1752.
 RELEASE COMPLETION DATE 82582. TIME 856.

RELEASE DURATION 904 MINUTES OR 15.07 HOURS

TANK PRESSURES INITIAL 435 PSIG FINAL 48 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 18.58 CFM

TOTAL VOLUME OF GAS RELEASED 4.76E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.102 TRITIUM 35.101

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.73E-05	2.00E-07	8.65E 01	8.23E-03
85KRM	2.44E-06	1.00E-07	2.44E 01	1.16E-03
133XEM	4.49E-06	3.00E-07	1.50E 01	2.14E-03
133XE	2.09E-04	3.00E-07	6.97E 02	9.94E-02
135XE	3.80E-05	1.00E-07	3.80E 02	1.81E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.21E-01

AVERAGE RELEASE RATE 8.56E-03 CI/HR OR 2.38E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.51E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	5.5	6.3	0.0	0.0	14.0	8.8	8.5	0.0
PERCENT	6.2	6.2	0.0	0.0	6.2	37.5	6.2	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.3
PERCENT	0.0	0.0	0.0	6.2	0.0	0.0	0.0	31.2

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 685

RELEASE START DATE 82682. TIME 2150.
 RELEASE COMPLETION DATE 82782. TIME 1250.

RELEASE DURATION 900 MINUTES OR 15.00 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 50 PSIG

TANK TEMPERATURE 80 DEG-F

AVERAGE RELEASE RATE 18.39 CFM

TOTAL VOLUME OF GAS RELEASED 4.69E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.103 TRITIUM 35.102

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
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3H	3.23E-05	2.00E-07	1.61E 02	1.51E-02
133XEM	2.82E-06	3.00E-07	9.40E 00	1.32E-03
133XE	1.58E-04	3.00E-07	5.27E 02	7.40E-02
135XE	1.90E-06	1.00E-07	1.90E 01	8.90E-04

TOTAL CURIES OF NOBLE GAS RELEASED 7.63E-02

AVERAGE RELEASE RATE 6.09E-03 CI/HR OR 1.69E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.07E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	28.0	0.0	1.8	7.3	9.2	6.5	0.0	0.0
PERCENT	6.2	0.0	6.2	25.0	18.7	18.7	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	12.5	22.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.5

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 686

RELEASE START DATE 82882. TIME 1810.
 RELEASE COMPLETION DATE 82982. TIME 400.

RELEASE DURATION 590 MINUTES OR 9.83 H/JRS

TANK PRESSURES INITIAL 340 PSIG FINAL 77 PSIG

TANK TEMPERATURE 83 DEG-F

AVERAGE RELEASE RATE 19.31 CFM

TOTAL VOLUME OF GAS RELEASED 3.23E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.104 TRITIUM 35.103

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	7.11E-06	2.00E-07	3.55E 01	2.29E-03
133XE	2.28E-04	3.00E-07	7.60E 02	7.35E-02
85KRM	6.99E-06	1.00E-07	6.99E 01	2.25E-03
88KR	2.37E-06	2.00E-08	1.18E 02	7.65E-04
135XE	8.45E-05	1.00E-07	8.45E 02	2.73E-02

TOTAL CURIES JF NOBLE GAS RELEASED 1.04E-01

AVERAGE RELEASE RATE 1.08E-02 CI/HR OR 3.00E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 5.55E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PERCENT	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0

PERCENT CALM 81.8

GAS WASTE SUMMARY FOR RELEASE NUMBER 687

RELEASE START DATE 83082. TIME 1920.
 RELEASE COMPLETION DATE 83182. TIME 1056.

RELEASE DURATION 936 MINUTES OR 15.60 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 18.08 CFM

TOTAL VOLUME OF GAS RELEASED 4.79E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.105 TRITIUM 35.104

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.07E-05	2.00E-07	5.35E 01	5.13E-03
133XE	1.95E-04	3.00E-07	6.50E 02	9.34E-02
85KRM	1.66E-06	1.00E-07	1.66E 01	7.96E-04
133XEM	6.84E-06	3.00E-07	2.28E 01	3.28E-03
135XE	2.27E-05	1.00E-07	2.27E 02	1.09E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.08E-01

AVERAGE RELEASE RATE 7.28E-03 CI/HR OR 2.02E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.76E-02 %

METEDRLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.5	7.2	6.3	10.5	0.0	14.0	0.0	0.0
PERCENT	12.5	25.0	18.7	12.5	0.0	6.2	0.0	0.0

PERCENT CALM 12.5

GAS WASTE SUMMARY FOR RELEASE NUMBER 688

RELEASE START DATE 90182. TIME 1907.
 RELEASE COMPLETION DATE 90282. TIME 912.
 RELEASE DURATION 845 MINUTES OR 14.08 HOURS
 TANK PRESSURES INITIAL 430 PSIG FINAL 45 PSIG
 TANK TEMPERATURE 84 DEG-F
 AVERAGE RELEASE RATE 19.70 CFM
 TOTAL VOLUME OF GAS RELEASED 4.71E 08
 REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 106 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.106 TRITIUM 35.105

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.12E-05	2.00E-07	5.60E 01	5.28E-03
133XE	1.64E-04	3.00E-07	5.47E 02	7.73E-02
85KRM	8.78E-07	1.00E-07	8.78E 00	4.14E-04
133XEM	5.58E-06	3.00E-07	1.86E 01	2.63E-03
135XE	1.56E-05	1.00E-07	1.56E 02	7.35E-03

TOTAL CURIES OF NOBLE GAS RELEASED 8.77E-02

AVERAGE RELEASE RATE 6.60E-03 CI/HR OR 1.83E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.44E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	9.3	9.8	2.0	6.6	0.0	0.0	0.0	0.0
PERCENT	33.3	6.7	13.3	6.7	0.0	0.0	0.0	0.0
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	15.2	6.6	6.8
PERCENT	0.0	0.0	0.0	0.0	0.0	6.7	20.0	13.3
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 689

RELEASE START DATE 90382. TIME 1752.
 RELEASE COMPLETION DATE 90482. TIME 1045.

RELEASE DURATION 1013 MINUTES OR 16.88 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 40 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 17.07 CFM

TOTAL VOLUME OF GAS RELEASED 4.90E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.107 TRITIUM 35.106

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	1.03E-05	2.00E-07	5.15E 01	5.04E-03
133XE	2.15E-04	3.00E-07	7.17E 02	1.05E-01
85KRM	1.39E-05	1.00E-07	1.39E 02	6.81E-03
88KR	8.76E-06	2.00E-08	4.38E 02	4.29E-03
133XEM	7.33E-06	3.00E-07	2.44E 01	3.59E-03
135XE	9.63E-05	1.00E-07	9.63E 02	4.72E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.67E-01

AVERAGE RELEASE RATE 1.02E-02 CI/HR OR 2.83E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 6.26E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	2.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
PERCENT	5.3	0.0	10.5	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	5.3	4.5	5.1	0.0	2.2	2.7	3.6	0.0
PERCENT	15.8	5.3	36.8	0.0	10.5	10.5	5.3	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 690

RELEASE START DATE 90682. TIME 1700.
 RELEASE COMPLETION DATE 90782. TIME 755.

RELEASE DURATION 895 MINUTES OR 14.92 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 49 PSIG

TANK TEMPERATURE 84 DEG-F

AVERAGE RELEASE RATE 17.92 CFM

TOTAL VOLUME OF GAS RELEASED 4.54E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 29000 ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.108 TRITIUM 35.107

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	9.91E-06	2.00E-07	4.95E 01	4.50E-03
133XE	2.10E-04	3.00E-07	7.00E 02	9.54E-02
85KRM	1.58E-05	1.00E-07	1.58E 02	7.18E-03
88KR	1.47E-05	2.00E-08	7.35E 02	6.68E-03
133XEM	7.10E-06	3.00E-07	2.37E 01	3.22E-03
135XE	8.15E-05	1.00E-07	8.15E 02	3.70E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.49E-01

AVERAGE RELEASE RATE 1.03E-02 CI/HR OR 2.87E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 7.00E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	5.7	12.7	0.0	0.0	5.0	12.0	15.2	10.7
PERCENT	6.7	13.3	0.0	0.0	6.7	13.3	6.7	20.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	6.3	0.0	6.2	8.2	0.0	0.0	3.8	0.0
PERCENT	6.7	0.0	6.7	6.7	0.0	0.0	13.3	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 691

RELEASE START DATE 90782. TIME 2028.
 RELEASE COMPLETION DATE 90882. TIME 2204.

RELEASE DURATION 1536 MINUTES OR 25.60 HOURS

TANK PRESSURES INITIAL 410 PSIG FINAL 48 PSIG

TANK TEMPERATURE 78 DEG-F

AVERAGE RELEASE RATE 10.30 CFM

TOTAL VOLUME OF GAS RELEASED 4.48E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 108 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.109 TRITIUM 35.108

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
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3H	3.73E-04	2.00E-07	1.86E 03	1.67E-01
133XE	1.41E-04	3.00E-07	4.70E 02	6.32E-02
85KRM	4.28E-06	1.00E-07	4.28E 01	1.92E-03
88KR	8.15E-06	2.00E-08	4.07E 02	3.65E-03
135XE	1.05E-05	1.00E-07	1.05E 02	4.71E-03
87KR	3.85E-06	2.00E-08	1.92E 02	1.73E-03

TOTAL CURIES OF NOBLE GAS RELEASED 7.52E-02

AVERAGE RELEASE RATE 9.47E-03 CI/HR OR 2.63E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 5.00E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	20.5	3.1	0.0	0.0	5.5	3.2	4.5
PERCENT	0.0	15.4	3.8	0.0	0.0	3.8	7.7	3.8

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.7	8.0	7.7	6.1	0.0	7.1	12.5	5.0
PERCENT	3.8	7.7	7.7	11.5	0.0	15.4	3.8	15.4

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 692

RELEASE START DATE 91082. TIME 1802.
 RELEASE COMPLETION DATE 91182. TIME 914.

RELEASE DURATION 912 MINUTES OR 15.20 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG

TANK TEMPERATURE 83 DEG-F

AVERAGE RELEASE RATE 18.52 CFM

TOTAL VOLUME OF GAS RELEASED 4.78E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY C

RC-NUMBERS GRAB 34.110 TRITIUM 35.109

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	7.24E-05	2.00E-07	3.62E 02	3.46E-02
133XE	1.84E-04	3.00E-07	6.13E 02	8.80E-02
133XEM	4.75E-06	3.00E-07	1.58E 01	2.27E-03
135XE	7.77E-06	1.00E-07	7.77E 01	3.72E-03

TOTAL CURIES OF NOBLE GAS RELEASED 9.40E-02

AVERAGE RELEASE RATE 8.46E-03 CI/HR OR 2.35E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 3.11E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	9.0	6.7	0.0	3.5	0.0	2.5	0.0	17.0
PERCENT	12.5	12.5	0.0	6.2	0.0	6.2	0.0	6.2

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	24.0	4.9	6.2	0.0	0.0	11.7
PERCENT	0.0	0.0	6.2	25.0	12.5	0.0	0.0	12.5

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 693

RELEASE START DATE 91182. TIME 1714.
 RELEASE COMPLETION DATE 91282. TIME 745.

RELEASE DURATION 871 MINUTES OR 14.52 HOURS

TANK PRESSURES INITIAL 380 PSIG FINAL 50 PSIG

TANK TEMPERATURE 81 DEG-F

AVERAGE RELEASE RATE 16.47 CFM

TOTAL VOLUME OF GAS RELEASED 4.06E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 104 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.111 TRITIUM 35.110

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	4.52E-05	2.00E-07	2.26E 02	1.84E-02
133XE	1.67E-04	3.00E-07	5.57E 02	6.78E-02
85KRM	1.19E-06	1.00E-07	1.19E 01	4.83E-04
133XEM	5.44E-06	3.00E-07	1.81E 01	2.21E-03
135XE	1.91E-05	1.00E-07	1.91E 02	7.76E-03

TOTAL CURIES OF NOBLE GAS RELEASED 7.83E-02

AVERAGE RELEASE RATE 6.66E-03 CI/HR OR 1.85E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.60E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	8.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
PERCENT	35.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	2.2	2.0	0.0	0.0	3.5	2.7
PERCENT	0.0	0.0	7.1	7.1	0.0	0.0	7.1	35.7

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 694

RELEASE START DATE 91482 TIME 1500
 RELEASE COMPLETION DATE 91582 TIME 615
 RELEASE DURATION 915 MINUTES OR 15.25 HOURS
 TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG
 TANK TEMPERATURE 80 DEG-F
 AVERAGE RELEASE RATE 18.56 CFM
 TOTAL VOLUME OF GAS RELEASED 4.81E 08
 REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 101 DEG-F FLOWRATE 30000 ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.112 TRITIUM 35.111

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	5.86E-05	2.00E-07	2.93E 02	2.82E-02
133XE	1.89E-04	3.00E-07	6.30E 02	9.09E-02
133XEM	6.05E-06	3.00E-07	2.02E 01	2.91E-03
135XE	8.47E-06	1.00E-07	8.47E 01	4.07E-03

TOTAL CURIES OF NOBLE GAS RELEASED 9.79E-02
 AVERAGE RELEASE RATE 8.27E-03 CI/HR OR 2.30E 00 UCI/SEC
 PERCENT OF TECH. SPEC. LIMIT 3.00E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	7.5	11.2	6.5	9.1	7.0	0.0	0.0	0.0
PERCENT	29.4	11.8	29.4	17.6	5.9	0.0	0.0	0.0
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 695

RELEASE START DATE 91682. TIME 1915.
 RELEASE COMPLETION DATE 91782. TIME 1115.

RELEASE DURATION 960 MINUTES OR 16.00 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 50 PSIG

TANK TEMPERATURE 81 DEG-F

AVERAGE RELEASE RATE 16.76 CFM

TOTAL VOLUME OF GAS RELEASED 4.55E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 102 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY E

RC-NUMBERS GRAB 34.113 TRITIUM 35.112

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
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3H	1.24E-05	2.00E-07	6.20E 01	5.65E-03
133XE	1.72E-04	3.00E-07	5.73E 02	7.83E-02
133XEM	5.37E-06	3.00E-07	1.79E 01	2.45E-03
135XE	9.95E-06	1.00E-07	9.95E 01	4.53E-03

TOTAL CURIES OF NOBLE GAS RELEASED 8.53E-02

AVERAGE RELEASE RATE 5.69E-03 CI/HR OR 1.58E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.98E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	10.2	12.0	11.2	0.0	0.0	0.0	0.0	0.0
PERCENT	35.3	35.3	11.8	0.0	0.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	11.2	10.7
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	5.9	11.8

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 696

RELEASE START DATE 91882. TIME 1355.
 RELEASE COMPLETION DATE 91982. TIME 501.

RELEASE DURATION 906 MINUTES OR 15.10 HOURS

TANK PRESSURES INITIAL 435 PSIG FINAL 45 PSIG

TANK TEMPERATURE 81 DEG-F

AVERAGE RELEASE RATE 18.71 CFM

TOTAL VOLUME OF GAS RELEASED 4.80E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.114 TRITIUM 35.113

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	9.41E-06	2.00E-07	4.70E 01	4.52E-03
133XE	2.38E-04	3.00E-07	7.93E 02	1.14E-01
85KRM	2.47E-05	1.00E-07	2.47E 02	1.19E-02
88KR	2.43E-05	2.00E-08	1.21E 03	1.17E-02
133XEM	1.17E-05	3.00E-07	3.90E 01	5.62E-03
135XE	1.20E-04	1.00E-07	1.20E 03	5.76E-02

TOTAL CURIES OF NOBLE GAS RELEASED 2.01E-01

AVERAGE RELEASE RATE 1.36E-02 CI/HR OR 3.78E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 1.04E-01 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	12.0	0.0	7.7	0.0	0.0	2.2	4.0	2.5
PERCENT	5.9	0.0	11.8	0.0	0.0	5.9	5.9	5.9

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	4.0	6.2	4.5	0.0	7.7	0.0	16.8	11.2
PERCENT	5.9	11.8	5.9	0.0	5.9	0.0	11.8	23.5

PERCENT CALM 0.0

TABLE 2.2 (PAGE 45 OF 50)

GAS WASTE SUMMARY FOR RELEASE NUMBER 697

RELEASE START DATE 92082. TIME 1736.
 RELEASE COMPLETION DATE 92182. TIME 1000.
 RELEASE DURATION 984 MINUTES OR 16.40 HOURS
 TANK PRESSURES INITIAL 430 PSIG FINAL 45 PSIG
 TANK TEMPERATURE 78 DEG-F
 AVERAGE RELEASE RATE 17.11 CFM
 TOTAL VOLUME OF GAS RELEASED 4.77E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.115 TRITIUM 35.114

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	1.34E-05	2.00E-07	6.70E 01	6.39E-03
133XE	2.38E-04	3.00E-07	7.93E 02	1.13E-01
85KRM	1.82E-05	1.00E-07	1.82E 02	8.67E-03
88KR	1.12E-05	2.00E-08	5.60E 02	5.34E-03
133XEM	1.12E-05	3.00E-07	3.73E 01	5.34E-03
135XE	1.16E-04	1.00E-07	1.16E 03	5.53E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.88E-01
 AVERAGE RELEASE RATE 1.19E-02 CI/HR OR 3.29E 00 UCI/SEC
 PERCENT OF TECH. SPEC. LIMIT 7.53E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.5	2.0	8.5	4.9	3.7	0.0	0.0	0.0
PERCENT	23.5	5.9	11.8	11.8	5.9	0.0	0.0	0.0
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
NPH	0.0	0.0	0.0	1.5	0.0	5.2	8.5	3.7
PERCENT	0.0	0.0	0.0	5.9	0.0	17.6	5.9	11.8
PERCENT CALM	0.0							

TABLE 2.2 (PAGE 46 OF 50)

GAS WASTE SUMMARY FOR RELEASE NUMBER 698

RELEASE START DATE 92282. TIME 1816.
 RELEASE COMPLETION DATE 92382. TIME 810.

RELEASE DURATION 834 MINUTES OR 13.90 HOURS

TANK PRESSURES INITIAL 420 PSIG FINAL 50 PSIG

TANK TEMPERATURE 81 DEG-F

AVERAGE RELEASE RATE 19.29 CFM

TOTAL VOLUME OF GAS RELEASED 4.55E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 105 DEG-F. FLOWRATE 30000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.116 TRITIUM 35.115

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
3H	3.55E-06	2.00E-07	1.77E 01	1.62E-03
133XE	2.05E-04	3.00E-07	6.83E 02	9.34E-02
85KRM	7.55E-07	1.00E-07	7.55E 00	3.44E-04
133XEM	7.64E-06	3.00E-07	2.55E 01	3.48E-03
135XE	2.46E-05	1.00E-07	2.46E 02	1.12E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.08E-01

AVERAGE RELEASE RATE 7.92E-03 CI/HR OR 2.20E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.97E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	13.8	14.7	0.0	3.2	0.0	0.0	0.0	0.0
PERCENT	13.3	6.7	0.0	6.7	0.0	0.0	0.0	0.0
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	3.7	2.0	15.0	19.0	14.5	2.1	0.0	8.8
PERCENT	6.7	6.7	6.7	6.7	20.0	13.3	0.0	13.3
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 699

RELEASE START DATE 92482. TIME 1903.
 RELEASE COMPLETION DATE 92582. TIME 1030.

RELEASE DURATION 927 MINUTES OR 15.45 HOURS

TANK PRESSURES INITIAL 440 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 18.26 CFM

TOTAL VOLUME OF GAS RELEASED 4.79E 08

REACTOR BUILDING VENTILLATION SYSTEM:
 EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 29000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.117 TRITIUM 35.116

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	7.79E-06	2.00E-07	3.89E 01	3.73E-03
133XE	2.39E-04	3.00E-07	7.97E 02	1.15E-01
85KRM	5.98E-06	1.00E-07	5.98E 01	2.87E-03
88KR	1.60E-06	2.00E-08	8.00E 01	7.67E-04
133XEM	7.81E-06	3.00E-07	2.60E 01	3.74E-03
135XE	6.33E-05	1.00E-07	6.33E 02	3.03E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.52E-01

AVERAGE RELEASE RATE 1.01E-02 CI/HR OR 2.80E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 4.69E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	5.0	5.0	3.5	0.0	5.5	3.5	3.3	2.2
PERCENT	5.6	5.6	5.6	0.0	5.6	5.6	5.6	11.1
DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	1.5	3.3	4.6	0.0	2.4	4.0	0.0	4.5
PERCENT	5.6	22.2	5.6	0.0	11.1	5.6	0.0	5.6
PERCENT CALM	0.0							

GAS WASTE SUMMARY FOR RELEASE NUMBER 700

RELEASE START DATE 92682. TIME 1705.
 RELEASE COMPLETION DATE 92782. TIME 617.

RELEASE DURATION 792 MINUTES OR 13.20 HOURS

TANK PRESSURES INITIAL 410 PSIG FINAL 50 PSIG

TANK TEMPERATURE 82 DEG-F

AVERAGE RELEASE RATE 19.73 CFM

TOTAL VOLUME OF GAS RELEASED 4.42E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 103 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY F

RC-NUMBERS GRAB 34.118 TRITIUM 35.117

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	2.92E-06	2.00E-07	1.46E 01	1.29E-03
133XE	1.80E-04	3.00E-07	6.00E 02	7.96E-02
85KRM	2.07E-05	1.00E-07	2.07E 02	9.16E-03
88KR	2.65E-05	2.00E-08	1.32E 03	1.17E-02
135XE	8.88E-05	1.00E-07	8.88E 02	3.93E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.40E-01

AVERAGE RELEASE RATE 1.07E-02 CI/HR OR 2.97E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 9.42E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.7	0.0	0.0	0.0	0.0	0.0	1.6	2.2
PERCENT	7.1	0.0	0.0	0.0	0.0	0.0	7.1	14.3

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	12.5	8.0	5.5	6.0	0.0	0.0	6.3	5.5
PERCENT	7.1	7.1	21.4	21.4	0.0	0.0	7.1	7.1

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 701

RELEASE START DATE 92882. TIME 1820.
 RELEASE COMPLETION DATE 92982. TIME 1005.

RELEASE DURATION 945 MINUTES OR 15.75 HOURS

TANK PRESSURES INITIAL 470 PSIG FINAL 50 PSIG

TANK TEMPERATURE 72 DEG-F

AVERAGE RELEASE RATE 19.65 CFM

TOTAL VOLUME OF GAS RELEASED 5.26E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 102 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY C

RC-NUMBERS GRAB 34.119 TRITIUM 35.118

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES

3H	4.04E-06	2.00E-07	2.02E 01	2.12E-03
133XE	1.99E-04	3.00E-07	6.63E 02	1.05E-01
85KRM	1.09E-06	1.00E-07	1.09E 01	5.73E-04
133XEM	7.90E-06	3.00E-07	2.63E 01	4.15E-03
135XE	2.64E-05	1.00E-07	2.64E 02	1.39E-02

TOTAL CURIES OF NOBLE GAS RELEASED 1.23E-01

AVERAGE RELEASE RATE 7.96E-03 CI/HR OR 2.21E 00 UCI/SEC

PERCENT OF TECH. SPE. LIMIT 3.04E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	3.1	0.0	2.3	5.5	0.0	4.6	7.6	0.0
PERCENT	5.9	0.0	5.9	5.9	0.0	5.9	5.9	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	5.0	4.8	5.6	4.4	10.5	0.0	0.0	0.0
PERCENT	5.9	29.4	17.6	11.8	5.9	0.0	0.0	0.0

PERCENT CALM 0.0

GAS WASTE SUMMARY FOR RELEASE NUMBER 702

RELEASE START DATE 93082. TIME 1400.
 RELEASE COMPLETION DATE 93082. TIME 2230.

RELEASE DURATION 510 MINUTES OR 8.50 HOURS

TANK PRESSURES INITIAL 430 PSIG FINAL 110 PSIG

TANK TEMPERATURE 78 DEG-F

AVERAGE RELEASE RATE 27.43 CFM

TOTAL VOLUME OF GAS RELEASED 3.96E 08

REACTOR BUILDING VENTILLATION SYSTEM:

EXHAUST TEMPERATURE 98 DEG-F. FLOWRATE 31000. ACFM

STABILITY CATAGORY A

RC-NUMBERS GRAB 34.120 TRITIUM 35.119

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY/ MPC(A)	TOTAL CURIES
*****	*****	*****	*****	*****
3H	9.81E-06	2.00E-07	4.90E 01	3.89E-03
133XE	1.58E-04	3.00E-07	5.27E 02	6.26E-02
133XEM	4.54E-06	3.00E-07	1.51E 01	1.80E-03
135XE	4.23E-06	1.00E-07	4.23E 01	1.68E-03

TOTAL CURIES OF NOBLE GAS RELEASED 6.61E-02

AVERAGE RELEASE RATE 8.23E-03 CI/HR OR 2.29E 00 UCI/SEC

PERCENT OF TECH. SPEC. LIMIT 2.73E-02 %

METEOROLOGICAL DATA COLLECTED DURING RELEASE:

DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE
MPH	0.0	0.0	7.9	7.4	6.5	0.0	0.0	0.0
PERCENT	0.0	0.0	40.0	50.0	10.0	0.0	0.0	0.0

DIRECTION	S	SSW	SW	WSW	W	WNW	NW	NNW
MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PERCENT CALM 0.0

SYSTEM	BETA/GAMMA	ALPHA	TRITIUM	
FARM POND				
	8.75E-08	3.35E-08	2.21E-05	MAXIMUM
	5.45E-08	1.36E-08	6.13E-07	MINIMUM
	6.28E-08 (13)	1.96E-08 (13)	4.64E-06 (13)	AVERAGE
COOLING TOWER B/D-During				
	6.81E-08	5.39E-08	1.41E-03	MAXIMUM
	4.59E-08	1.42E-08	6.25E-07	MINIMUM
	5.80E-08 (27)	2.46E-08 (27)	1.75E-04 (27)	AVERAGE
COOLING TOWER B/D-After				
	7.46E-08	5.27E-08	8.64E-04	MAXIMUM
	5.19E-08	1.36E-08	6.24E-07	MINIMUM
	5.96E-08 (27)	2.43E-08 (27)	3.34E-05 (27)	AVERAGE
COOLING TOWER B/D-Weekly				
	8.41E-08	6.72E-08	6.30E-06	MAXIMUM
	5.33E-08	1.36E-08	6.34E-07	MINIMUM
	5.92E-08 (13)	2.91E-08 (13)	1.46E-06 (13)	AVERAGE
REACTOR BLDG. SUMP				
	9.95E-08	4.74E-08	1.47E-03	MAXIMUM
	4.80E-08	9.60E-09	1.31E-04	MINIMUM
	5.93E-08(113)	1.85E-08(113)	2.49E-04(113)	AVERAGE
TURBINE BLDG. SUMP				
	7.76E-08	4.74E-08	1.60E-04	MAXIMUM
	4.80E-08	9.64E-09	3.10E-05	MINIMUM
	5.76E-08 (38)	1.95E-08 (38)	6.54E-05 (38)	AVERAGE
SYSTEM 21, Loop 1				
	9.45E-08	3.11E-08	2.16E-04	MAXIMUM
	5.36E-08	1.88E-08	9.73E-05	MINIMUM
	6.46E-08 (5)	2.37E-08 (5)	1.54E-04 (5)	AVERAGE

- NOTES: 1. All activities expressed in units of UCI/ML
 2. () Represents the number of samples represented by the average value.

SYSTEM	BETA/GAMMA	ALPHA	TRITIUM	
SYSTEM 21, Loop 2				
	6.46E-08	3.11E-08	2.05E-04	MAXIMUM
	5.23E-08	1.88E-08	1.09E-04	MINIMUM
	5.62E-08 (5)	2.37E-08 (5)	1.53E-04 (5)	AVERAGE
SYSTEM 31				
	7.64E-08	5.21E-08	1.75E-04	MAXIMUM
	5.58E-08	9.64E-09	8.13E-05	MINIMUM
	6.00E-08 (13)	2.05E-08 (13)	1.37E-04 (15)	AVERAGE
SYSTEM 41				
	6.94E-08	5.49E-08	6.23E-07	MAXIMUM
	5.55E-08	2.46E-08	5.96E-07	MINIMUM
	6.08E-08 (4)	3.42E-08 (4)	6.13E-07 (4)	AVERAGE
SYSTEM 42				
	9.49E-08	5.49E-08	2.49E-06	MAXIMUM
	5.36E-08	1.93E-08	6.14E-07	MINIMUM
	6.63E-08 (4)	3.79E-08 (4)	1.08E-06 (4)	AVERAGE
SYSTEM 46, Loop 1				
	6.51E-08	3.11E-08	1.53E-04	MAXIMUM
	5.08E-08	1.36E-08	1.18E-04	MINIMUM
	5.66E-08 (14)	1.85E-08 (14)	1.41E-04 (15)	AVERAGE
SYSTEM 46, Loop 2				
	8.72E-08	3.11E-08	1.42E-04	MAXIMUM
	5.39E-08	1.36E-08	1.12E-04	MINIMUM
	5.98E-08 (14)	1.83E-08 (14)	1.35E-04 (15)	AVERAGE
SYSTEM 47, Loop 1				
	6.46E-08	3.11E-08	2.64E-04	MAXIMUM
	5.19E-08	1.88E-08	1.54E-04	MINIMUM
	5.77E-08 (5)	2.37E-08 (5)	2.06E-04 (5)	AVERAGE
SYSTEM 47, Loop 2				
	6.46E-08	3.11E-08	2.43E-04	MAXIMUM
	5.36E-08	1.87E-08	1.80E-04	MINIMUM
	5.79E-08 (5)	2.26E-08 (5)	2.15E-04 (5)	AVERAGE

- NOTES: 1. All activities expressed in units of UCI/ML
 2. () Represents the number of samples represented by the average value.

TABLE 1.1 - RADIOACTIVE LIQUID EFFLUENT RELEASES FOR 4TH QUARTER, 1982

	UNITS	OCT	NOV	DEC	QUARTERLY TOTAL	
1. Gross Beta Radioactivity						
a) Total Release	Curies	2.45E-05	8.49E-05	6.55E-05	1.75E-04	
b) Avg. Conc. before Dilution	mCi/ml	2.28E-07	1.14E-06	5.54E-07	5.80E-07 *	
Avg Conc. Released	μCi/ml					
c) after Dilution	above bkgd	6.21E-10	2.86E-09	2.38E-09	1.89E-09 *	
2. Tritium						
a) Total Release	Curies	3.08E+01	5.40E+01	8.39E+00	9.32E+01	
b) Avg. Conc. before Dilution	mCi/ml	2.92E-01	7.53E-01	7.19E-02	3.08E-01 *	
Avg Conc. Released	μCi/ml					
c) after Dilution	above bkgd	9.36E-04	1.45E-03	2.95E-04	7.89E-04 *	
3. Dissolved Noble Gases						
a) Total Release	Curies	8.02E-04	3.66E-05	6.83E-06	8.46E-04	
b) Avg. Conc. before Dilution	mCi/ml	8.07E-06	5.00E-07	1.26E-07	3.65E-06 *	
Avg Conc. Released	μCi/ml					
c) after Dilution	above bkgd	2.82E-08	1.19E-09	5.95E-10	1.26E-08 *	
4. Gross Alpha Radioactivity						
a) Total Release	Curies	1.76E-06	1.42E-06	1.69E-06	4.90E-06	
5. Total Volume of Liquid Released before Dilution						
	Liters	1.08E+05	7.34E+04	1.18E+05	2.99E+05	
6. Total Volume of Liquid Used for Dilution						
	Liters	2.97E+07	3.55E+07	2.68E+07	9.20E+07	
7. Estimated Total Radioactivity Released by Radioisotope above Background						
Nuclide	MPCw (μCi/ml)	Curies				
133Xe	2.00E-04		7.93E-04	3.66E-05	6.47E-06	8.36E-04
131Xe(m)	2.00E-04		9.46E-06	NSA	NSA	9.46E-06
110Ag(m)	3.00E-05		NSA	3.28E-05	1.93E-07	3.30E-05
60Co	5.00E-05		NSA	5.15E-05	8.16E-07	5.23E-05
137Cs	2.00E-05		NSA	9.93E-07	NSA	9.93E-07
54Mn	1.00E-04		NSA	8.04E-07	NSA	8.04E-07
135Xe	2.00E-04		NSA	NSA	3.60E-07	3.60E-07

*Represents a "weighted" average.

$$4.7E-05 = 4.7 \times 10^{-5}$$

$$5.2E+03 = 5.2 \times 10^{+3}$$

NSA means no significant activity.

TABLE 1.2 (PAGE 1 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 598

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	10 382	TIME	1855
RELEASE COMPLETION	:	DATE	10 382	TIME	2330
RELEASE DURATION	:	HRS.	4.58	MIN.	275.
TANK LEVEL [INCHES]	:	INITIAL	131.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1714184.	FINAL	1768600.
TOTAL VOLUME RELEASED	:	LITERS	8501.	GALS	2246.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2059646.	GALS	544160.
AVERAGE RELEASE RATE	:	LPM	30.91	GPM	8.17
AVERAGE BLOWDOWN RATE	:	LPM	7489.62	GPM	1978.76

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.224	10 382	710	1.37E-08	5.08E-08	8.15E-04	0.00E-01	SD1588
B 33.225	10 382	715	1.37E-08	7.14E-08	8.20E-04	0.00E-01	SD1589
C 5.082	10 382	1810	5.49E-08	8.07E-08	3.96E-06		
D 6.083	10 482	245	5.49E-08	8.40E-08	6.11E-07		
E 7.091	10 382	2210	5.49E-08	5.01E-08	3.08E-06		
F 8.085	10 482	230	5.49E-08	5.48E-08	1.76E-06		
G 9.040	10 682	1100	1.92E-08	5.32E-08	1.80E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.17E-07	1.37E-08	-2.25E-11	N/A
GROSS BETA	6.07E-07	7.14E-08	7.48E-11	2.49E-01
TRITIUM	6.97E-03	8.20E-04	3.36E-06	1.12E-01

TABLE 1.2 (PAGE 2 OF 38)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 599

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	10 582	TIME	1815
RELEASE COMPLETION	:	DATE	10 582	TIME	2250
RELEASE DURATION	:	HRS.	4. 58	MIN.	275.
TANK LEVEL [INCHES]	:	INITIAL	125.	FINAL	2.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	2261000.	FINAL	2313300.
TOTAL VOLUME RELEASED	:	LITERS	8106.	GALS	2142.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1979555.	GALS	523000.
AVERAGE RELEASE RATE	:	LPM	29. 48	GPM	7. 79
AVERAGE BLOWDOWN RATE	:	LPM	7198. 38	GPM	1901. 82

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.226	10 582	910	1. 67E-08	6. 47E-08	7. 64E-02	2. 36E-05	SD1613
B 33.227	10 582	915	1. 67E-08	5. 96E-08	7. 40E-02	2. 36E-05	SD1614
C 5. 083	10 582	1755	1. 92E-08	8. 06E-08	1. 03E-06		
D 6. 084	10 682	240	1. 92E-08	5. 32E-08	2. 57E-06		
E 7. 092	10 582	2120	1. 92E-08	5. 32E-08	3. 26E-04		
F 8. 086	10 682	220	1. 92E-08	5. 32E-08	2. 26E-06		
G 9. 040	10 682	1100	1. 92E-08	5. 32E-08	1. 80E-06		

ACTIVITY RELEASED BY NUCLIDE

SOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1. 35E-07	1. 67E-08	-1. 03E-11	N/A
GROSS BETA	5. 25E-07	6. 47E-08	4. 70E-11	1. 57E-01
TRITIUM	6. 20E-01	7. 64E-02	3. 12E-04	1. 04E+01
133XE	1. 91E-04	2. 36E-05	9. 62E-08	4. 81E-02

TABLE 1.2 (PAGE 3 OF 38)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 600

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	10 682	TIME	2050
RELEASE COMPLETION	:	DATE	10 782	TIME	133
RELEASE DURATION	:	HRS.	4.72	MIN.	283.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	3.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	2812000.	FINAL	2883370.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2701355.	GALS	713700.
AVERAGE RELEASE RATE	:	LPM	29.57	GPM	7.81
AVERAGE BLOWDOWN RATE	:	LPM	9545.42	GPM	2521.91

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
DATE	TIME				
A 33.228	1.40E-08	7.47E-08	5.03E-01	3.07E-05	SD1620
B 33.229	1.36E-08	5.52E-08	5.06E-01	3.07E-05	SD1621
C 5.084	1.92E-08	5.32E-08	1.50E-06		
D 6.085	1.92E-08	5.32E-08	2.14E-06		
E 7.093	1.92E-08	5.32E-08	1.73E-03		
F 8.087	1.92E-08	5.32E-08	1.23E-05		
G 9.040	1.92E-08	5.32E-08	1.80E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	1.17E-07	1.40E-08	-1.61E-11	N/A
GROSS BETA	6.25E-07	7.47E-08	6.62E-11	2.21E-01
TRITIUM	4.23E+00	5.06E-01	1.56E-03	5.21E+01
133XE	2.48E-04	2.96E-05	9.14E-08	4.57E-02
131XEM	9.46E-06	1.13E-06	3.49E-09	1.75E-03

TABLE 1.2 (PAGE 4 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 601

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	10 882	TIME	1930
RELEASE COMPLETION	:	DATE	10 982	TIME	57
RELEASE DURATION	:	HRS.	5.45	MIN.	327.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3057500.	FINAL	3120627.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2389206.	GALS	631230.
AVERAGE RELEASE RATE	:	LPM	25.59	GPM	6.76
AVERAGE BLOWDOWN RATE	:	LPM	7306.44	GPM	1930.37

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.230	10 882	600	1.67E-08	7.69E-08	1.79E-01	1.09E-05	SD1639
B 33.231	10 882	605	1.67E-08	7.20E-08	1.77E-01	1.09E-05	SD1640
C 5.085	10 882	1900	2.45E-08	5.92E-08	6.25E-07		
D 6.086	10 982	410	1.36E-08	5.92E-08	3.14E-06		
E 7.094	10 882	2330	1.36E-08	5.92E-08	6.53E-04		
F 8.088	10 982	400	1.96E-08	5.92E-08	6.25E-07		
G 9.040	10 682	1100	1.92E-08	5.32E-08	1.80E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.40E-07	1.67E-08	-8.64E-12	N/A
GROSS BETA	6.43E-07	7.69E-08	8.26E-11	2.75E-01
TRITIUM	1.50E+00	1.79E-01	6.24E-04	2.08E+01
133XE	9.12E-05	1.09E-05	3.80E-08	1.90E-02

TABLE 1.2 (PAGE 5 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 602

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	101382	TIME	155
RELEASE COMPLETION	:	DATE	101382	TIME	855
RELEASE DURATION	:	HRS.	7.00	MIN.	420.
TANK LEVEL [INCHES]	:	INITIAL	118.	FINAL	5.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4293100.	FINAL	4383500.
TOTAL VOLUME RELEASED	:	LITERS	7447.	GALS	1967.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	3421640.	GALS	904000.
AVERAGE RELEASE RATE	:	LPM	17.73	GPM	4.68
AVERAGE BLOWDOWN RATE	:	LPM	8146.76	GPM	2152.38

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.232	101282	640	1.36E-08	2.16E-07	7.89E-01	2.28E-06	SD1654
B 33.233	101282	645	1.36E-08	1.81E-07	8.01E-01	2.28E-06	SD1655
C 5.086	101382	55	1.49E-08	9.80E-08	6.72E-07		
D 6.087	101382	1220	1.99E-08	4.98E-08	2.07E-06		
E 7.095	101382	545	1.38E-08	4.98E-08	1.49E-03		
F 8.089	101382	1215	1.38E-08	4.98E-08	2.43E-06		
G 9.041	101282	1100	1.99E-08	7.62E-08	6.35E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.01E-07	1.36E-08	1.36E-11	N/A
GROSS BETA	1.61E-06	2.16E-07	3.04E-10	1.01E+00
TRITIUM	5.97E+00	8.01E-01	1.74E-03	5.80E+01
133XE	1.70E-05	2.28E-06	4.95E-09	2.48E-03

TABLE 1.2 (PAGE 6 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 603

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	101382	TIME	1315
RELEASE COMPLETION	:	DATE	101382	TIME	1750
RELEASE DURATION	:	HRS.	4.58	MIN.	275.
TANK LEVEL [INCHES]	:	INITIAL	140.	FINAL	10.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4440100.	FINAL	4500601.
TOTAL VOLUME RELEASED	:	LITERS	8567.	GALS	2263.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2289963.	GALS	605010.
AVERAGE RELEASE RATE	:	LPM	31.15	GPM	8.23
AVERAGE BLOWDOWN RATE	:	LPM	8327.14	GPM	2200.04

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.234	101282	935	1.36E-08	1.25E-06	1.68E-01	1.02E-05	SD1657
B 33.235	101282	1940	1.36E-08	1.17E-06	1.69E-01	1.02E-05	SD1658
C 5.087	101382	1215	1.98E-08	5.45E-08	2.98E-06		
D 6.088	101382	2125	1.38E-08	4.98E-08	1.68E-06		
E 7.096	101382	1658	2.98E-08	7.98E-08	6.66E-04		
F 8.090	101382	2110	1.38E-08	5.80E-08	6.72E-07		
G 9.041	101282	1100	1.99E-08	7.62E-08	6.35E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.17E-07	1.36E-08	-2.33E-11	N/A
GROSS BETA	1.07E-05	1.25E-06	4.39E-09	1.46E+01
TRITIUM	1.45E+00	1.69E-01	6.30E-04	2.10E+01
133XE	8.74E-05	1.02E-05	3.80E-08	1.90E-02

TABLE 1.2 (PAGE 7 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 604

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	101682	TIME	405
RELEASE COMPLETION	:	DATE	101682	TIME	938
RELEASE DURATION	:	HRS.	5.55	MIN.	333.
TANK LEVEL [INCHES]	:	INITIAL	124.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	5188300.	FINAL	5262778.
TOTAL VOLUME RELEASED	:	LITERS	7908.	GALS	2089.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2818992.	GALS	744780.
AVERAGE RELEASE RATE	:	LPM	23.75	GPM	6.27
AVERAGE BLOWDOWN RATE	:	LPM	8465.44	GPM	2236.58

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.236	101582	645	1.70E-08	1.45E-07	3.76E-01	5.51E-06	SD1690
B 33.237	101582	650	1.70E-08	1.48E-07	3.77E-01	5.51E-06	SD1691
C 5.088	101682	300	1.95E-08	5.37E-08	6.13E-07		
D 6.089	101682	1255	2.98E-08	5.37E-08	9.97E-07		
E 7.097	101682	700	1.95E-08	5.37E-08	1.04E-03		
F 8.091	101682	1246	1.95E-08	5.37E-08	4.22E-06		
G 9.041	101282	1100	1.99E-08	7.62E-08	6.35E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.35E-07	1.70E-08	7.91E-12	N/A
GROSS BETA	1.17E-06	1.48E-07	2.02E-10	6.74E-01
TRITIUM	2.98E+00	3.77E-01	1.05E-03	3.51E+01
133XE	4.36E-05	5.51E-06	1.54E-08	7.71E-03

TABLE 1.2 (PAGE 8 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 605

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	101982	TIME	1835
RELEASE COMPLETION	:	DATE	101982	TIME	2255
RELEASE DURATION	:	HRS.	4.33	MIN.	260.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6237500.	FINAL	6281700.
TOTAL VOLUME RELEASED	:	LITERS	8238.	GALS	2176.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1672970.	GALS	442000.
AVERAGE RELEASE RATE	:	LPM	31.68	GPM	8.37
AVERAGE BLOWDOWN RATE	:	LPM	6434.50	GPM	1700.00

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.238	101982	650	1.48E-08	6.38E-08	1.54E-01	1.38E-06	SD1710
B 33.239	101982	655	9.80E-09	5.33E-08	1.52E-01	1.38E-06	SD1711
C 5.089	101982	1815	9.70E-09	5.58E-08	6.10E-07		
D 6.090	102082	300	2.47E-08	5.58E-08	6.10E-07		
E 7.098	101982	230	2.97E-08	5.58E-08	7.02E-04		
F 8.092	102082	250	9.90E-09	5.58E-08	5.75E-06		
G 9.042	101982	1100	1.98E-08	5.58E-08	1.47E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.22E-07	1.48E-08	-2.47E-11	N/A
GROSS BETA	5.25E-07	6.38E-08	3.92E-11	1.31E-01
TRITIUM	1.26E+00	1.54E-01	7.52E-04	2.51E+01
133XE	1.14E-05	1.38E-06	6.76E-09	3.38E-03

TABLE 1.2 (PAGE 9 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 606

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	102182	TIME	1657
RELEASE COMPLETION	:	DATE	102182	TIME	2140
RELEASE DURATION	:	HRS.	4.72	MIN.	283.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	2.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	6671200.	FINAL	6738700.
TOTAL VOLUME RELEASED	:	LITERS	8435.	GALS	2229.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2554875.	GALS	675000.
AVERAGE RELEASE RATE	:	LPM	29.81	GPM	7.87
AVERAGE BLOWDOWN RATE	:	LPM	9027.83	GPM	2385.16

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.240	102182	615	2.19E-08	1.73E-07	4.41E-01	6.01E-06	SD1722
B 33.241	102182	620	2.19E-08	9.55E-08	4.40E-01	6.01E-06	SD1723
C 5.090	102182	1650	1.69E-08	8.40E-08	6.22E-07		
D 6.091	102282	44	1.69E-08	6.94E-08	1.81E-06		
E 7.099	102182	2020	1.69E-08	5.77E-08	1.47E-03		
F 8.093	102282	38	1.69E-08	5.77E-08	1.64E-05		
G 9.042	101982	1100	1.98E-08	5.58E-08	1.47E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.85E-07	2.19E-08	6.83E-12	N/A
GROSS BETA	1.46E-06	1.73E-07	3.87E-10	1.29E+00
TRITIUM	3.72E+00	4.41E-01	1.45E-03	4.84E+01
133XE	5.07E-05	6.01E-06	1.98E-08	9.89E-03

TABLE 1.2 (PAGE 10 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 607

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	102382	TIME	1629
RELEASE COMPLETION	:	DATE	102382	TIME	2112
RELEASE DURATION	:	HRS.	4.72	MIN.	283.
TANK LEVEL [INCHES]	:	INITIAL	131.	FINAL	2.
BLOWDOWN INTERGRATOR READINGS	:	INITIAL	7126050.	FINAL	7169050.
TOTAL VOLUME RELEASED	:	LITERS	8501.	GALS	2246.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1627550.	GALS	430000.
AVERAGE RELEASE RATE	:	LPM	30.04	GPM	7.94
AVERAGE BLOWDOWN RATE	:	LPM	5751.06	GPM	1519.43

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.242	102382	715	2.18E-08	1.69E-07	8.19E-02	1.38E-06	SD1731
B 33.243	102382	720	2.18E-08	7.32E-08	8.17E-02	1.38E-06	SD1732
C 5.091	102382	1620	9.70E-09	5.15E-08	6.07E-07		
D 6.092	102482	25	1.98E-08	5.88E-08	1.64E-06		
E 7.100	102382	2000	1.48E-08	6.98E-08	3.20E-04		
F 8.094	102482	15	1.98E-08	5.15E-08	3.12E-06		
G 9.042	101982	1100	1.98E-08	5.58E-08	1.47E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.85E-07	2.18E-08	1.03E-11	N/A
GROSS BETA	1.44E-06	1.69E-07	5.89E-10	1.96E+00
TRITIUM	6.96E-01	8.19E-02	4.25E-04	1.42E+01
133XE	1.17E-05	1.38E-06	7.17E-09	3.59E-03

TABLE 1.2 (PAGE 11 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 608

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	102782	TIME	1910
RELEASE COMPLETION	:	DATE	102882	TIME	110
RELEASE DURATION	:	HRS.	6.00	MIN.	360.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8032600.	FINAL	8112717.
TOTAL VOLUME RELEASED	:	LITERS	8238.	GALS	2176.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	3032429.	GALS	801170.
AVERAGE RELEASE RATE	:	LPM	22.88	GPM	6.05
AVERAGE BLOWDOWN RATE	:	LPM	8423.41	GPM	2225.47

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.244	102782	600	9.81E-09	2.82E-07	6.79E-01	3.64E-06	SD1749
B 33.245	102782	600	1.82E-08	3.09E-07	6.79E-01	3.64E-06	SD1750
C 5.092	102782	1830	1.38E-08	5.78E-08	1.47E-06		
D 6.093	102882	435	2.48E-08	5.78E-08	1.67E-06		
E 7.101	102782	2255	1.38E-08	5.78E-08	2.18E-03		
F 8.095	102882	420	1.49E-08	5.78E-08	1.58E-06		
G 9.043	102682	1100	1.38E-08	5.78E-08	2.60E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.50E-07	1.82E-08	1.19E-11	N/A
GROSS BETA	2.55E-06	3.09E-07	6.81E-10	2.27E+00
TRITIUM	5.60E+00	6.79E-01	1.84E-03	6.13E+01
133XE	3.00E-05	3.64E-06	9.86E-09	0.00E-01

TABLE 1.2 (PAGE 12 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 609

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	103082	TIME	1842
RELEASE COMPLETION	:	DATE	103082	TIME	2318
RELEASE DURATION	:	HRS.	4.60	MIN.	276.
TANK LEVEL [INCHES]	:	INITIAL	133.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8738800.	FINAL	8779900.
TOTAL VOLUME RELEASED	:	LITERS	8567.	GALS	2263.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1555635.	GALS	411000.
AVERAGE RELEASE RATE	:	LPM	31.04	GPM	8.20
AVERAGE BLOWDOWN RATE	:	LPM	5636.36	GPM	1489.13

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.246	103082	700	1.14E-08	2.45E-07	2.29E-01	8.45E-07	SD1767
B 33.247	103082	705	1.65E-08	1.21E-07	2.29E-01	8.45E-07	SD1768
C 5.093	103082	1810	1.95E-08	5.50E-08	1.29E-06		
D 6.094	103182	150	1.95E-08	5.50E-08	3.80E-06		
E 7.102	103082	2205	1.95E-08	5.50E-08	1.02E-03		
F 8.096	103182	138	1.95E-08	5.50E-08	1.49E-05		
G 9.043	102682	1100	1.38E-08	5.78E-08	2.60E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.42E-07	1.65E-08	1.51E-11	N/A
GROSS BETA	2.10E-06	2.45E-07	1.03E-09	3.42E+00
TRITIUM	1.96E+00	2.29E-01	1.26E-03	4.18E+01
133XE	7.24E-06	8.45E-07	4.63E-09	2.31E-03

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 610

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	103182	TIME	1836
RELEASE COMPLETION	:	DATE	103182	TIME	2320
RELEASE DURATION	:	HRS.	4.73	MIN.	284.
TANK LEVEL [INCHES]	:	INITIAL	132.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8962800.	FINAL	9005900.
TOTAL VOLUME RELEASED	:	LITERS	8501.	GALS	2246.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1631335.	GALS	431000.
AVERAGE RELEASE RATE	:	LPM	29.93	GPM	7.91
AVERAGE BLOWDOWN RATE	:	LPM	5744.14	GPM	1517.61

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.248	103182	858	1.63E-08	9.30E-08	1.01E-01	3.99E-07	SD1774
B 33.249	103182	903	9.64E-09	7.81E-08	1.00E-01	3.99E-07	SD1775
C 5.094	103182	1755	1.95E-08	5.50E-08	6.32E-07		
D 6.095	11 182	330	1.95E-08	5.50E-08	1.13E-06		
E 7.103	103182	2205	1.95E-08	5.50E-08	4.51E-04		
F 8.097	11 182	340	1.95E-08	5.50E-08	9.90E-06		
G 9.043	102682	1100	1.38E-08	5.78E-08	2.68E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.39E-07	1.63E-08	1.34E-11	N/A
GROSS BETA	7.91E-07	9.30E-08	1.83E-10	6.09E-01
TRITIUM	8.56E-01	1.01E-01	5.22E-04	1.74E+01
133XE	3.39E-06	3.99E-07	2.07E-09	1.03E-01

TABLE 1.2 (PAGE 14 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 611

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	11 582	TIME	1301
RELEASE COMPLETION	:	DATE	11 582	TIME	1955
RELEASE DURATION	:	HRS.	6.90	MIN.	414.
TANK LEVEL [INCHES]	:	INITIAL	140.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	35254.	FINAL	131000.
TOTAL VOLUME RELEASED	:	LITERS	8962.	GALS	2368.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	3623986.	GALS	957460.
AVERAGE RELEASE RATE	:	LPM	21.65	GPM	5.72
AVERAGE BLOWDOWN RATE	:	LPM	8753.59	GPM	2312.71

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.256	11 582	605	1.31E-08	2.21E-06	6.32E-01	1.98E-07	SD1816
B 33.257	11 582	608	3.62E-08	2.01E-06	6.42E-01	1.98E-07	SD1817
C 5.095	11 582	1230	1.67E-08	5.71E-08	6.27E-07		
D 6.096	11 582	2310	1.67E-08	5.71E-08	6.27E-07		
E 7.104	11 582	1805	1.67E-08	5.71E-08	1.45E-03		
F 8.098	11 582	2315	1.97E-08	5.71E-08	8.02E-06		
G 9.044	11 282	1010	1.36E-08	6.01E-08	1.79E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.25E-07	3.62E-08	5.58E-11	N/A
GROSS BETA	1.98E-05	2.21E-06	5.29E-09	1.76E+01
TRITIUM	5.75E+00	6.42E-01	1.58E-03	5.28E+01
133XE	1.77E-06	1.98E-07	4.88E-10	2.44E-02
110AGM	1.45E-05	1.62E-06	4.00E-09	1.33E+00
60CO	2.22E-05	2.48E-06	6.12E-09	1.22E+00

TABLE 1.2 (PAGE 15 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 612

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	11 682	TIME	1425
RELEASE COMPLETION	:	DATE	11 682	TIME	1840
RELEASE DURATION	:	HRS.	4.25	MIN.	255.
TANK LEVEL [INCHES]	:	INITIAL	139.	FINAL	8.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	309311.	FINAL	355310.
TOTAL VOLUME RELEASED	:	LITERS	8633.	GALS	2281.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1741062.	GALS	459990.
AVERAGE RELEASE RATE	:	LPM	33.85	GPM	8.94
AVERAGE BLOWDOWN RATE	:	LPM	6827.69	GPM	1803.88

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.258	11 682	640	1.31E-08	8.70E-07	1.48E-01	4.07E-07	SD1824
B 33.259	11 682	645	1.32E-08	9.44E-07	1.52E-01	4.07E-07	SD1825
C 5.096	11 682	1345	1.67E-08	5.71E-08	6.27E-07		
D 6.097	11 682	2150	1.97E-08	5.71E-08	6.31E-07		
E 7.105	11 682	1815	1.67E-08	5.71E-08	7.09E-04		
F 8.099	11 682	2200	2.96E-08	5.71E-08	2.60E-06		
G 9.044	11 282	1010	1.36E-08	6.01E-08	1.79E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.14E-07	1.32E-08	-2.21E-12	N/A
GROSS BETA	8.15E-06	9.44E-07	4.36E-09	1.45E+01
TRITIUM	1.31E+00	1.52E-01	7.51E-04	2.50E+01
133XE	3.51E-06	4.07E-07	2.01E-09	1.00E-03
110AGM	2.58E-06	2.99E-07	1.48E-09	4.92E-03
60CO	7.96E-06	9.22E-07	4.55E-09	9.10E-03
137CS	9.93E-07	1.15E-07	5.67E-10	2.84E-03
54MN	8.04E-07	9.31E-08	4.59E-10	4.59E-04

TABLE 1.2 (PAGE 16 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 613

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	11 782	TIME	1427
RELEASE COMPLETION	:	DATE	11 782	TIME	1940
RELEASE DURATION	:	HRS.	5.22	MIN.	313.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	572003.	FINAL	642270.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2659606.	GALS	702670.
AVERAGE RELEASE RATE	:	LPM	26.74	GPM	7.06
AVERAGE BLOWDOWN RATE	:	LPM	8497.14	GPM	2244.95

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.262	11 782	625	1.93E-08	1.83E-06	4.03E-01	3.83E-07	SD1831
B 33.263	11 782	630	1.67E-08	1.89E-06	4.00E-01	3.83E-07	SD1832
C 5.097	11 782	1400	1.67E-08	5.71E-08	6.32E-07		
D 6.096	11 782	2245	1.67E-08	5.71E-08	6.31E-07		
E 7.106	11 782	1730	2.47E-08	5.71E-08	1.35E-03		
F 8.100	11 782	2255	1.67E-08	5.71E-08	4.74E-05		
G 9.044	11 282	1010	1.36E-08	6.01E-08	1.79E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.61E-07	1.93E-08	1.78E-11	N/A
GROSS BETA	1.58E-05	1.89E-06	5.75E-09	1.92E+01
TRITIUM	3.38E+00	4.03E-01	1.27E-03	4.22E+01
133XE	3.21E-06	3.83E-07	1.20E-09	6.01E-04
110AGM	1.37E-05	1.64E-06	5.14E-09	1.71E-02
60CO	1.72E-05	2.06E-06	6.46E-09	1.29E-02

TABLE 1.2 (PAGE 17 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 614

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	11 882	TIME	1415
RELEASE COMPLETION	:	DATE	11 982	TIME	201
RELEASE DURATION	:	HRS.	11.77	MIN.	706.
TANK LEVEL [INCHES]	:	INITIAL	115.	FINAL	5.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	855900.	FINAL	1032542.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	6685900.	GALS	1766420.
AVERAGE RELEASE RATE	:	LPM	10.27	GPM	2.71
AVERAGE BLOWDOWN RATE	:	LPM	9470.11	GPM	2502.01

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.264	11 882	605	1.67E-08	6.40E-07	1.38E+00	4.35E-07	SD1839
B 33.265	11 882	610	1.67E-08	5.14E-07	1.40E+00	4.35E-07	SD1840
C 5.098	11 882	1330	1.37E-08	4.99E-08	6.31E-07		
D 6.099	11 982	755	1.37E-08	4.99E-08	4.52E-06		
E 7.107	11 882	2210	1.37E-08	9.45E-08	1.38E-03		
F 8.101	11 982	743	1.97E-08	4.99E-08	1.64E-05		
G 9.045	11 882	1120	2.46E-08	4.99E-08	8.25E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.21E-07	1.67E-08	8.51E-12	N/A
GROSS BETA	4.64E-06	6.40E-07	6.40E-10	2.13E+00
TRITIUM	1.02E+01	1.40E+00	1.52E-03	5.06E+01
133XE	3.15E-06	4.35E-07	4.71E-10	2.36E-04
110AGM	1.57E-06	2.16E-07	2.34E-10	7.80E-04
60CO	3.24E-06	4.47E-07	4.84E-10	9.68E-04

TABLE 1.2 (PAGE 18 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 615

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	111182	TIME	2155
RELEASE COMPLETION	:	DATE	111282	TIME	655
RELEASE DURATION	:	HRS.	9.00	MIN.	540.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	4.
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	1668949.	FINAL	1799480.
TOTAL VOLUME RELEASED	:	LITERS	8172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	4940599.	GALS	1305310.
AVERAGE RELEASE RATE	:	LPM	15.13	GPM	4.00
AVERAGE BLOWDOWN RATE	:	LPM	9149.26	GPM	2417.24

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
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 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.266	111182	545	1.68E-08	5.43E-07	1.04E+00	1.58E-06	SD1867
B 33.267	111182	552	1.94E-08	5.49E-07	1.04E+00	1.58E-06	SD1868
C 5.099	111182	1955	2.19E-08	5.56E-08	6.32E-07		
D 6.100	111282	1155	2.19E-08	6.59E-08	3.48E-06		
E 7.108	111282	420	2.19E-08	5.85E-08	1.67E-03		
F 8.102	111282	1135	2.19E-08	5.56E-08	4.80E-06		
G 9.045	11 882	1120	2.46E-08	4.99E-08	8.25E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.59E-07	1.94E-08	8.59E-12	N/A
GROSS BETA	4.49E-06	5.49E-07	8.24E-10	2.75E+00
TRITIUM	8.50E+00	1.04E+00	1.72E-03	5.72E+01
133XE	1.29E-05	1.58E-06	2.61E-09	1.30E-03
110AGM	4.37E-07	5.35E-08	8.83E-11	2.94E-04
60CO	8.66E-07	1.06E-07	1.75E-10	3.50E-04

TABLE 1.2 (PAGE 19 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 616

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	111582	TIME	1915
RELEASE COMPLETION	:	DATE	111682	TIME	225
RELEASE DURATION	:	HRS.	7.17	MIN.	430.
TANK LEVEL [INCHES]	:	INITIAL	123.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2728000.	FINAL	2833310.
TOTAL VOLUME RELEASED	:	LITERS	7908.	GALS	2089.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	3985984.	GALS	1053100.
AVERAGE RELEASE RATE	:	LPM	18.39	GPM	4.86
AVERAGE BLOWDOWN RATE	:	LPM	9269.73	GPM	2449.07

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE # ONE
- B = LIQUID WASTE RELEASE SAMPLE # ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.268	111582	650	2.19E-08	9.82E-07	8.71E-01	1.58E-07	SD1890
B 33.269	111582	655	2.19E-08	9.96E-07	8.40E-01	1.58E-07	SD1891
C 5.100	111582	1845	1.37E-08	5.53E-08	6.44E-07		
D 6.101	111682	608	1.48E-08	5.18E-08	7.63E-07		
E 7.109	111682	15	1.97E-08	5.18E-08	1.63E-03		
F 8.103	111682	600	1.48E-08	5.18E-08	2.60E-05		
G 9.046	111782	1015	9.85E-09	5.18E-08	1.76E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.73E-07	2.19E-08	2.39E-11	N/A
GROSS BETA	7.88E-06	9.96E-07	1.87E-09	6.23E+00
TRITIUM	6.89E+00	8.71E-01	1.72E-03	5.75E+01
133XE	1.25E-06	1.58E-07	3.13E-10	1.56E-04

TABLE 1.2 (PAGE 20 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 617

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	111882	TIME	1955
RELEASE COMPLETION	:	DATE	111982	TIME	420
RELEASE DURATION	:	HRS.	8.42	MIN.	505.
TANK LEVEL [INCHES]	:	INITIAL	122.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3469900.	FINAL	3586432.
TOTAL VOLUME RELEASED	:	LITERS	7842.	GALS	2072.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	4410737.	GALS	1165320.
AVERAGE RELEASE RATE	:	LPM	15.53	GPM	4.10
AVERAGE BLOWDOWN RATE	:	LPM	8734.13	GPM	2307.56

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.270	111882	710	1.48E-08	7.27E-07	7.67E-01	1.33E-07	SD1914
B 33.271	111882	710	9.81E-09	6.80E-07	7.76E-01	1.33E-07	SD1915
C 5.101	111882	1930	9.77E-09	5.21E-08	6.58E-07		
D 6.102	111982	818	9.97E-09	5.21E-08	2.03E-06		
E 7.110	111982	140	1.50E-08	5.21E-08	1.31E-03		
F 8.104	111982	825	9.97E-09	5.21E-08	6.58E-07		
G 9.046	111782	1015	9.85E-09	5.18E-08	1.76E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% CF LIMIT OR MPCW
GROSS ALPHA	1.16E-07	1.48E-08	8.79E-12	N/A
GROSS BETA	5.70E-06	7.27E-07	1.20E-09	3.99E+00
TRITIUM	6.09E+00	7.76E-01	1.38E-03	4.59E+01
133XE	1.04E-06	1.33E-07	2.36E-10	1.18E-04

TABLE 1.2 (PAGE 21 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 618

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	112282	TIME	1940
RELEASE COMPLETION	:	DATE	112382	TIME	528
RELEASE DURATION	:	HRS.	9.80	MIN.	588.
TANK LEVEL [INCHES]	:	INITIAL	124.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4417645.	FINAL	4564710.
TOTAL VOLUME RELEASED	:	LITERS	7908.	GALS	2089.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	5566411.	GALS	1470650.
AVERAGE RELEASE RATE	:	LPM	13.45	GPM	3.55
AVERAGE BLOWDOWN RATE	:	LPM	9466.68	GPM	2501.11

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.274	112282	700	1.38E-08	1.28E-06	1.14E+00	6.46E-07	SD1938
B 33.275	112282	705	1.38E-08	1.30E-06	1.12E+00	6.46E-07	SD1939
C 5.102	112282	1830	1.68E-08	5.41E-08	6.51E-07		
D 6.103	112382	1015	1.68E-08	5.41E-08	1.98E-06		
E 7.111	112382	235	1.68E-08	5.41E-08	1.64E-03		
F 8.105	112382	1006	1.68E-08	5.41E-08	4.00E-06		
G 9.047	112282	915	1.68E-08	5.41E-08	6.51E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% CF LIMIT OR MPCW
GROSS ALPHA	1.09E-07	1.38E-08	4.26E-12	N/A
GROSS BETA	1.03E-05	1.30E-06	1.77E-09	5.89E+00
TRITIUM	9.02E+00	1.14E+00	1.62E-03	5.39E+01
133XE	5.11E-06	6.46E-07	9.16E-10	4.58E-04

TABLE 1.2 (PAGE 22 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 619

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	112682	TIME	1748
RELEASE COMPLETION	:	DATE	112682	TIME	2210
RELEASE DURATION	:	HRS.	4.37	MIN.	262.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	1.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	5532000.	FINAL	5582300.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1903855.	GALS	503000.
AVERAGE RELEASE RATE	:	LPM	31.94	GPM	8.44
AVERAGE BLOWDOWN RATE	:	LPM	7266.62	GPM	1919.85

DESCRIPTIONS :

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- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.276	112682	715	1.68E-08	9.75E-07	3.50E-01	5.59E-07	SD1961
B 33.277	112682	720	1.68E-08	9.35E-07	3.48E-01	5.59E-07	SD1962
C 5.103	112682	1735	1.68E-08	5.74E-08	6.34E-07		
D 6.104	112782	230	1.68E-08	5.74E-08	1.47E-06		
E 7.112	112682	2040	1.68E-08	5.74E-08	1.36E-03		
F 8.106	112782	215	1.68E-08	5.74E-08	6.34E-07		
G 9.047	112282	915	1.68E-08	5.41E-08	6.51E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.41E-07	1.68E-08	0.00E-01	N/A
GROSS BETA	8.16E-06	9.75E-07	4.03E-09	1.34E+01
TRITIUM	2.93E+00	3.50E-01	1.53E-03	5.11E+01
133XE	4.68E-06	5.59E-07	2.45E-09	1.22E-03

TABLE 1.2 (PAGE 23 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 620

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12 682	TIME	1913
RELEASE COMPLETION	:	DATE	12 682	TIME	2325
RELEASE DURATION	:	HRS.	4.20	MIN.	252.
TANK LEVEL [INCHES]	:	INITIAL	107.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7642550.	FINAL	7703300.
TOTAL VOLUME RELEASED	:	LITERS	6854.	GALS	1811.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2299388.	GALS	607500.
AVERAGE RELEASE RATE	:	LPM	27.20	GPM	7.19
AVERAGE BLOWDOWN RATE	:	LPM	9124.56	GPM	2410.71

DESCRIPTIONIONS :

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- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.282	12 682	630	1.41E-08	6.24E-07	5.72E-01	1.85E-07	SD2014
B 33.283	12 682	635	1.37E-08	6.17E-07	5.73E-01	1.85E-07	SD2016
C 5.104	12 682	1900	9.71E-09	5.73E-08	6.36E-07		
D 6.105	12 782	230	3.96E-08	5.73E-08	1.01E-06		
E 7.113	12 682	2205	9.91E-09	5.73E-08	1.62E-03		
F 8.107	12 782	232	9.91E-09	5.73E-08	9.21E-06		
G 9.048	113082	1030	1.36E-08	5.82E-08	1.23E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	9.66E-08	1.41E-08	1.62E-12	N/A
GROSS BETA	4.28E-06	6.24E-07	1.68E-09	5.61E+00
TRITIUM	3.93E+00	5.73E-01	1.70E-03	5.68E+01
133X2	1.27E-06	1.85E-07	5.50E-10	2.75E-04

TABLE 1.2 (PAGE 24 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 621

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12 882	TIME	1715
RELEASE COMPLETION	:	DATE	12 882	TIME	2125
RELEASE DURATION	:	HRS.	4. 17	MIN.	250.
TANK LEVEL [INCHES]	:	INITIAL	125.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8087200.	FINAL	8125000.
TOTAL VOLUME RELEASED	:	LITERS	8106.	GALS	2142.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1430730.	GALS	378000.
AVERAGE RELEASE RATE	:	LPM	32. 42	GPM	8. 57
AVERAGE BLOWDOWN RATE	:	LPM	5722. 92	GPM	1512. 00

DESCRIPTIONIONS :

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- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.284	12 882	745	9.78E-09	1.31E-06	1.69E-01	3.84E-07	SD2036
B 33.285	12 882	750	9.78E-09	1.29E-06	1.72E-01	3.84E-07	SD2037
C 5.105	12 882	1700	1.47E-08	6.01E-08	1.49E-06		
D 6.106	12 982	45	1.98E-08	6.17E-08	6.54E-07		
E 7.114	12 882	2010	1.68E-08	5.82E-08	8.36E-04		
F 8.108	12 982	45	2.97E-08	6.17E-08	6.31E-06		
G 9.049	12 782	1100	2.48E-08	5.73E-08	5.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	7.93E-08	9.78E-09	8.45E-11	N/A
GROSS BETA	1.06E-05	1.31E-06	7.06E-09	2.35E+01
TRITIUM	1.39E+00	1.72E-01	9.67E-04	3.22E+01
133XE	3.11E-06	3.84E-07	2.16E-09	1.08E-03

TABLE 1.2 (PAGE 25 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 622

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12 982	TIME	1840
RELEASE COMPLETION	:	DATE	12 982	TIME	2240
RELEASE DURATION	:	HRS.	4.00	MIN.	240.
TANK LEVEL [INCHES]	:	INITIAL	116.	FINAL	2.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8315500.	FINAL	8351500.
TOTAL VOLUME RELEASED	:	LITERS	7513.	GALS	1985.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1362600.	GALS	360000.
AVERAGE RELEASE RATE	:	LPM	31.30	CPM	8.27
AVERAGE BLOWDOWN RATE	:	LPM	5677.50	GPM	1500.00

DESCRIPTIONS :

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- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.286	12 982	1040	1.68E-08	1.73E-06	1.58E-01	4.81E-08	SD2046
B 33.287	12 982	1045	1.68E-08	1.69E-06	1.59E-01	4.81E-08	SD2047
C 5.106	12 982	1745	1.47E-08	6.01E-08	6.45E-07		
D 6.107	121082	145	1.49E-08	5.32E-08	6.45E-07		
E 7.115	12 982	2125	9.70E-09	5.32E-08	7.49E-04		
F 8.109	121082	145	9.70E-09	5.32E-08	6.45E-07		
G 9.049	12 782	1100	2.48E-08	5.73E-08	5.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	1.26E-07	1.68E-08	4.37E-11	N/A
GROSS BETA	1.30E-05	1.73E-06	9.19E-09	3.06E+01
TRITIUM	1.19E+00	1.59E-01	8.70E-04	2.90E+01
133XE	3.61E-07	4.81E-08	2.64E-10	1.32E-04

TABLE 1.2 (PAGE 26 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 623

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121082	TIME	1700
RELEASE COMPLETION	:	DATE	121082	TIME	2200
RELEASE DURATION	:	HRS.	5.00	MIN.	300.
TANK LEVEL [INCHES]	:	INITIAL	128.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8516000.	FINAL	8561000.
TOTAL VOLUME RELEASED	:	LITERS	8238.	GALS	2176.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1703250.	GALS	450000.
AVERAGE RELEASE RATE	:	LPM	27.46	GPM	7.25
AVERAGE BLOWDOWN RATE	:	LPM	5677.50	GPM	1500.00

DESCRIPTIONS :

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 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.288	121082	630	1.15E-08	5.37E-07	3.72E-02	9.97E-08	SD2052
B 33.289	121082	630	9.77E-09	4.75E-07	3.68E-02	9.97E-08	SD2053
C 5.107	121082	1615	9.95E-09	6.87E-08	6.47E-07		
D 6.108	121182	1245	1.49E-08	4.70E-08	6.54E-07		
E 7.116	121082	2030	9.95E-09	4.70E-08	1.35E-04		
F 8.110	121182	1245	9.75E-09	5.43E-08	3.17E-06		
G 9.049	12 782	1100	2.48E-08	5.73E-08	5.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.46E-08	1.15E-08	-6.40E-11	N/A
GROSS BETA	4.42E-06	5.37E-07	2.31E-09	7.69E+00
TRITIUM	3.06E-01	3.72E-02	1.79E-04	5.97E+00
133XE	8.21E-07	9.97E-08	4.80E-10	2.40E-04

TABLE 1.2 (PAGE 27 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 624

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121282	TIME	1932
RELEASE COMPLETION	:	DATE	121282	TIME	2316
RELEASE DURATION	:	HRS.	3.73	MIN.	224.
TANK LEVEL [INCHES]	:	INITIAL	134.	FINAL	30.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8973901.	FINAL	9007589.
TOTAL VOLUME RELEASED	:	LITERS	6854.	GALS	1811.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1275091.	GALS	336880.
AVERAGE RELEASE RATE	:	LPM	30.60	GPM	8.08
AVERAGE BLOWDOWN RATE	:	LPM	5692.37	GPM	1503.93

DESCRIPTIONIONS :

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 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.290	121282	810	1.95E-08	2.77E-07	1.54E-02	0.00E-01	SD2067
B 33.291	121282	815	1.95E-08	2.89E-07	1.54E-02	0.00E-01	SD2068
C 5.108	121282	1830	1.49E-08	4.70E-08	6.47E-07		
D 6.109	121382	517	1.47E-08	6.01E-08	6.54E-07		
E 7.117	121282	2245	9.75E-09	4.70E-08	7.15E-05		
F 8.111	121382	512	9.75E-09	6.15E-08	6.47E-07		
G 9.049	12 782	1100	2.48E-08	5.73E-08	5.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.33E-07	1.95E-08	-2.84E-11	N/A
GROSS BETA	1.98E-06	2.89E-07	1.24E-09	4.14E+00
TRITIUM	1.06E-01	1.54E-02	8.26E-05	2.75E+00

TABLE 1.2 (PAGE 28 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 625

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121382	TIME	1415
RELEASE COMPLETION	:	DATE	121382	TIME	1907
RELEASE DURATION	:	HRS.	4.87	MIN.	292.
TANK LEVEL [INCHES]	:	INITIAL	126.	FINAL	0.
FLOWDOWN INTEGRATOR READINGS	:	INITIAL	9151600.	FINAL	9204500.
TOTAL VOLUME RELEASED	:	LITERS	8303.	GALS	2194.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2002265.	GALS	529000.
AVERAGE RELEASE RATE	:	LPM	28.44	GPM	7.51
AVERAGE BLOWDOWN RATE	:	LPM	6857.07	GPM	1811.64

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
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 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.292	121382	630	1.95E-08	1.09E-07	7.06E-03	4.34E-08	SD2076
B 33.293	121382	635	1.69E-08	7.72E-08	7.63E-03	4.34E-08	SD2077
C 5.109	121382	1330	1.68E-08	5.91E-08	6.54E-07		
D 6.110	121382	2255	1.68E-08	5.91E-08	6.54E-07		
E 7.118	121382	1723	1.68E-08	5.91E-08	2.89E-05		
F 8.112	121382	2245	1.68E-08	5.91E-08	6.54E-07		
G 9.049	12 782	1100	2.48E-08	5.73E-08	5.59E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.62E-07	1.95E-08	-2.16E-11	N/A
GROSS BETA	9.01E-07	1.09E-07	2.11E-10	7.05E-01
TRITIUM	5.86E-02	7.06E-03	2.91E-05	9.71E-01
135XE	3.60E-07	4.34E-08	1.79E-10	8.96E-13

TABLE 1.2 (PAGE 29 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 626

RELEASE MADE FROM	:	TANK	T-6202		
RELEASE START	:	DATE	121482	TIME	119
RELEASE COMPLETION	:	DATE	121482	TIME	558
RELEASE DURATION	:	HRS.	4.65	MIN.	279.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9271300.	FINAL	9322200.
TOTAL VOLUME RELEASED	:	LITERS	8303.	GALS	2194.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1926565.	GALS	509000.
AVERAGE RELEASE RATE	:	LPM	29.76	GPM	7.86
AVERAGE BLOWDOWN RATE	:	LPM	6905.25	GPM	1824.37

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.294	121382	1315	1.69E-08	6.72E-07	1.21E-02	1.06E-07	SD2081
B 33.295	121382	1320	1.69E-08	6.11E-07	1.21E-02	1.06E-07	SD2082
C 5.110	121482	100	1.68E-08	5.91E-08	6.54E-07		
D 6.111	121482	1840	1.68E-08	5.91E-08	6.54E-07		
E 7.119	121482	500	1.68E-08	5.91E-08	5.18E-05		
F 8.113	121482	1850	1.68E-08	5.91E-08	1.37E-06		
G 9.050	121482	1000	1.68E-08	5.91E-08	6.32E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.40E-07	1.69E-08	4.66E-13	N/A
GROSS BETA	5.58E-06	6.72E-07	2.63E-09	8.76E+00
TRITIUM	1.00E-01	1.21E-02	5.18E-05	1.73E+00
133XE	8.80E-07	1.06E-07	4.55E-10	2.27E-04

TABLE 1.2 (PAGE 30 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 627

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121582	TIME	2013
RELEASE COMPLETION	:	DATE	121682	TIME	12
RELEASE DURATION	:	HRS.	3.98	MIN.	239.
TANK LEVEL [INCHES]	:	INITIAL	124.	FINAL	10.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9738120.	FINAL	9781800.
TOTAL VOLUME RELEASED	:	LITERS	7513.	GALS	1985.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1653288.	GALS	436800.
AVERAGE RELEASE RATE	:	LPM	31.43	GPM	8.30
AVERAGE BLOWDOWN RATE	:	LPM	6917.52	GPM	1827.61

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.296	121582	530	1.31E-08	2.23E-07	2.95E-03	0.00E-01	SD2100
B 33.297	121582	535	9.70E-09	2.13E-07	2.97E-03	0.00E-01	SD2101
C 5.111	121582	1915	2.96E-08	5.24E-08	6.45E-07		
D 6.112	121682	305	1.48E-08	7.20E-08	6.32E-07		
E 7.120	121582	2300	9.59E-09	6.01E-08	1.39E-05		
F 8.114	121682	257	1.48E-08	5.24E-08	6.94E-07		
G 9.050	121482	1000	1.68E-08	5.91E-08	6.32E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.86E-08	1.31E-08	-1.65E-11	N/A
GROSS BETA	1.67E-06	2.23E-07	7.40E-10	2.47E+00
TRITIUM	2.23E-02	2.97E-03	1.34E-05	4.48E-01

TABLE 1.2 (PAGE 31 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 628

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121782	TIME	1903
RELEASE COMPLETION	:	DATE	121782	TIME	2300
RELEASE DURATION	:	HRS.	3.95	MIN.	237.
TANK LEVEL [INCHES]	:	INITIAL	137.	FINAL	10.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	252300.	FINAL	294550.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1599163.	GALS	422500.
AVERAGE RELEASE RATE	:	LPM	35.31	GPM	9.33
AVERAGE BLOWDOWN RATE	:	LPM	6747.52	GPM	1782.70

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.298	121782	625	1.14E-08	4.72E-07	8.20E-02	0.00E-01	SD2128
B 33.299	121782	630	9.73E-09	4.71E-07	8.29E-02	0.00E-01	SD2129
C 5.112	121782	1800	9.78E-09	6.17E-08	6.32E-07		
D 6.113	121882	201	9.59E-09	6.01E-08	6.32E-07		
E 7.121	121782	2200	2.94E-08	6.01E-08	3.89E-04		
F 8.115	121882	230	9.98E-09	5.18E-08	3.41E-06		
G 9.050	121482	1000	1.68E-08	5.91E-08	6.32E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.58E-08	1.14E-08	-2.78E-11	N/A
GROSS BETA	3.95E-06	4.72E-07	2.15E-09	7.16E+00
TRITIUM	6.93E-01	8.29E-02	4.31E-04	1.44E+01

TABLE 1.2 (PAGE 32 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 629

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	121882	TIME	2125
RELEASE COMPLETION	:	DATE	121982	TIME	202
RELEASE DURATION	:	HRS.	4.62	MIN.	277.
TANK LEVEL [INCHES]	:	INITIAL	137.	FINAL	3.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	486400.	FINAL	526390.
TOTAL VOLUME RELEASED	:	LITERS	8831.	GALS	2333.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1513622.	GALS	399900.
AVERAGE RELEASE RATE	:	LPM	31.88	GPM	8.42
AVERAGE BLOWDOWN RATE	:	LPM	5464.34	GPM	1443.68

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.300	121882	1240	9.85E-09	2.64E-07	2.95E-02	0.00E-01	SD2134
B 33.301	121882	1245	9.78E-09	2.36E-07	2.96E-02	0.00E-01	SD2135
C 5.113	121882	2030	9.66E-09	6.00E-08	6.32E-07		
D 6.114	121982	510	9.86E-09	6.00E-08	6.85E-07		
E 7.122	121982	30	2.47E-08	6.00E-08	1.59E-04		
F 8.116	121982	510	2.47E-08	6.00E-08	6.32E-07		
G 9.050	121482	1000	1.68E-08	5.91E-08	6.32E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	8.70E-08	9.85E-09	4.02E-11	N/A
GROSS BETA	2.33E-06	2.64E-07	1.19E-09	3.95E+00
TRITIUM	2.62E-01	2.96E-02	1.72E-04	5.73E+00

TABLE 1.2 (PAGE 33 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 630

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	122082	TIME	2000
RELEASE COMPLETION	:	DATE	122182	TIME	207
RELEASE DURATION	:	HRS.	6.12	MIN.	367.
TANK LEVEL [INCHES]	:	INITIAL	130.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	941904.	FINAL	1006400.
TOTAL VOLUME RELEASED	:	LITERS	8303.	GALS	2194.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2441174.	GALS	644960.
AVERAGE RELEASE RATE	:	LPM	22.63	GPM	5.98
AVERAGE BLOWDOWN RATE	:	LPM	6651.70	GPM	1757.38

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.302	122082	630	1.63E-08	1.45E-07	1.38E-02	0.00E-01	SD2140
B 33.303	122082	640	9.73E-09	9.93E-08	1.40E-02	0.00E-01	SD2141
C 5.114	122082	1805	9.87E-09	5.16E-08	6.32E-07		
D 6.115	122082	500	9.87E-09	5.78E-08	6.32E-07		
E 7.123	122082	2300	9.87E-09	5.16E-08	5.89E-05		
F 8.117	122182	515	9.87E-09	6.14E-08	6.32E-07		
G 9.051	122182	1000	2.00E-08	7.96E-08	1.41E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.35E-07	1.63E-08	-1.25E-11	N/A
GROSS BETA	1.21E-06	1.45E-07	2.23E-10	7.44E-01
TRITIUM	1.17E-01	1.40E-02	4.76E-05	1.59E+00

TABLE 1.2 (PAGE 34 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 631

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	122282	TIME	1030
RELEASE COMPLETION	:	DATE	122282	TIME	1543
RELEASE DURATION	:	HRS.	5.22	MIN.	313.
TANK LEVEL [INCHES]	:	INITIAL	131.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1337000.	FINAL	1391008.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2044203.	GALS	540080.
AVERAGE RELEASE RATE	:	LPM	26.74	GPM	7.06
AVERAGE BLOWDOWN RATE	:	LPM	6531.00	GPM	1725.50

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
DATE	TIME				
A 33.304	1.37E-08	2.85E-07	2.51E-03	0.00E-01	SD2154
B 33.305	1.37E-08	3.26E-07	2.48E-03	0.00E-01	SD2155
C 5.115	2.00E-08	5.26E-08	6.25E-07		
D 6.116	1.50E-08	5.79E-08	8.16E-07		
E 7.124	2.00E-08	5.26E-08	1.45E-05		
F 8.118	1.50E-08	5.26E-08	7.98E-07		
G 9.051	2.00E-08	7.96E-08	1.41E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.14E-07	1.37E-08	-2.57E-11	N/A
GROSS BETA	2.73E-06	3.26E-07	1.01E-09	3.35E+00
TRITIUM	2.10E-02	2.51E-03	1.02E-05	3.40E-01
110AGM	1.93E-07	2.31E-08	9.42E-11	3.14E-04

TABLE 1.2 (PAGE 35 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 632

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	122382	TIME	1530
RELEASE COMPLETION	:	DATE	122382	TIME	2030
RELEASE DURATION	:	HRS.	5.00	MIN.	300.
TANK LEVEL [INCHES]	:	INITIAL	131.	FINAL	4.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1643790.	FINAL	1696601.
TOTAL VOLUME RELEASED	:	LITERS	8369.	GALS	2211.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1998896.	GALS	528110.
AVERAGE RELEASE RATE	:	LPM	27.90	GPM	7.37
AVERAGE BLOWDOWN RATE	:	LPM	6662.99	GPM	1760.37

DESCRIPTIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.306	122382	625	1.15E-08	1.88E-07	2.60E-03	0.00E-01	SD2162
B 33.307	122382	630	9.67E-09	2.06E-07	2.59E-03	0.00E-01	SD2163
C 5.116	122382	1439	3.50E-08	5.26E-08	6.44E-07		
D 6.117	122482	15	3.00E-08	5.26E-08	6.25E-07		
E 7.125	122382	1845	1.00E-08	5.26E-08	1.08E-05		
F 8.119	122482	2400	1.00E-08	5.26E-08	9.25E-06		
G 9.051	122182	1000	2.00E-08	7.96E-08	1.41E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.58E-08	1.15E-08	3.56E-11	N/A
GROSS BETA	1.72E-06	2.06E-07	5.27E-10	1.76E+00
TRITIUM	2.17E-02	2.60E-03	1.08E-05	3.61E-01

TABLE 1.2 (PAGE 3/5 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 633

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	122982	TIME	1602
RELEASE COMPLETION	:	DATE	122982	TIME	1705
RELEASE DURATION	:	HRS.	1.05	MIN.	63.
TANK LEVEL [INCHES]	:	INITIAL	134.	FINAL	108.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3157000.	FINAL	3167600.
TOTAL VOLUME RELEASED	:	LITERS	1713.	GALS	453.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	401210.	GALS	106000.
AVERAGE RELEASE RATE	:	LPM	27.20	GPM	7.19
AVERAGE BLOWDOWN RATE	:	LPM	6368.41	GPM	1682.54

DESCRIPTIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.312	122982	655	1.37E-08	2.59E-07	1.76E-02	1.69E-08	SD2189
B 33.313	122982	700	1.37E-08	2.88E-07	1.75E-02	1.69E-08	SD2190
C 5.117	122982	1400	9.72E-09	5.97E-08	6.35E-07		
D 6.118	122982	2140	9.72E-09	5.97E-08	6.35E-07		
E 7.126	122982	1700	2.98E-08	5.97E-08	6.25E-07		
F 8.120	122982	2100	2.48E-08	5.97E-08	6.35E-07		
G 9.052	122982	1100	3.98E-08	5.23E-08	6.44E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.35E-08	1.37E-08	1.11E-10	N/A
GROSS BETA	4.93E-07	2.88E-07	1.00E-09	3.34E+00
TRITIUM	3.02E-02	1.76E-02	7.50E-05	2.50E+00
133XE	2.90E-08	1.69E-08	7.19E-11	3.59E-05

TABLE 1.2 (PAGE 37 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 634

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	123082	TIME	408
RELEASE COMPLETION	:	DATE	123082	TIME	505
RELEASE DURATION	:	HRS.	4.95	MIN.	297.
TANK LEVEL [INCHES]	:	INITIAL	103.	FINAL	18.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3272598.	FINAL	3319400.
TOTAL VOLUME RELEASED	:	LITERS	5602.	GALS	1480.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1771456.	GALS	468020.
AVERAGE RELEASE RATE	:	LPM	18.86	GPM	4.98
AVERAGE BLOWDOWN RATE	:	LPM	5964.50	GPM	1575.83

DESCRIPTIONIONS :

- A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
- C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
- D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
- E = BLOWDOWN SAMPLE - DURING RELEASE
- F = BLOWDOWN SAMPLE - AFTER RELEASE
- G = BLOWDOWN SAMPLE - WEEKLY

RC-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.314	122982	2000	1.41E-08	4.82E-07	1.76E-02	0.00E-01	SD2196
B 33.315	122982	2005	1.38E-08	4.19E-07	1.77E-02	0.00E-01	SD2197
C 5.118	123082	310	3.97E-08	8.64E-08	6.37E-07		
D 6.119	123182	220	9.73E-09	8.28E-08	6.37E-07		
E 7.127	123082	800	1.49E-08	4.89E-08	6.38E-05		
F 8.121	123182	200	9.73E-09	5.04E-08	6.37E-07		
G 9.052	122782	1100	3.98E-08	5.23E-08	6.44E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	7.92E-08	1.41E-08	8.08E-11	N/A
GROSS BETA	2.70E-06	4.82E-07	1.36E-09	4.52E+00
TRITIUM	9.92E-02	1.77E-02	5.58E-05	1.86E+00
60CO	2.06E-07	3.68E-08	1.16E-10	2.32E-04

TABLE 1.2 (PAGE 38 OF 38)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 635

RELEASE MADE FROM	:	TANK	T-6202		
RELEASE START	:	DATE	123182	TIME	2121
RELEASE COMPLETION	:	DATE	1 183	TIME	105
RELEASE DURATION	:	HRS.	3.73	MIN.	224.
TANK LEVEL [INCHES]	:	INITIAL	110.	FINAL	9.
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3664045.	FINAL	3700042.
TOTAL VOLUME RELEASED	:	LITERS	6656.	GALS	1758.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1362487.	GALS	359970.
AVERAGE RELEASE RATE	:	LPM	29.71	GPM	7.85
AVERAGE BLOWDOWN RATE	:	LPM	6082.53	GPM	1607.01

DESCRIPTIONIONS :

A = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 B = LIQUID WASTE RELEASE SAMPLE NUMBER ONE
 C = RIVER SAMPLE - UPSTREAM BEFORE RELEASE
 D = RIVER SAMPLE - DOWNSTREAM AFTER RELEASE
 E = BLOWDOWN SAMPLE - DURING RELEASE
 F = BLOWDOWN SAMPLE - AFTER RELEASE
 G = BLOWDOWN SAMPLE - WEEKLY

RC- NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.316	123182	1455	1.99E-08	1.18E-06	5.18E-03	0.00E-01	SD2208
B 33.317	123182	1500	1.48E-08	1.11E-06	5.18E-03	0.00E-01	SD2209
C 5.119	123182	2055	2.48E-08	5.77E-08	1.16E-06		
D 6.001	1 183	408	9.91E-09	9.36E-08	6.58E-07		
E 7.001	1 183	10	2.48E-08	5.55E-08	2.70E-05		
F 8.001	1 183	418	1.37E-08	5.05E-08	6.58E-07		
G 9.052	122782	1100	3.98E-08	5.23E-08	6.44E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.32E-07	1.99E-08	-9.70E-11	N/A
GROSS BETA	7.86E-06	1.18E-06	5.49E-09	1.83E+01
TRITIUM	3.45E-02	5.18E-03	2.52E-05	8.39E-01
60CO	6.10E-07	9.16E-08	4.45E-10	9.91E-04

TABLE 1.3: LIQUID EFFLUENT RELEASED VIA THE TURBINE BUILDING SUMP AND THE REACTOR BUILDING SUMP (CONTINUOUS RELEASE)

4 QUARTER 1982

TURBINE BUILDING SUMP

	MONTH	OCT	NOV	DEC	QUARTERLY TOTAL
VOLUME	LITERS	4.37E+06	8.09E+06	6.19E+06	1.87E+07
TRITIUM	AVERAGE $\mu\text{Ci}/\text{ml}$	7.66E-05	2.19E-05	1.11E-05	3.66E-05*
	TOTAL CURIES	3.35E-01	1.77E-01	6.87E-02	6.83E-01
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci}/\text{ml}$	5.62E-08	5.80E-08	6.40E-08	5.94E-08*
	TOTAL CURIES	2.46E-04	4.69E-04	3.96E-04	1.11E-03
GROSS α	AVERAGE $\mu\text{Ci}/\text{ml}$	1.30E-08	1.47E-08	1.44E-08	1.40E-08*
	TOTAL CURIES	5.68E-05	1.19E-04	8.91E-05	2.61E-04

REACTOR BUILDING SUMP

	MONTH	OCT	NOV	DEC	QUARTERLY TOTAL
VOLUME	LITERS	1.19E+06	8.44E+05	5.63E+05	2.60E+06
TRITIUM	AVERAGE $\mu\text{Ci}/\text{ml}$	2.34E-03	1.95E-03	1.40E-03	1.91E-03*
	TOTAL CURIES	2.78E+00	1.65E+00	7.88E-01	4.96E+00
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci}/\text{ml}$	5.79E-08	5.71E-08	1.28E-07	7.89E-08*
	TOTAL CURIES	6.89E-05	4.82E-05	7.21E-05	2.05E-04
GROSS α	AVERAGE $\mu\text{Ci}/\text{ml}$	1.63E-08	1.55E-08	1.35E-08	1.52E-08*
	TOTAL CURIES	1.94E-05	1.31E-05	7.60E-06	3.95E-05

* Represents "weighted" average

TABLE 2.1 - RADIOACTIVE GASEOUS EFFLUENT RELEASES FOR 4 QUARTER, 1982

	UNITS	OCT	NOV	DEC	QUARTERLY TOTAL
1a. Total Noble Gases	Curies	2.05E+01	3.11E+00	3.63E-01	2.40E+01
1b. Total Tritium	Curies	1.47E-01	1.41E-01	2.06E-01	4.95E-01
1c. Total Halogens	Curies	5.00E-07	NSA	NSA	5.00E-07
1d. Total Particulate Gross (β,γ) Activity RT-7325	Curies	4.37E-08	5.41E-08	4.98E-08	1.48E-07
1e. Total Particulate Gross (Alpha Activity RT-7325	Curies	1.07E-08	1.15E-08	1.18E-08	3.40E-08
2. Maximum Hourly Release Rate for Any One Hour Period	Ci/hr	5.52E-01	7.02E-02	1.99E-02	5.52E+01
3. Estimated Total Radioac- tivity Released by Nu- clide (MPCa)					
Particulates	MPCa	Curies			
			NSA	NSA	NSA
Halogens	MPCa	Curies			
131I			5.00E-07	NSA	5.00E-07
Gases	MPCa	Curies			
3H	3.00E-03		1.47E-01	1.41E-01	2.06E-01
85Kr	3.00E-07		8.62E-01	5.49E-01	NSA
85Kr(m)	1.00E-07		1.45E-03	1.36E-03	NSA
131Xe(m)	4.00E-07		5.28E-01	3.59E-01	NSA
133Xe	3.00E-07		1.91E+01	2.18E+00	3.60E-01
133Xe(m)	3.00E-07		6.68E-02	4.66E-03	NSA
135Xe	1.00E-07		2.19E-02	2.49E-02	2.48E-03
203Hg	2.00E-09		1.04E-06	NSA	NSA
88Kr	2.00E-08		NSA	1.86E-04	NSA

$4.7E-05 = 4.7 \times 10^{-5}$

$5.2E+03 = 5.2 \times 10^{+3}$

NSA means no significant activity.

TABLE 2.2 (PAGE 1 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 703

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 10 182 TIME 430
 RELEASE COMPLETION : DATE 10 182 TIME 2122
 RELEASE DURATION : HRS. 16.87 OR MIN. 1012.
 TANK PRESSURE [PSIG] : INITIAL 470 FINAL 50
 TANK TEMPERATURE : DEG-F 65
 AVERAGE RELEASE RATE : CFM 18.59
 TOTAL VOLUME OF GAS RELEASED : SCC 5.33E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 34000.
 STABILITY @ START OF RELEASE : CATAGORY "A"
 RC-NUMBER : GRAB 34.121 TRITIUM 35.120

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.55E-05	2.00E-07	1.27E+02	1.36E-02
133XE	1.18E-04	3.00E-07	3.93E+02	6.29E-02
85KRM	2.73E-06	1.00E-07	2.73E+01	1.45E-03
133XEM	2.52E-06	3.00E-07	8.40E+00	1.34E-03
135XE	3.02E-05	1.00E-07	3.02E+02	1.61E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 8.18E-02

ACTIVITY RELEASED RATE : CI/HR 5.65E-03 UCI/SEC 1.57E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 704

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 10 282 TIME 1500

RELEASE COMPLETION : DATE 10 382 TIME 400

RELEASE DURATION : HRS. 13.00 OR MIN. 780.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 50

TANK TEMPERATURE : DEG-F 82

AVERAGE RELEASE RATE : CFM 21.14

TOTAL VOLUME OF GAS RELEASED : SCC 4.67E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.122 TRITIUM 35.121

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.20E-05	2.00E-07	5.99E+01	5.59E-03
133XE	1.69E-04	3.00E-07	5.63E+02	7.89E-02
133XEM	5.77E-06	3.00E-07	1.92E+01	2.69E-03
135XE	4.01E-06	1.00E-07	4.01E+01	1.87E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 8.35E-02

ACTIVITY RELEASED RATE : CI/HR 6.85E-03 UCI/SEC 1.90E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 3 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 705

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 10 382 TIME 1728

RELEASE COMPLETION : DATE 10 482 TIME 741

RELEASE DURATION : HRS. 14.22 OR MIN. 853.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 50

TANK TEMPERATURE : DEG-F 73

AVERAGE RELEASE RATE : CFM 18.62

TOTAL VOLUME OF GAS RELEASED : SCC 4.50E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.123 TRITIUM 35.122

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.04E-04	2.00E-07	5.18E+02	4.66E-02
133XE	1.52E-03	3.00E-07	5.07E+03	6.84E-01
131XEM	3.65E-05	4.00E-07	9.13E+01	1.64E-02
133XEM	8.13E-06	3.00E-07	2.71E+01	3.66E-03
135XE	3.31E-06	1.00E-07	3.31E+01	1.49E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 7.05E-01

ACTIVITY RELEASED RATE : CI/HR 5.29E-02 UCI/SEC 1.47E+01

PERCENT OF TECH. SPEC. LIMIT : 0.17 %

TABLE 2.2 (PAGE 4 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 706

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 10 482 TIME 1505
 RELEASE COMPLETION : DATE 10 582 TIME 315

RELEASE DURATION : HRS. 12.17 OR MIN. 730.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 50

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 23.10

TOTAL VOLUME OF GAS RELEASED : SCC 4.78E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.124 TRITIUM 35.123

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.02E-05	2.00E-07	5.12E+01	4.89E-03
133XE	1.61E-03	3.00E-07	5.37E+03	7.69E-01
131XEM	3.27E-05	4.00E-07	8.18E+01	1.56E-02
133XEM	5.00E-06	3.00E-07	1.67E+01	2.39E-03
135XE	8.65E-07	1.00E-07	8.65E+00	4.13E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 7.87E-01

ACTIVITY RELEASED RATE : CI/HR 6.51E-02 UCI/SEC 1.81E+01

PERCENT OF TECH. SPEC. LIMIT : 0.20 %

TABLE 2.2 (PAGE 5 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 707

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 10 582 TIME 2235

RELEASE COMPLETION : DATE 10 682 TIME 1245

RELEASE DURATION : HRS. 14.17 OR MIN. 850.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 50

TANK TEMPERATURE : DEG-F 63

AVERAGE RELEASE RATE : CFM 20.37

TOTAL VOLUME OF GAS RELEASED : SCC 4.90E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "C"

RC-NUMBER : GRAB 34.125 TRITIUM 35.124

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.20E-05	2.00E-07	2.10E+02	2.06E-02
133XE	1.51E-02	3.00E-07	5.03E+04	7.40E+00
131XEM	3.31E-04	4.00E-07	8.27E+02	1.62E-01
133XEM	9.01E-05	3.00E-07	3.00E+02	4.42E-02
135XE	4.16E-06	1.00E-07	4.16E+01	2.04E-03
85KR	3.89E-04	3.00E-07	1.30E+03	1.91E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 7.80E+00

ACTIVITY RELEASED RATE : CI/HR 5.52E-01 UCI/SEC 1.53E+02

PERCENT OF TECH. SPEC. LIMIT : 1.70 %

TABLE 2.2 (PAGE 6 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 708

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 10 882 TIME 1740

RELEASE COMPLETION : DATE 10 982 TIME 729

RELEASE DURATION : HRS. 13.82 OR MIN. 829.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 50

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 20.42

TOTAL VOLUME OF GAS RELEASED : SCC 4.79E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "B"

RC-NUMBER : GRAB 34.126 TRITIUM 35.125

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.59E-06	2.00E-07	4.29E+01	4.11E-03
133XE	1.14E-03	3.00E-07	3.80E+03	5.46E-01
131XEM	2.92E-05	4.00E-07	7.30E+01	1.40E-02
133XEM	5.29E-06	3.00E-07	1.76E+01	2.54E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 5.63E-01

ACTIVITY RELEASED RATE : CI/HR 4.10E-02 UCI/SEC 1.14E+01

PERCENT OF TECH. SPEC. LIMIT : 0.13 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 709

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 101282 TIME 1911

RELEASE COMPLETION : DATE 101382 TIME 1600

RELEASE DURATION : HRS. 20.82 OR MIN. 1249.

TANK PRESSURE [PSIG] : INITIAL 470 FINAL 50

TANK TEMPERATURE : DEG-F 67

AVERAGE RELEASE RATE : CFM 15.01

TOTAL VOLUME OF GAS RELEASED : SCC 5.31E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : CRAD 34.127 TRITIUM 35.126

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.15E-05	2.00E-07	5.73E+01	6.08E-03
133XE	1.45E-03	3.00E-07	4.83E+03	7.70E-01
131XEM	5.19E-05	4.00E-07	1.30E+02	2.75E-02
133XEM	2.32E-06	3.00E-07	7.73E+00	1.23E-03
85KR	2.80E-04	3.00E-07	9.33E+02	1.49E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 9.47E-01

ACTIVITY RELEASED RATE : CI/HR 4.55E-02 UCI/SEC 1.27E+01

PERCENT OF TECH. SPEC. LIMIT : 0.14 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 710

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 101682 TIME 1910
 RELEASE COMPLETION : DATE 101782 TIME 828
 RELEASE DURATION : HRS. 13.30 OR MIN. 798.
 TANK PRESSURE [PSIG] : INITIAL 430 FINAL 76
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 19.69
 TOTAL VOLUME OF GAS RELEASED : SCC 4.45E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 31000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.128 TRITIUM 35.127

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.46E-05	2.00E-07	1.23E+02	1.09E-02
133XE	1.10E-02	3.00E-07	3.67E+04	4.89E+00
131XEM	2.55E-04	4.00E-07	6.38E+02	1.13E-01
133XEM	1.98E-05	3.00E-07	6.60E+01	8.81E-03
85KR	4.81E-04	3.00E-07	1.60E+03	2.14E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 5.23E+00

ACTIVITY RELEASED RATE : CI/HR 3.94E-01 UCI/SEC 1.09E+02

PERCENT OF TECH. SPEC. LIMIT : 1.21 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 711

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 102182 TIME 1410

RELEASE COMPLETION : DATE 102282 TIME 1230

RELEASE DURATION : HRS. 22.33 OR MIN. 1340.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 50

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 12.96

TOTAL VOLUME OF GAS RELEASED : SCC 4.92E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "B"

RC-NUMBER : GRAB 34.129 TRITIUM 35.128

ACTIVITY RELEASED BY NUCLJDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.54E-05	2.00E-07	7.71E+01	7.59E-03
133XE	2.60E-03	3.00E-07	8.67E+03	1.28E+00
131XEM	8.71E-05	4.00E-07	2.18E+02	4.28E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.32E+00

ACTIVITY RELEASED RATE : CI/HR 5.95E-02 UCI/SEC 1.65E+01

PERCENT OF TECH. SPEC. LIMIT : 0.18 %

TABLE 2.2 (PAGE 10 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 712

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 102582 TIME 1410

RELEASE COMPLETION : DATE 102682 TIME 645

RELEASE DURATION : HRS. 16.58 OR MIN. 995.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 45

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 17.62

TOTAL VOLUME OF GAS RELEASED : SCC 4.96E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.130 TRITIUM 35.129

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.00E-05	2.00E-07	5.02E+01	4.98E-03
133XE	2.79E-03	3.00E-07	9.30E+03	1.38E+00
131XEM	1.33E-04	4.00E-07	3.32E+02	6.60E-02
85KR	4.22E-04	3.00E-07	1.41E+03	2.09E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 1.66E+00

ACTIVITY RELEASED RATE : CI/HR 1.00E-01 UCI/SEC 2.79E+01

PERCENT OF TECH. SPEC. LIMIT : 0.31 %

TABLE 2.2 (PAGE 11 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 713

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 102782 TIME 1730

RELEASE COMPLETION : DATE 102882 TIME 950

RELEASE DURATION : HRS. 16.33 OR MIN. 980.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 50

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 17.18

TOTAL VOLUME OF GAS RELEASED : SCC 4.77E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.131 TRITIUM 35.130

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.62E-05	2.00E-07	8.08E+01	7.70E-03
133XE	8.69E-04	3.00E-07	2.90E+03	4.14E-01
131XEM	5.06E-05	4.00E-07	1.27E+02	2.41E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.38E-01

ACTIVITY RELEASED RATE : CI/HR 2.73E-02 UCI/SEC 7.58E+00

PERCENT OF TECH. SPEC. LIMIT : 0.08 %

TABLE 2.2 (PAGE 12 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 714

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 102982 TIME 1430

RELEASE COMPLETION : DATE 103082 TIME 345

RELEASE DURATION : HRS. 13.25 OR MIN. 795.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 45

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 21.41

TOTAL VOLUME OF GAS RELEASED : SCC 4.82E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.132 TRITIUM 35.131

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.51E-06	2.00E-07	2.75E+01	2.65E-03
133XE	1.03E-03	3.00E-07	3.43E+03	4.96E-01
131XEM	6.61E-05	4.00E-07	1.65E+02	3.19E-02
85KR	2.06E-04	3.00E-07	6.87E+02	9.93E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 6.28E-01

ACTIVITY RELEASED RATE : CI/HR 4.76E-02 UCI/SEC 1.32E+01

PERCENT OF TECH. SPEC. LIMIT : 0.15 %

TABLE 2.2 (PAGE 13 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 715

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 103082 TIME 1741

RELEASE COMPLETION : DATE 103182 TIME 715

RELEASE DURATION : HRS. 13.57 OR MIN. 814.

TANK PRESSURE [PSIG] : INITIAL 425 FINAL 50

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 20.48

TOTAL VOLUME OF GAS RELEASED : SCC 4.72E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : CRAB 34.133 TRITIUM 35.132

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.63E-05	2.00E-07	8.16E+01	7.71E-03
133XE	2.99E-04	3.00E-07	9.97E+02	1.41E-01
131XEM	1.32E-05	4.00E-07	3.30E+01	6.23E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.47E-01

ACTIVITY RELEASED RATE : CI/HR 1.14E-02 UCI/SEC 3.18E+00

PERCENT OF TECH. SPEC. LIMIT : 0.04 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 716

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 103182 TIME 1718

RELEASE COMPLETION : DATE 11 182 TIME 400

RELEASE DURATION : HRS. 10.70 OR MIN. 642.

TANK PRESSURE [PSIG] : INITIAL 375 FINAL 50

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 22.42

TOTAL VOLUME OF GAS RELEASED : SCC 4.09E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.134 TRITIUM 35.133

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.04E-05	2.00E-07	5.20E+01	4.24E-03
133XE	3.61E-04	3.00E-07	1.20E+03	1.47E-01
131XEM	1.93E-05	4.00E-07	4.83E+01	7.87E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.55E-01

ACTIVITY RELEASED RATE : CI/HR 1.49E-02 UCI/SEC 4.13E+00

PERCENT OF TECH. SPEC. LIMIT : 0.05 %

TABLE 2.2 (PAGE 15 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 717

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11 182 TIME 2100

RELEASE COMPLETION : DATE 11 282 TIME 640

RELEASE DURATION : HRS. 9.67 OR MIN. 580.

TANK PRESSURE [PSIG] : INITIAL 470 FINAL 80

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 29.78

TOTAL VOLUME OF GAS RELEASED : SCC 4.89E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.135 TRITIUM 35.134

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.20E-05	2.00E-07	1.10E+02	1.07E-02
133XE	1.96E-04	3.00E-07	6.53E+02	9.59E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 9.59E-02

ACTIVITY RELEASED RATE : CI/HR 1.10E-02 UCI/SEC 3.06E+00

PERCENT OF TECH. SPEC. LIMIT : 0.04 %

TABLE 2.2 (PAGE 16 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 718

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11 282 TIME 2020

RELEASE COMPLETION : DATE 11 382 TIME 612

RELEASE DURATION : HRS. 9.87 OR MIN. 592.

TANK PRESSURE [PSIG] : INITIAL 370 FINAL 50

TANK TEMPERATURE : DEG-F 73

AVERAGE RELEASE RATE : CFM 23.85

TOTAL VOLUME OF GAS RELEASED : SCC 4.00E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.136 TRITIUM 35.135

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.10E-05	2.00E-07	2.05E+02	1.64E-02
133XE	3.04E-04	3.00E-07	1.01E+03	1.22E-01
131XEM	3.30E-05	4.00E-07	8.25E+01	1.32E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.35E-01

ACTIVITY RELEASED RATE : CI/HR 1.53E-02 UCI/SEC 4.26E+00

PERCENT OF TECH. SPEC. LIMIT : 0.05 %

TABLE 2.2 (PAGE 17 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 719

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 11 382 TIME 1820
 RELEASE COMPLETION : DATE 11 482 TIME 740
 RELEASE DURATION : HRS. 13.33 OR MIN. 800.
 TANK PRESSURE [PSIG] : INITIAL 360 FINAL 50
 TANK TEMPERATURE : DEG-F 67
 AVERAGE RELEASE RATE : CFM 17.29
 TOTAL VOLUME OF GAS RELEASED : SCC 3.92E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 31000.
 STABILITY @ START OF RELEASE : CATAGORY "F"
 RC-NUMBER : GRAB 34.137 TRITIUM 35.136

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.52E-05	2.00E-07	7.58E+01	5.94E-03
133XE	1.38E-04	3.00E-07	4.60E+02	5.41E-02
131XEM	1.64E-05	4.00E-07	4.10E+01	6.42E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 6.05E-02

ACTIVITY RELEASED RATE : CI/HR 4.98E-03 UCI/SEC 1.38E+00
 PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 18 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 720

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11 482 TIME 2005

RELEASE COMPLETION : DATE 11 582 TIME 706

RELEASE DURATION : HRS. 11.02 OR MIN. 661.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 50

TANK TEMPERATURE : DEG-F 77

AVERAGE RELEASE RATE : CFM 23.85

TOTAL VOLUME OF GAS RELEASED : SCC 4.46E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATEGORY "F"

RC-NUMBER : GRAB 34.138 TRITIUM 35.137

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.84E-05	2.00E-07	9.20E+01	8.22E-03
133XE	7.18E-04	3.00E-07	2.39E+03	3.21E-01
131XEM	1.60E-04	4.00E-07	4.00E+02	7.14E-02
85KR	2.56E-04	3.00E-07	8.53E+02	1.14E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 5.06E-01

ACTIVITY RELEASED RATE : CI/HR 4.67E-02 UCI/SEC 1.30E+01

PERCENT OF TECH. SPEC. LIMIT : 0.14 %

TABLE 2.2 (PAGE 19 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 721

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11 582 TIME 1752

RELEASE COMPLETION : DATE 11 682 TIME 420

RELEASE DURATION : HRS. 10.47 OR MIN. 628.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 55

TANK TEMPERATURE : DEG-F 65

AVERAGE RELEASE RATE : CFM 26.04

TOTAL VOLUME OF GAS RELEASED : SCC 4.63E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.139 TRITIUM 35.138

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.73E-06	2.00E-07	3.87E+01	3.58E-03
133XE	9.41E-05	3.00E-07	3.14E+02	4.36E-02
131XEM	2.01E-05	4.00E-07	5.03E+01	9.31E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 5.29E-02

ACTIVITY RELEASED RATE : CI/HR 5.39E-03 UCI/SEC 1.50E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 20 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 722

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 11 682 TIME 1142

RELEASE COMPLETION : DATE 11 682 TIME 2047

RELEASE DURATION : HRS. 9.08 OR MIN. 545.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 60

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 29.37

TOTAL VOLUME OF GAS RELEASED : SCC 4.53E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.140 TRITIUM 35.139

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.50E-05	2.00E-07	7.49E+01	6.79E-03
133XE	4.58E-04	3.00E-07	1.53E+03	2.08E-01
131XEM	1.16E-04	4.00E-07	2.90E+02	5.26E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.60E-01

ACTIVITY RELEASED RATE : CI/HR 2.94E-02 UCI/SEC 8.16E+00

PERCENT OF TECH. SPEC. LIMIT : 0.09 %

TABLE 2.2 (PAGE 21 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 723

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 11 782 TIME 300
 RELEASE COMPLETION : DATE 11 782 TIME 1326
 RELEASE DURATION : HRS. 10.43 OR MIN. 626.
 TANK PRESSURE [PSIG] : INITIAL 455 FINAL 60
 TANK TEMPERATURE : DEG-F 68
 AVERAGE RELEASE RATE : CFM 28.11
 TOTAL VOLUME OF GAS RELEASED : SCC 4.98E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATEGORY "G"
 RC-NUMBER : GRAB 34.141 TRITIUM 35.140

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.09E-05	2.00E-07	5.46E+01	5.45E-03
133XE	1.05E-04	3.00E-07	3.50E+02	5.23E-02
131XEM	2.20E-05	4.00E-07	5.50E+01	1.10E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 6.33E-02

ACTIVITY RELEASED RATE : CI/HR 6.59E-03 UCI/SEC 1.83E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 22 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 724

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11 782 TIME 1744

RELEASE COMPLETION : DATE 11 882 TIME 325

RELEASE DURATION : HRS. 9.68 OR MIN. 581.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 50

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 29.79

TOTAL VOLUME OF GAS RELEASED : SCC 4.90E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.142 TRITIUM 35.141

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.04E-05	2.00E-07	5.21E+01	5.11E-03
133XE	2.29E-04	3.00E-07	7.63E+02	1.12E-01
131XEM	5.88E-05	4.00E-07	1.47E+02	2.88E-02
135XE	4.14E-07	1.00E-07	4.14E+00	2.03E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.41E-01

ACTIVITY RELEASED RATE : CI/HR 1.51E-02 UCI/SEC 4.20E+00

PERCENT OF TECH. SPEC. LIMIT : 0.05 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 725

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11 882 TIME 1020

RELEASE COMPLETION : DATE 11 882 TIME 1855

RELEASE DURATION : HRS. 8.58 OR MIN. 515.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 80

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 30.10

TOTAL VOLUME OF GAS RELEASED : SCC 4.39E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.143 TRITIUM 35.142

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.29E-06	2.00E-07	4.64E+01	4.08E-03
133XE	6.22E-05	3.00E-07	2.07E+02	2.73E-02
131XEM	5.62E-06	4.00E-07	1.41E+01	2.47E-03
135XE	1.50E-06	1.00E-07	1.50E+01	6.58E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 3.04E-02

ACTIVITY RELEASED RATE : CI/HR 4.02E-03 UCI/SEC 1.12E+00

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 24 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 726

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 11 982 TIME 712
 RELEASE COMPLETION : DATE 11 982 TIME 1212
 RELEASE DURATION : HRS. 5.00 OR MIN. 300.
 TANK PRESSURE [PSIG] : INITIAL 455 FINAL 148
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 45.41
 TOTAL VOLUME OF GAS RELEASED : SCC 3.86E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.144 TRITIUM 35.143

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.15E-06	2.00E-07	4.07E+01	3.14E-03
133XE	1.45E-04	3.00E-07	4.83E+02	5.59E-02
131XEM	2.81E-05	4.00E-07	7.03E+01	1.08E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 6.68E-02

ACTIVITY RELEASED RATE : CI/HR 1.40E-02 UCI/SEC 3.88E+00
 PERCENT OF TECH. SPEC. LIMIT : 0.04 %

TABLE 2.2 (PAGE 25 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 727

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11 982 TIME 1740
 RELEASE COMPLETION : DATE 111082 TIME 305

RELEASE DURATION : HRS. 9.42 OR MIN. 565.

TANK PRESSURE [PSIG] : INITIAL 465 FINAL 60

TANK TEMPERATURE : DEG-F 63

AVERAGE RELEASE RATE : CFM 32.24

TOTAL VOLUME OF GAS RELEASED : SCC 5.16E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.145 TRITIUM 35.144

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.79E-06	2.00E-07	3.90E+01	4.02E-03
133XE	2.52E-05	3.00E-07	8.40E+01	1.30E-02
85KRM	3.42E-07	1.00E-07	3.42E+00	1.76E-04
135XE	2.08E-06	1.00E-07	2.08E+01	1.07E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.42E-02

ACTIVITY RELEASED RATE : CI/HR 1.94E-03 UCI/SEC 5.39E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 26 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 728

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 111082 TIME 912
 RELEASE COMPLETION : DATE 111082 TIME 1803
 RELEASE DURATION : HRS. 8.85 OR MIN. 531.
 TANK PRESSURE [PSIG] : INITIAL 450 FINAL 60
 TANK TEMPERATURE : DEG-F 68
 AVERAGE RELEASE RATE : CFM 32.72
 TOTAL VOLUME OF GAS RELEASED : SCC 4.92E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 29000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.146 TRITIUM 35.145

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.32E-06	2.00E-07	2.66E+01	2.62E-03
133XE	6.50E-05	3.00E-07	2.17E+02	3.20E-02
85KRM	1.06E-07	1.00E-07	1.06E+00	5.21E-05
131XEM	2.08E-05	4.00E-07	5.20E+01	1.02E-02
135XE	1.17E-06	1.00E-07	1.17E+01	5.76E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 4.28E-02

ACTIVITY RELEASED RATE : CI/HR 5.14E-03 UCI/SEC 1.43E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 27 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 729

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 111082 TIME 2304

RELEASE COMPLETION : DATE 111182 TIME 1200

RELEASE DURATION : HRS. 12.93 OR MIN. 776.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 40

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 22.39

TOTAL VOLUME OF GAS RELEASED : SCC 4.92E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.147 TRITIUM 35.146

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.15E-05	2.00E-07	5.75E+01	5.66E-03
133XE	7.18E-04	3.00E-07	2.39E+03	3.53E-01
85KRM	1.33E-06	1.00E-07	1.33E+01	6.54E-04
131XEM	2.20E-04	4.00E-07	5.50E+02	1.08E-01
133XEM	3.21E-06	3.00E-07	1.07E+01	1.58E-03
135XE	8.37E-06	1.00E-07	8.37E+01	4.12E-03
85KR	8.84E-04	3.00E-07	2.95E+03	4.35E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 9.03E-01

ACTIVITY RELEASED RATE : CI/HR 7.02E-02 UCI/SEC 1.95E+01

PERCENT OF TECH. SPEC. LIMIT : 0.21 %

TABLE 2.2 (PAGE 28 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 730

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 111182 TIME 2020

RELEASE COMPLETION : DATE 111282 TIME 920

RELEASE DURATION : HRS. 13.00 OR MIN. 780.

TANK PRESSURE [PSIG] : INITIAL 425 FINAL 20

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 23.09

TOTAL VOLUME OF GAS RELEASED : SCC 5.10E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100

EXHAUST FLOW RATE : ACFM 30500.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.148 TRITIUM 35.147

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.07E-05	2.00E-07	5.35E+01	5.46E-03
133XE	3.97E-05	3.00E-07	1.32E+02	2.02E-02
135XE	1.02E-06	1.00E-07	1.02E+01	5.20E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 2.08E-02

ACTIVITY RELEASED RATE : CI/HR 2.02E-03 UCI/SEC 5.60E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 29 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 731

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 111282 TIME 1846
 RELEASE COMPLETION : DATE 111382 TIME 910
 RELEASE DURATION : HRS. 14.40 OR MIN. 864.
 TANK PRESSURE [PSIG] : INITIAL 405 FINAL 30
 TANK TEMPERATURE : DEG-F 68
 AVERAGE RELEASE RATE : CFM 19.33
 TOTAL VOLUME OF GAS RELEASED : SCC 4.73E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 26500.
 STABILITY @ START OF RELEASE : CATAGORY "F"
 RC-NUMBER : GRAB 34.149 TRITIUM 35.148

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.62E-06	2.00E-07	4.31E+01	4.08E-03
133XE	1.09E-04	3.00E-07	3.63E+02	5.16E-02
131XEM	4.13E-05	4.00E-07	1.03E+02	1.95E-02
135XE	3.46E-06	1.00E-07	3.46E+01	1.64E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 7.27E-02

ACTIVITY RELEASED RATE : CI/HR 5.33E-03 UCI/SEC 1.48E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 30 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 732

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 111382 TIME 1947
 RELEASE COMPLETION : DATE 111482 TIME 950
 RELEASE DURATION : HRS. 14.05 OR MIN. 843.
 TANK PRESSURE [PSIG] : INITIAL 450 FINAL 20
 TANK TEMPERATURE : DEG-F 68
 AVERAGE RELEASE RATE : CFM 22.72
 TOTAL VOLUME OF GAS RELEASED : SCC 5.42E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 29000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.150 TRITIUM 35.149

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.00E-06	2.00E-07	2.00E+01	2.17E-03
133XE	8.71E-06	3.00E-07	2.90E+01	4.72E-03
135XE	1.29E-06	1.00E-07	1.29E+01	7.00E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 5.42E-03

ACTIVITY RELEASED RATE : CI/HR 5.40E-04 UCI/SEC 1.50E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 31 Of 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 733

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 111482 TIME 1805

RELEASE COMPLETION : DATE 111582 TIME 955

RELEASE DURATION : HRS. 15.83 OR MIN. 950.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 35

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 19.46

TOTAL VOLUME OF GAS RELEASED : SCC 5.23E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.151 TRITIUM 35.150

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.63E-06	2.00E-07	2.31E+01	2.42E-03
133XE	1.79E-04	3.00E-07	5.97E+02	9.37E-02
131XEM	2.04E-05	4.00E-07	5.10E+01	1.07E-02
133XEM	2.39E-06	3.00E-07	7.97E+00	1.25E-03
135XE	3.40E-06	1.00E-07	3.40E+01	1.78E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.07E-01

ACTIVITY RELEASED RATE : CI/HR 6.94E-03 UCI/SEC 1.93E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 32 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 734

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 111582 TIME 1753

RELEASE COMPLETION : DATE 111682 TIME 955

RELEASE DURATION : HRS. 16.03 OR MIN. 962.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 20

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 19.11

TOTAL VOLUME OF GAS RELEASED : SCC 5.21E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.152 TRITIUM 35.151

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.19E-06	2.00E-07	4.60E+01	4.78E-03
133XE	1.43E-05	3.00E-07	4.77E+01	7.44E-03
135XE	1.79E-06	1.00E-07	1.79E+01	9.32E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 8.37E-03

ACTIVITY RELEASED RATE : CI/HR 8.21E-04 UCI/SEC 2.28E-01

PERCENT OF TECH SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 33 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 735

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 111682 TIME 2150

RELEASE COMPLETION : DATE 111782 TIME 920

RELEASE DURATION : HRS. 11.50 OR MIN. 690.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 60

TANK TEMPERATURE : DEG-F 66

AVERAGE RELEASE RATE : CFM 23.33

TOTAL VOLUME OF GAS RELEASED : SCC 4.56E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 30500.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.153 TRITIUM 35.152

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.53E-06	2.00E-07	2.77E+01	2.52E-03
133XE	2.09E-05	3.00E-07	6.97E+01	9.53E-03
135XE	2.50E-06	1.00E-07	2.50E+01	1.14E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.07E-02

ACTIVITY RELEASED RATE : CI/HR 1.15E-03 UCI/SEC 3.19E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 34 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 736

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 111782 TIME 1935

RELEASE COMPLETION : DATE 111882 TIME 910

RELEASE DURATION : HRS. 13.58 OR MIN. 815.

TANK PRESSURE [PSIG] : INITIAL 375 FINAL 32

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 18.68

TOTAL VOLUME OF GAS RELEASED : SCC 4.31E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.154 TRITIUM 35.153

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.94E-06	2.00E-07	3.97E+01	3.42E-03
133XE	9.83E-06	3.00E-07	3.28E+01	4.24E-03
135XE	1.84E-06	1.00E-07	1.84E+01	7.93E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 5.03E-03

ACTIVITY RELEASED RATE : CI/HR 6.22E-04 UCI/SEC 1.73E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 35 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 737

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 111882 TIME 1830
 RELEASE COMPLETION : DATE 111982 TIME 1216

RELEASE DURATION : HRS. 17.77 OR MIN. 1066.

TANK PRESSURE [PSIG] : INITIAL 460 FINAL 00

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 17.48

TOTAL VOLUME OF GAS RELEASED : SCC 5.28E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "C"

RC-NUMBER : GRAB 34.155 TRITIUM 35.154

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.74E-06	2.00E-07	2.87E+01	3.03E-03
133XE	8.18E-05	3.00E-07	2.73E+02	4.32E-02
135XE	1.78E-06	1.00E-07	1.78E+01	9.39E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 4.41E-02

ACTIVITY RELEASED RATE : CI/HR 2.65E-03 UCI/SEC 7.37E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 36 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 738

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 111982 TIME 1855
 RELEASE COMPLETION : DATE 112082 TIME 655

RELEASE DURATION : HRS. 12.00 OR MIN. 720.

TANK PRESSURE [PSIG] : INITIAL 405 FINAL 50

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 21.88

TOTAL VOLUME OF GAS RELEASED : SCC 4.46E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.156 TRITIUM 35.155

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.82E-06	2.00E-07	2.41E+01	2.15E-03
133XE	5.47E-05	3.00E-07	1.82E+02	2.44E-02
135XE	2.49E-06	1.00E-07	2.49E+01	1.11E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 2.55E-02

ACTIVITY RELEASED RATE : CI/HR 2.31E-03 UCI/SEC 6.40E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 37 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 739

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 112082 TIME 1822

RELEASE COMPLETION : DATE 112182 TIME 933

RELEASE DURATION : HRS. 15.18 OR MIN. 911.

TANK PRESSURE [PSIG] : INITIAL 340 FINAL 45

TANK TEMPERATURE : DEG-F 64

AVERAGE RELEASE RATE : CFM 14.53

TOTAL VOLUME OF GAS RELEASED : SCC 3.75E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATEGORY "F"

RC-NUMBER : GRAB 34.157 TRITIUM 35.156

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
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TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.79E-04 UCI/SEC 4.97E-02

PERCENT OF TECH SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 38 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 740

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 112182 TIME 1628
 RELEASE COMPLETION : DATE 112282 TIME 515
 RELEASE DURATION : HRS. 12.78 OR MIN. 767.
 TANK PRESSURE [PSIG] : INITIAL 440 FINAL 50
 TANK TEMPERATURE : DEG-F 58
 AVERAGE RELEASE RATE : CFM 23.09
 TOTAL VOLUME OF GAS RELEASED : SCC 5.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.158 TRITIUM 35.157

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.53E-06	2.00E-07	2.26E+01	2.27E-03
133XE	3.45E-05	3.00E-07	1.15E+02	1.73E-02
135XE	1.62E-06	1.00E-07	1.62E+01	8.12E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.81E-02

ACTIVITY RELEASED RATE : CI/HR 1.59E-03 UCI/SEC 4.43E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 39 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 741

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 112282 TIME 1730

RELEASE COMPLETION : DATE 112382 TIME 755

RELEASE DURATION : HRS. 14.42 OR MIN. 865.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 52

TANK TEMPERATURE : DEG-F 62

AVERAGE RELEASE RATE : CFM 20.73

TOTAL VOLUME OF GAS RELEASED : SCC 5.08E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.159 TRITIUM 35.158

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.23E-06	2.00E-07	2.61E+01	2.66E-03
133XE	4.25E-05	3.00E-07	1.42E+02	2.16E-02
135XE	1.95E-06	1.00E-07	1.95E+01	9.90E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 2.26E-02

ACTIVITY RELEASED RATE : CI/HR 1.75E-03 UCI/SEC 4.86E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 40 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 742

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 112382 TIME 1910

RELEASE COMPLETION : DATE 112482 TIME 1218

RELEASE DURATION : HRS. 17.13 OR MIN. 1028.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 19

TANK TEMPERATURE : DEG-F 65

AVERAGE RELEASE RATE : CFM 17.48

TOTAL VOLUME OF GAS RELEASED : SCC 5.09E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.160 TRITIUM 35.159

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.61E-06	2.00E-07	2.30E+01	2.35E-03
133XE	9.00E-05	3.00E-07	3.00E+02	4.58E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.58E-02

ACTIVITY RELEASED RATE : CI/HR 2.81E-03 UCI/SEC 7.80E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 41 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 743

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 112482 TIME 1910
 RELEASE COMPLETION : DATE 112582 TIME 1355
 RELEASE DURATION : HRS. 18.75 OR MIN. 1125.
 TANK PRESSURE [PSIG] : INITIAL 430 FINAL 28
 TANK TEMPERATURE : DEG-F 65
 AVERAGE RELEASE RATE : CFM 16.01
 TOTAL VOLUME OF GAS RELEASED : SCC 5.10E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.161 TRITIUM 35.160

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.54E-06	2.00E-07	2.27E+01	2.32E-03
133XE	2.72E-05	3.00E-07	9.07E+01	1.39E-02
135XE	3.69E-06	1.00E-07	3.69E+01	1.88E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.58E-02

ACTIVITY RELEASED RATE : CI/HR 9.64E-04 UCI/SEC 2.68E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 42 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 744

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 112682 TIME 1106

RELEASE COMPLETION : DATE 112682 TIME 1913

RELEASE DURATION : HRS. 8.15 OR MIN. 489.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 105

TANK TEMPERATURE : DEG-F 67

AVERAGE RELEASE RATE : CFM 30.58

TOTAL VOLUME OF GAS RELEASED : SCC 4.23E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.162 TRITIUM 35.161

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.02E-06	2.00E-07	1.51E+01	1.28E-03
133XE	1.83E-04	3.00E-07	6.10E+02	7.75E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 7.75E-02

ACTIVITY RELEASED RATE : CI/HR 9.66E-03 UCI/SEC 2.68E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 43 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 745

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 112682 TIME 2315

RELEASE COMPLETION : DATE 112782 TIME 1500

RELEASE DURATION : HRS. 15.75 OR MIN. 945.

TANK PRESSURE [PSIG] : INITIAL 470 FINAL 60

TANK TEMPERATURE : DEG-F 55

AVERAGE RELEASE RATE : CFM 19.81

TOTAL VOLUME OF GAS RELEASED : SCC 5.30E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.163 TRITIUM 35.162

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.08E-06	2.00E-07	4.54E+01	4.81E-03
133XE	8.16E-05	3.00E-07	2.72E+02	4.33E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.33E-02

ACTIVITY RELEASED RATE : CI/HR 3.05E-03 UCI/SEC 8.48E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 44 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 746

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 112782 TIME 2230

RELEASE COMPLETION : DATE 112882 TIME 1153

RELEASE DURATION : HRS. 13.38 OR MIN. 803.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 70

TANK TEMPERATURE : DEG-F 73

AVERAGE RELEASE RATE : CFM 20.88

TOTAL VOLUME OF GAS RELEASED : SCC 4.75E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.164 TRITIUM 35.163

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.32E-06	2.00E-07	2.66E+01	2.53E-03
133XE	2.53E-04	3.00E-07	8.43E+02	1.20E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 1.20E-01

ACTIVITY RELEASED RATE : CI/HR 9.16E-03 UCI/5 C 2.55E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 45 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 747

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 112882 TIME 1735

RELEASE COMPLETION : DATE 112982 TIME 957

RELEASE DURATION : HRS. 16.37 OR MIN. 982.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 65

TANK TEMPERATURE : DEG-F 65

AVERAGE RELEASE RATE : CFM 16.88

TOTAL VOLUME OF GAS RELEASED : SCC 4.69E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATEGORY "G"

RC-NUMBER : GRAB 34.165 TRITIUM 35.164

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.57E-06	2.00E-07	2.79E+01	2.61E-03
133XE	2.85E-05	3.00E-07	9.50E+01	1.34E-02
135XE	7.58E-07	1.00E-07	7.58E+00	3.56E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.37E-02

ACTIVITY RELEASED RATE : CI/HR 9.99E-04 UCI/SEC 2.77E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 46 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 748

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 112982 TIME 512
 RELEASE COMPLETION : DATE 113082 TIME 611
 RELEASE DURATION : HRS. 24.98 OR MIN. 1499.
 TANK PRESSURE [PSIG] : INITIAL 440 FINAL 70
 TANK TEMPERATURE : DEG-F 68
 AVERAGE RELEASE RATE : CFM 11.00
 TOTAL VOLUME OF GAS RELEASED : SCC 4.67E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 28000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.166 TRITIUM 35.165

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.13E-06	2.00E-07	4.07E+01	3.80E-03
133XE	4.01E-05	3.00E-07	1.34E+02	1.87E-02
135XE	5.60E-07	1.00E-07	5.60E+00	2.61E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.90E-02

ACTIVITY RELEASED RATE : CI/HR 9.11E-04 UCI/SEC 2.53E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 47 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 749

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 113082 TIME 1201
 RELEASE COMPLETION : DATE 12 182 TIME 405

RELEASE DURATION : HRS. 16.07 OR MIN. 964.

TANK PRESSURE [PSIG] : INITIAL 465 FINAL 55

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 18.87

TOTAL VOLUME OF GAS RELEASED : SCC 5.15E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.167 TRITIUM 35.166

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.73E-06	2.00E-07	1.86E+01	1.92E-03
133XE	8.07E-06	3.00E-07	2.69E+01	4.16E-03
135XE	1.16E-06	1.00E-07	1.16E+01	5.98E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 4.76E-03

ACTIVITY RELEASED RATE : CI/HR 4.16E-04 UCI/SEC 1.15E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 48 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 750

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 12 182 TIME 1313
 RELEASE COMPLETION : DATE 12 282 TIME 202

RELEASE DURATION : HRS. 12.82 OR MIN. 769.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 65

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 22.30

TOTAL VOLUME OF GAS RELEASED : SCC 4.86E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.168 TRITIUM 35.167

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.45E-06	2.00E-07	1.72E+01	1.67E-03
133XE	2.13E-05	3.00E-07	7.10E+01	1.03E-02
135XE	6.48E-07	1.00E-07	6.48E+00	3.15E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.07E-02

ACTIVITY RELEASED RATE : CI/HR 9.62E-04 UCI/SEC 2.67E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 49 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 751

RELEASE MADE FROM	:	TANK	T-6303		
RELEASE START	:	DATE	12 282	TIME	1021
RELEASE COMPLETION	:	DATE	12 382	TIME	527
RELEASE DURATION	:	HRS.	19.10	OR	MIN. 1146.
TANK PRESSURE [PSIG]	:	INITIAL	470	FINAL	52
TANK TEMPERATURE	:	DEG-F	63		
AVERAGE RELEASE RATE	:	CFM	16.40		
TOTAL VOLUME OF GAS RELEASED	:	SCC	5.32E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	91		
EXHAUST FLOW RATE	:	ACFM	29000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"E"		
RC-NUMBER	:	GRAB	34.169	TRITIUM	35.168

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.42E-06	2.00E-07	3.71E+01	3.95E-03
133XE	1.79E-05	3.00E-07	5.97E+01	9.53E-03
135XE	1.77E-06	1.00E-07	1.77E+01	9.42E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.05E-02

ACTIVITY RELEASED RATE	:	CI/HR	7.55E-04	UCI/SEC	2.10E-01
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PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 50 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 752

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 12 382 TIME 1100
 RELEASE COMPLETION : DATE 12 482 TIME 207
 RELEASE DURATION : HRS. 15.12 OR MIN. 907.
 TANK PRESSURE [PSIG] : INITIAL 455 FINAL 50
 TANK TEMPERATURE : DEG-F 66
 AVERAGE RELEASE RATE : CFM 19.97
 TOTAL VOLUME OF GAS RELEASED : SCC 5.13E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 28500.
 STABILITY @ START OF RELEASE : CATAGORY "D"
 RC-NUMBER : GRAB 34.170 TRITIUM 35.169

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.65E-05	2.00E-07	8.25E+01	8.46E-03
133XE	8.72E-06	3.00E-07	2.91E+01	4.47E-03
135XE	5.75E-07	1.00E-07	5.75E+00	2.95E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 4.77E-03

ACTIVITY RELEASED RATE : CI/HR 8.75E-04 UCI/SEC 2.43E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 51 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 753

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12 482 TIME 935

RELEASE COMPLETION : DATE 12 582 TIME 235

RELEASE DURATION : HRS. 17.00 OR MIN. 1020.

TANK PRESSURE [PSIG] : INITIAL 400 FINAL 50

TANK TEMPERATURE : DEG-F 50

AVERAGE RELEASE RATE : CFM 15.82

TOTAL VOLUME OF GAS RELEASED : SCC 4.57E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.171 TRITIUM 35.170

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.24E-06	2.00E-07	2.62E+01	2.40E-03
133XE	6.98E-06	3.00E-07	2.33E+01	3.19E-03
135XE	1.62E-06	1.00E-07	1.62E+01	7.40E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 3.93E-03

ACTIVITY RELEASED RATE : CI/HR 3.72E-04 UCI/SEC 1.03E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 52 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 754

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 12 582 TIME 1138

RELEASE COMPLETION : DATE 12 682 TIME 350

RELEASE DURATION : HRS. 16.20 OR MIN. 972.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 50

TANK TEMPERATURE : DEG-F 58

AVERAGE RELEASE RATE : CFM 17.75

TOTAL VOLUME OF GAS RELEASED : SCC 4.89E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.172 TRITIUM 35.171

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.22E-06	2.00E-07	2.11E+01	2.06E-03
133XE	6.44E-05	3.00E-07	2.15E+02	3.15E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 3.15E-02

ACTIVITY RELEASED RATE : CI/HR 2.07E-03 UCI/SEC 5.75E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 53 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 755

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12 682 TIME 1645

RELEASE COMPLETION : DATE 12 782 TIME 722

RELEASE DURATION : HRS. 14.62 OR MIN. 877.

TANK PRESSURE [PSIG] : INITIAL 415 FINAL 100

TANK TEMPERATURE : DEG-F 63

AVERAGE RELEASE RATE : CFM 16.15

TOTAL VOLUME OF GAS RELEASED : SCC 4.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.173 TRITIUM 35.172

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.34E-06	2.00E-07	2.17E+01	1.74E-03
133XE	5.09E-05	3.00E-07	1.70E+02	2.04E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.04E-02

ACTIVITY RELEASED RATE : CI/HR 1.52E-03 UCI/SEC 4.21E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 54 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 756

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 12 782 TIME 1655
 RELEASE COMPLETION : DATE 12 882 TIME 330
 RELEASE DURATION : HRS. 10.58 OR MIN. 635.
 TANK PRESSURE [PSIG] : INITIAL 430 FINAL 95
 TANK TEMPERATURE : DEG-F 64
 AVERAGE RELEASE RATE : CFM 23.68
 TOTAL VOLUME OF GAS RELEASED : SCC 4.26E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 29000.
 STABILITY @ START OF RELEASE : CATAGORY "A"
 RC-NUMBER : GRAB 34.174 TRITIUM 35.173

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.37E-06	2.00E-07	2.18E+01	1.86E-03
133XE	1.06E-04	3.00E-07	3.53E+02	4.51E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.51E-02

ACTIVITY RELEASED RATE : CI/HR 4.44E-03 UCI/SEC 1.23E+00

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 55 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 757

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12 882 TIME 950

RELEASE COMPLETION : DATE 12 982 TIME 120

RELEASE DURATION : HRS. 15.50 OR MIN. 930.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 75

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 17.42

TOTAL VOLUME OF GAS RELEASED : SCC 4.59E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.175 TRITIUM 35.174

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.70E-06	2.00E-07	1.85E+01	1.70E-03
133XE	6.26E-05	3.00E-07	2.09E+02	2.87E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.87E-02

ACTIVITY RELEASED RATE : CI/HR 1.96E-03 UCI/SEC 5.45E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 56 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 758

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 12 982 TIME 747
 RELEASE COMPLETION : DATE 121082 TIME 10
 RELEASE DURATION : HRS. 16.38 OR MIN. 983.
 TANK PRESSURE [PSIG] : INITIAL 450 FINAL 55
 TANK TEMPERATURE : DEG-F 55
 AVERAGE RELEASE RATE : CFM 18.35
 TOTAL VOLUME OF GAS RELEASED : SCC 5.11E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 28000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.176 TRITIUM 35.175

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.70E-06	2.00E-07	2.35E+01	2.40E-03
133XE	5.63E-05	3.00E-07	1.88E+02	2.88E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.88E-02

ACTIVITY RELEASED RATE : CI/HR 1.90E-03 UCI/SEC 5.28E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 57 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 759

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 121082 TIME 545
 RELEASE COMPLETION : DATE 121182 TIME 445
 RELEASE DURATION : HRS. 23.00 OR MIN. 1380.
 TANK PRESSURE [PSIG] : INITIAL 465 FINAL 50
 TANK TEMPERATURE : DEG-F 60
 AVERAGE RELEASE RATE : CFM 13.60
 TOTAL VOLUME OF GAS RELEASED : SCC 5.32E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 29000.
 STABILITY @ START OF RELEASE : CATAGORY "A"
 RC-NUMBER : GRAB 34.177 TRITIUM 35.176

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.19E-06	2.00E-07	1.09E+01	1.16E-03
133XE	4.97E-05	3.00E-07	1.66E+02	2.64E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.64E-02

ACTIVITY RELEASED RATE : CI/HR 1.20E-03 UCI/SEC 3.33E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 58 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 760

RELEASE MADE FROM	:	TANK	T-6304		
RELEASE START	:	DATE	121182	TIME	1722
RELEASE COMPLETION	:	DATE	121282	TIME	1200
RELEASE DURATION	:	HRS.	18.63	OR	MIN. 1118.
TANK PRESSURE [PSIG]	:	INITIAL	410	FINAL	40
TANK TEMPERATURE	:	DEG-F	64		
AVERAGE RELEASE RATE	:	CFM	14.85		
TOTAL VOLUME OF GAS RELEASED	:	SCC	4.70E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	90		
EXHAUST FLOW RATE	:	ACFM	30000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"D"		
RC-NUMBER	:	GRAB	34.178	TRITIUM	35.177

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.13E-06	2.00E-07	2.57E+01	2.41E-03
133XE	4.19E-05	3.00E-07	1.40E+02	1.97E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.97E-02

ACTIVITY RELEASED RATE	:	CI/HR	1.19E-03	UCI/SEC	3.30E-01
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PERCENT OF TECH. SPEC. LIMIT	:	> 0.01 %
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TABLE 2.2 (PAGE 59 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 761

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 122382 TIME 2100

RELEASE COMPLETION : DATE 122482 TIME 1630

RELEASE DURATION : HRS. 19.50 OR MIN. 1170.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 50

TANK TEMPERATURE : DEG-F 65

AVERAGE RELEASE RATE : CFM 14.17

TOTAL VOLUME OF GAS RELEASED : SCC 4.69E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.179 TRITIUM 35.178

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.19E-06	2.00E-07	2.09E+01	1.97E-03
133XE	7.26E-06	3.00E-07	2.42E+01	3.41E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 3.41E-03

ACTIVITY RELEASED RATE : CI/HR 2.76E-04 UCI/SEC 7.65E-02

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 60 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 762

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 122582 TIME 1835
 RELEASE COMPLETION : DATE 122682 TIME 315

RELEASE DURATION : HRS. 8.67 OR MIN. 520.

TANK PRESSURE [PSIG] : INITIAL 460 FINAL 110

TANK TEMPERATURE : DEG-F 60

AVERAGE RELEASE RATE : CFM 30.44

TOTAL VOLUME OF GAS RELEASED : SCC 4.48E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.180 TRITIUM 35.179

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.99E-06	2.00E-07	1.49E+01	1.34E-03
133XE	3.67E-06	3.00E-07	1.22E+01	1.65E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.65E-03

ACTIVITY RELEASED RATE : CI/HR 3.44E-04 UCI/SEC 9.57E-02

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 61 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 763

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 122682 TIME 1234

RELEASE COMPLETION : DATE 122682 TIME 2205

RELEASE DURATION : HRS. 9.52 OR MIN. 571.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 95

TANK TEMPERATURE : DEG-F 59

AVERAGE RELEASE RATE : CFM 27.38

TOTAL VOLUME OF GAS RELEASED : SCC 4.43E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.181 TRITIUM 35.180

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.58E-04	2.00E-07	1.79E+03	1.58E-01
133XE	6.92E-05	3.00E-07	2.31E+02	3.06E-02
135XE	4.35E-07	1.00E-07	4.35E+00	1.93E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 3.08E-02

ACTIVITY RELEASED RATE : CI/HR 1.99E-02 UCI/SEC 5.53E+00

PERCENT OF TECH. SPEC. LIMIT : 0.09 %

TABLE 2.2 (PAGE 62 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 764

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 122782 TIME 335

RELEASE COMPLETION : DATE 122782 TIME 1300

RELEASE DURATION : HRS. 9.42 OR MIN. 565.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 70

TANK TEMPERATURE : DEG-F 67

AVERAGE RELEASE RATE : CFM 29.23

TOTAL VOLUME OF GAS RELEASED : SCC 4.68E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.182 TRITIUM 35.181

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.44E-06	2.00E-07	2.22E+01	2.08E-03
133XE	6.35E-06	3.00E-07	2.12E+01	2.97E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 2.97E-03

ACTIVITY RELEASED RATE : CI/HR 5.36E-04 UCI/SEC 1.49E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 63 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 765

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 122782 TIME 1810

RELEASE COMPLETION : DATE 122882 TIME 708

RELEASE DURATION : HRS. 12.97 OR MIN. 778.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 50

TANK TEMPERATURE : DEG-F 62

AVERAGE RELEASE RATE : CFM 22.59

TOTAL VOLUME OF GAS RELEASED : SCC 4.98E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92

EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.183 TRITIUM 35.182

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.92E-06	2.00E-07	2.96E+01	2.95E-03
133XE	8.14E-05	3.00E-07	2.71E+02	4.05E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.05E-02

ACTIVITY RELEASED RATE : CI/HR 3.35E-03 UCI/SEC 9.31E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

GAS WASTE SUMMARY FOR RELEASE NUMBER : 766

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 122882 TIME 2030
 RELEASE COMPLETION : DATE 122982 TIME 755

RELEASE DURATION : HRS. 11.42 OR MIN. 685.

TANK PRESSURE [PSIG] : INITIAL 470 FINAL 50

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 27.11

TOTAL VOLUME OF GAS RELEASED : SCC 5.26E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 92
 EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.184 TRITIUM 35.183

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.80E-06	2.00E-07	2.40E+01	2.52E-03
133XE	5.91E-06	3.00E-07	1.97E+01	3.11E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 3.11E-03

ACTIVITY RELEASED RATE : CI/HR 4.93E-04 UCI/SEC 1.37E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 65 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 767

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 122982 TIME 1934

RELEASE COMPLETION : DATE 123082 TIME 55

RELEASE DURATION : HRS. 5.35 OR MIN. 321.

TANK PRESSURE [PSIG] : INITIAL 335 FINAL 130

TANK TEMPERATURE : DEG-F 88

AVERAGE RELEASE RATE : CFM 27.41

TOTAL VOLUME OF GAS RELEASED : SCC 2.49E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 71

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATEGORY "G"

RC-NUMBER : GRAB 34.185 TRITIUM 35.184

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.57E-06	2.00E-07	3.29E+01	1.64E-03
133XE	6.67E-05	3.00E-07	2.22E+02	1.66E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.66E-02

ACTIVITY RELEASED RATE : CI/HR 3.41E-03 UCI/SEC 9.48E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 66 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 768

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 123082 TIME 330

RELEASE COMPLETION : DATE 123082 TIME 1030

RELEASE DURATION : HRS. 7.00 OR MIN. 420.

TANK PRESSURE [PSIG] : INITIAL 395 FINAL 80

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 33.28

TOTAL VOLUME OF GAS RELEASED : SCC 3.96E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 87

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.186 TRITIUM 35.185

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.69E-06	2.00E-07	3.34E+01	2.65E-03
133XE	4.61E-06	3.00E-07	1.54E+01	1.82E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.82E-03

ACTIVITY RELEASED RATE : CI/HR 6.39E-04 UCI/SEC 1.77E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 67 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 769

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 123082 TIME 2108
 RELEASE COMPLETION : DATE 123182 TIME 943
 RELEASE DURATION : HRS. 12.58 OR MIN. 755
 TANK PRESSURE [PSIG] : INITIAL 470 FINAL 50
 TANK TEMPERATURE : DEG-F 61
 AVERAGE RELEASE RATE : CFM 25.11
 TOTAL VOLUME OF GAS RELEASED : SCC 5.37E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 27000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.187 TRITIUM 35.186

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.40E-06	2.00E-07	1.20E+01	1.29E-03
133XE	5.58E-05	3.00E-07	1.86E+02	3.00E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 3.00E-02

ACTIVITY RELEASED RATE : CI/HR 2.48E-03 UCI/SEC 6.90E-01

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

TABLE 2.2 (PAGE 68 OF 68)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 770

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 123182 TIME 1901
 RELEASE COMPLETION : DATE 1 183 TIME 640
 RELEASE DURATION : HRS. 11.65 OR MIN. 699.
 TANK PRESSURE [PSIG] : INITIAL 360 FINAL 42
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 20.19
 TOTAL VOLUME OF GAS RELEASED : SCC 4.00E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 27000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.188 TRITIUM 35.187

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.95E-06	2.00E-07	1.98E+01	1.58E-03
133XE	3.51E-06	3.00E-07	1.17E+01	1.40E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.40E-03

ACTIVITY RELEASED RATE : CI/HR 2.56E-04 UCI/SEC 7.11E-02

PERCENT OF TECH. SPEC. LIMIT : > 0.01 %

SYSTEM	BETA/GAMMA	ALPHA	TRITIUM	
FARM POND				
	2.94E-08	6.01E-08	1.40E-04	MAXIMUM
	9.66E-09	4.98E-08	7.27E-06	MINIMUM
	1.67E-08 (13)	5.47E-08 (13)	3.80E-05 (13)	AVERAGE
REACTOR BLDG. SUMP				
	3.49E-08	7.43E-07	2.71E-02	MAXIMUM
	9.66E-09	4.98E-08	4.94E-05	MINIMUM
	1.52E-08(109)	7.89E-08(109)	1.91E-03(109)	AVERAGE
TURBINE BLDG. SUMP				
	2.49E-08	9.41E-08	2.33E-04	MAXIMUM
	9.59E-09	4.98E-08	3.25E-06	MINIMUM
	1.40E-08 (42)	5.94E-08 (42)	3.66E-05 (42)	AVERAGE
COOLING TOWER B/D-DURING				
	2.98E-08	9.45E-08	2.18E-03	MAXIMUM
	9.59E-09	4.70E-08	6.25E-07	MINIMUM
	1.75E-08 (37)	5.72E-08 (37)	7.7E-04 (37)	AVERAGE
COOLING TOWER B/D-AFTER				
	2.97E-08	7.32E-08	4.74E-05	MAXIMUM
	9.70E-09	4.98E-08	6.25E-07	MINIMUM
	1.63E-08 (38)	5.60E-08 (38)	5.94E-06 (38)	AVERAGE
COOLING TOWER B/D-WEEKLY				
	3.98E-08	7.96E-08	2.68E-05	MAXIMUM
	9.85E-09	4.99E-08	6.32E-07	MINIMUM
	1.94E-08 (13)	5.89E-08 (13)	4.50E-06 (13)	AVERAGE
SYSTEM 21, LOOP 1				
	1.38E-08	6.01E-08	2.01E-03	MAXIMUM
	9.70E-09	5.40E-08	2.85E-05	MINIMUM
	1.13E-08 (5)	5.75E-08 (5)	5.68E-04 (5)	AVERAGE
SYSTEM 21, Loop 2				
	1.38E-08	6.89E-08	1.38E-02	MAXIMUM
	9.61E-09	4.98E-08	3.01E-05	MINIMUM
	1.21E-08 (5)	5.82E-08 (5)	2.92E-03 (5)	AVERAGE
SYSTEM 31				
	2.19E-08	5.81E-08	8.50E-05	MAXIMUM
	9.85E-09	5.18E-08	1.65E-05	MINIMUM
	1.69E-08 (9)	5.55E-08 (9)	3.61E-05 (9)	AVERAGE

- NOTES: 1. All activities expressed in units of UCI/ML
2. () Represents the number of samples represented by the average value.

SYSTEM	BETA/GAMMA	ALPHA	TRITIUM	
SYSTEM 41				
	2.48E-08	5.82E-08	8.44E-07	MAXIMUM
	1.68E-08	5.58E-08	6.10E-07	MINIMUM
	2.21E-08 (3)	5.67E-08 (3)	7.06E-07 (3)	AVERAGE
SYSTEM 42				
	1.98E-08	5.82E-08	6.65E-07	MAXIMUM
	1.38E-08	5.58E-08	6.10E-07	MINIMUM
	1.68E-08 (3)	5.74E-08 (3)	6.42E-07 (3)	AVERAGE
SYSTEM 46, LOOP 1				
	2.47E-08	8.70E-08	1.66E-04	MAXIMUM
	9.66E-09	5.01E-08	1.03E-04	MINIMUM
	1.38E-08 (24)	5.82E-08 (24)	1.45E-04 (24)	AVERAGE
SYSTEM 46, LOOP 2				
	1.98E-08	7.62E-08	1.58E-04	MAXIMUM
	9.61E-09	4.75E-08	1.31E-04	MINIMUM
	1.37E-08 (23)	5.75E-08 (23)	1.41E-04 (23)	AVERAGE
SYSTEM 47, LOOP 1				
	1.38E-08	8.34E-08	4.55E-03	MAXIMUM
	9.59E-09	5.21E-08	2.46E-04	MINIMUM
	1.10E-08 (6)	6.40E-08 (6)	3.04E-03 (6)	AVERAGE
SYSTEM 47, LOOP 2				
	1.68E-08	6.01E-08	3.02E-03	MAXIMUM
	9.61E-09	4.98E-08	8.19E-05	MINIMUM
	1.36E-08 (8)	5.51E-08 (8)	1.78E-03 (8)	AVERAGE

- NOTES: 1. All activities expressed in units of UCI/ML
 2. () Represents the number of samples represented by the average value.

TABLE 4.1 - SOLID WASTE (LOW LEVEL) FOR 1982

		UNITS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1.	Total Volume of Titanium From Hydrogen Getter Shipped	ft ³	0	0	0	0	0	0	0
2.	Curies of Tritium Item 1	Ci	0	0	0	0	0	0	0
3.	Total Volume of Wastes (Not Getters) Shipped For Offsite Disposal	ft ³	0	0	0	0	0	0	0
4.	Curies Involved in Item 3	ft ³	0	0	0	0	0	0	0
5.	Description	Shipping Date	Ci						
6.	Total Curies Involved In Offsite Shipments	Ci	0	0	0	0	0	0	0

NOTE: 1.5E+09 means $1.5 \times 10^{+9}$.

Similarly, 2.7E-07 means 2.7×10^{-7} .