

SEMI-ANNUAL RADIOACTIVE EFFLUENT
RELEASE REPORT

January - June

1984

Public Service Company

Fort St. Vrain
Nuclear Generating Station

August 1984

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1.0 Summary

This report summarizes the radiological effluent released from the Fort St. Vrain Nuclear Generating Station for the period January through June, 1984. In addition, Table 3.1 provides a general summary of the plant systems under radiological surveillance, and Table 4.1 summarizes the solid radioactive waste removed from the site during the aforementioned time period. This information is provided pursuant to the requirements of Section 7.5.1e of the Fort St. Vrain Technical Specifications.

Tritium was the radionuclide of principal interest released via the liquid pathway during the first half of 1984. Approximately 6.5 curies were released to the unrestricted area via batch and continuous releases. This tritium resulted primarily from removal of moisture from the Primary Coolant System.

Xenon 133 was the predominant radioisotope released from the station via the gaseous pathway, with approximately 19 curies being discharged.

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

Based on the fact that Amendment 37 to the Fort St. Vrain Technical Specifications was implemented effective January 1, 1984, as was the Offsite Dose Calculation Manual, doses from primary effluent pathways for calendar year 1983 are not included in this report. It is our interpretation of the requirements of Section 7.5.1e that the report for the first half of 1985 will be the first report to include doses for the previous calendar year (i.e. 1984). It should be noted that the maximum total dose for the first six months of 1984 is calculated to be approximately $8.0E-02$ mrem, which is well below the 25 mrem limit contained in 40 CFR Part 190.

There were no unplanned gaseous or liquid radioactive releases from the site to the unrestricted area during this reporting period.

There were no changes made during the reporting period to the Process Control Program (PCP). There were 4 reissues of the Offsite Dose Calculation Manual (ODCM) during the reporting period. These changes consisted of refinements to the procedure to better describe the method of determining alarm setpoints for gaseous and liquid radioactivity monitors; including releases from the Reactor Building and Turbine Building Sumps in the dose calculations; and correcting errors in the dose factors utilized in the equations. The changes reflected experience gained in implementing a new methodology and procedure, and it is anticipated that the changes made in subsequent reporting periods will be less numerous. The Document Coordination and Concurrence Forms (DCCF's) supporting these changes are available for review by the NRC at the Station. The locations for dose calculations and environmental monitoring remained unchanged during this reporting period.

There were no licensee-initiated major changes to the radioactive waste systems during the reporting period.

TABLE 1.1 - RADIOACTIVE LIQUID EFFLUENT RELEASES FOR 1st QUARTER, 1984

	UNITS	JAN	FEB	MAR	QUARTERLY TOTAL
1. Gross Beta Radioactivity					
a) Total Release	Curies	1.49E-05	6.87E-05	2.69E-04	3.53E-04
b) Avg. Conc. before Dilution	μCi/ml	3.28E-07	8.20E-07	2.81E-06	1.63E-06 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	9.92E-10	3.67E-09	6.70E-09	4.56E-09 *
2. Tritium					
a) Total Release	Curies	6.46E-00	2.70E+00	1.95E+01	2.87E+01
b) Avg. Conc. before Dilution	μCi/ml	1.43E-01	3.09E-02	1.99E-01	1.28E-01 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	4.63E-04	1.00E-04	4.43E-04	3.22E-04 *
3. Dissolved Noble Gases					
a) Total Release	Curies	1.36E-05	1.08E-06	NSA	1.47E-05
b) Avg. Conc. before Dilution	μCi/ml	4.31E-07	1.50E-07	NSA	3.75E-07 *
Avg Conc. Released	μCi/ml				
c) after Dilution	above bkgd	1.31E-09	4.67E-10	NSA	1.14E-09 *
4. Gross Alpha Radioactivity					
a) Total Release	Curies	8.92E-07	3.38E-06	4.97E-06	9.24E-06
5. Total Volume of Liquid Released before Dilution					
	Liters	4.58E+04	8.57E+04	1.01E+05	2.33E+05
6. Total Volume of Liquid Used for Dilution					
	Liters	1.41E+07	2.32E+07	3.71E+07	7.44E+07
7. Estimated Total Radioactivity Released by Radioisotope above Background					
Nuclide	MPCw(μCi/ml)	Curies			
3H	3.0E-03		6.46E+00	2.70E+00	1.95E+01
133Xe	2.0E-04		1.36E-05	1.08E-06	NSA
60Co	5.0E-05		NSA	3.71E-06	5.32E-06
131I	3.0E-07		NSA	5.19E-07	NSA
137Cs	2.0E-05		NSA	4.17E-07	1.24E-06
59Fe	6.0E-05		NSA	NSA	1.05E-06
35S	6.0E-05		NSA	NSA	1.80E-04

*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 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 730

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	11284	TIME	2050
RELEASE COMPLETION	:	DATE	11384	TIME	47
RELEASE DURATION	:	HRS.	3.95	MIN.	237.
TANK LEVEL [INCHES]	:	INITIAL	114.0	FINAL	2.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3713790.	FINAL	3745350.
TOTAL VOLUME RELEASED	:	LITERS	7381.	GALS	1950.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2389092.	GALS	631200.
AVERAGE RELEASE RATE	:	LPM	31.14	GPM	8.23
AVERAGE BLOWDOWN RATE	:	LPM	10080.56	GPM	2663.29

DESCRIPTIONS :

- 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 33.001	1 684	600	1.49E-08	7.36E-07	3.48E-01	0.00E-01	SD 43
B 33.002	1 684	605	1.84E-08	7.60E-07	3.51E-01	0.00E-01	SD 44
C 5.001	11284	2015	2.19E-08	8.09E-08	6.02E-07		
D 6.001	11384	430	2.22E-08	8.11E-08	6.02E-07		
E 7.001	11284	2315	1.25E-08	3.38E-08	9.92E-04		
F 8.001	11384	422	1.39E-08	2.45E-08	6.63E-05		
G 9.001	1 684	1100	7.88E-09	2.61E-08	9.39E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.36E-07	1.84E-08	3.23E-11	N/A
GROSS BETA	5.61E-06	7.60E-07	2.26E-09	7.54E+00
TRITIUM	2.59E+00	3.51E-01	1.08E-03	3.61E+01

TABLE 1.2 (PAGE 2 OF 33)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 731

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12084	TIME	1442
RELEASE COMPLETION	:	DATE	12084	TIME	1858
RELEASE DURATION	:	HRS.	4.27	MIN.	256.
TANK LEVEL [INCHES]	:	INITIAL	117.0	FINAL	2.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	4948200.	FINAL	4973050.
TOTAL VOLUME RELEASED	:	LITERS	7579.	GALS	2002.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1881145.	GALS	497000.
AVERAGE RELEASE RATE	:	LPM	29.60	GPM	7.82
AVERAGE BLOWDOWN RATE	:	LPM	7348.22	GPM	1941.41

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-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.003	11984	1851	2.38E-08	9.13E-08	1.01E-01	0.00E-01	SD 120
B 33.004	11984	1856	2.38E-08	1.03E-07	1.00E-01	0.00E-01	SD 121
C 5.002	12084	1315	2.46E-08	8.27E-08	6.23E-07		
D 6.002	12084	2300	2.83E-08	7.93E-08	1.03E-05		
E 7.002	12084	1730	5.34E-09	1.20E-08	4.15E-04		
F 8.002	12084	2220	7.83E-09	1.33E-08	6.23E-07		
G 9.002	11284	1000	5.66E-09	1.86E-08	6.19E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.80E-07	2.38E-08	7.27E-11	N/A
GROSS BETA	7.79E-07	1.03E-07	3.38E-10	1.13E+00
TRITIUM	7.67E-01	1.01E-01	4.06E-04	1.35E+01

TABLE 1.2 (PAGE 3 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 732

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12584	TIME	208
RELEASE COMPLETION	:	DATE	12584	TIME	534
RELEASE DURATION	:	HRS.	3.43	MIN.	206.
TANK LEVEL [INCHES]	:	INITIAL	112.0	FINAL	1.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	5630408.	FINAL	5655599.
TOTAL VOLUME RELEASED	:	LITERS	7315.	GALS	1933.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1906959.	GALS	503820.
AVERAGE RELEASE RATE	:	LPM	35.51	GPM	9.38
AVERAGE BLOWDOWN RATE	:	LPM	9257.08	GPM	2445.73

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 G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.005	12484	621	2.15E-08	1.86E-07	6.57E-02	1.67E-07	SD 146
B 33.006	12484	626	1.69E-08	8.21E-08	6.57E-02	1.67E-07	SD 147
C 5.003	12584	30	2.43E-08	8.26E-08	6.23E-07		
D 6.003	12584	820	2.44E-08	8.26E-08	6.23E-07		
E 7.003	12584	414	4.76E-09	8.67E-09	2.11E-04		
F 8.003	12584	825	4.24E-09	8.61E-09	1.80E-06		
G 9.003	12084	800	1.31E-08	1.54E-08	6.17E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.57E-07	2.15E-08	3.23E-11	N/A
GROSS BETA	1.36E-06	1.86E-07	6.52E-10	2.17E+00
TRITIUM	4.81E-01	6.57E-02	2.51E-04	8.37E+00
133XE	1.22E-06	1.67E-07	6.38E-10	3.19E-04

TABLE 1.2 (PAGE 4 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 733

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	12684	TIME	2032
RELEASE COMPLETION	:	DATE	12784	TIME	208
RELEASE DURATION	:	HRS.	5.60	MIN.	336.
TANK LEVEL [INCHES]	:	INITIAL	126.0	FINAL	2.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	5940010.	FINAL	5980405.
TOTAL VOLUME RELEASED	:	LITERS	8172.	GALS	2159.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	3057902.	GALS	807900.
AVERAGE RELEASE RATE	:	LPM	24.32	GPM	6.43
AVERAGE BLOWDOWN RATE	:	LPM	9100.90	GPM	2404.46

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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 33.007	12684	927	1.67E-08	3.20E-07	1.20E-01	6.10E-07	SD 159
B 33.008	12684	932	1.61E-08	3.12E-07	1.21E-01	6.10E-07	SD 160
C 5.004	12684	1940	2.11E-08	8.88E-08	6.08E-07		
D 6.004	12784	452	2.12E-08	8.89E-08	1.18E-06		
E 7.004	12784	23	8.08E-09	2.26E-08	3.05E-04		
F 8.004	12784	500	1.69E-08	1.27E-08	6.08E-07		
G 9.004	12584	1000	9.77E-09	9.01E-09	1.53E-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	1.67E-08	1.84E-11	N/A
GROSS BETA	2.61E-06	3.20E-07	8.28E-10	2.76E+00
TRITIUM	9.88E-01	1.21E-01	3.22E-04	1.07E+01
133XE	4.98E-06	6.10E-07	1.63E-09	8.13E-02

TABLE 1.2 (PAGE 5 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 734

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 12984 TIME 1745
 RELEASE COMPLETION : DATE 12984 TIME 2145
 RELEASE DURATION : HRS. 4.00 MIN. 240.

TANK LEVEL [INCHES] : INITIAL 112.0 FINAL 2.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 6441750. FINAL 6470750.

TOTAL VOLUME RELEASED : LITERS 7249. GALS 1915.
 TOTAL VOLUME USED FOR RELEASE : LITERS 2195300. GALS 580000.

AVERAGE RELEASE RATE : LPM 30.20 GPM 7.98
 AVERAGE BLOWDOWN RATE : LPM 9147.08 GPM 2416.67

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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 33.009	12984	715	1.43E-08	4.17E-07	1.80E-01	3.61E-07	SD 168
B 33.010	12984	720	1.60E-08	3.99E-07	1.80E-01	3.61E-07	SD 169
C 5.005	12984	1730	2.12E-08	8.89E-08	6.27E-07		
D 6.005	13084	50	2.11E-08	8.88E-08	6.27E-07		
E 7.005	12984	2010	5.72E-09	9.00E-09	5.26E-04		
F 8.005	13084	35	3.01E-09	1.09E-08	6.27E-07		
G 9.004	12584	1000	9.77E-09	9.01E-09	1.53E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.16E-07	1.60E-08	2.05E-11	N/A
GROSS BETA	3.03E-06	4.17E-07	1.34E-09	4.48E+00
TRITIUM	1.30E+00	1.80E-01	5.92E-04	1.97E+01
133XE	2.62E-06	3.61E-07	1.19E-09	5.94E-04

TABLE 1.2 (PAGE 6 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 735

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	13084	TIME	2021
RELEASE COMPLETION	:	DATE	13184	TIME	112
RELEASE DURATION	:	HRS.	4.85	MIN.	291.
TANK LEVEL [INCHES]	:	INITIAL	129.0	FINAL	6.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6634700.	FINAL	6669410.
TOTAL VOLUME RELEASED	:	LITERS	8106.	GALS	2142.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2627547.	GALS	694200.
AVERAGE RELEASE RATE	:	LPM	27.85	GPM	7.36
AVERAGE BLOWDOWN RATE	:	LPM	9029.37	GPM	2385.57

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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 33.011	13084	1020	2.05E-08	1.51E-07	3.99E-02	5.87E-07	SD 174
B 33.012	13084	1025	2.05E-08	1.81E-07	3.90E-02	5.87E-07	SD 175
C 5.006	13084	1950	1.70E-08	8.78E-08	6.17E-07		
D 6.006	13184	430	2.08E-08	8.79E-08	6.17E-07		
E 7.006	13084	2315	4.57E-09	9.17E-09	1.32E-04		
F 8.006	13184	415	1.13E-08	2.32E-08	6.17E-07		
G 9.004	12584	1000	9.77E-09	9.01E-09	1.53E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.67E-07	2.05E-08	3.32E-11	N/A
GROSS BETA	1.47E-06	1.81E-07	5.30E-10	1.77E+00
TRITIUM	3.24E-01	3.99E-02	1.23E-04	4.09E+00
133XE	4.76E-06	5.87E-07	1.81E-09	9.03E-04

TABLE 1.2 (PAGE 7 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 736

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	2 484	TIME	1950
RELEASE COMPLETION	:	DATE	2 584	TIME	3
RELEASE DURATION	:	HRS.	4.22	MIN.	253.
TANK LEVEL [INCHES]	:	INITIAL	111.0	FINAL	2.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	7495000.	FINAL	7525365.
TOTAL VOLUME RELEASED	:	LITERS	7183.	GALS	1898.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2298631.	GALS	607300.
AVERAGE RELEASE RATE	:	LPM	28.39	GPM	7.50
AVERAGE BLOWDOWN RATE	:	LPM	9085.50	GPM	2400.40

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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 33.013	2 284	835	2.05E-08	6.76E-07	1.30E-01	1.50E-07	SD 193
B 33.014	2 284	840	2.05E-08	4.82E-07	1.31E-01	1.50E-07	SD 194
C 5.007	2 484	1850	2.12E-08	9.43E-08	6.41E-07		
D 6.007	2 584	300	2.66E-08	9.44E-08	6.41E-07		
E 7.007	2 484	2230	7.94E-09	9.80E-09	4.01E-04		
F 8.007	2 584	840	5.63E-09	9.84E-09	6.41E-07		
G 9.005	2 284	930	7.70E-09	1.37E-08	6.41E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.47E-07	2.05E-08	4.00E-11	N/A
GROSS BETA	4.86E-06	6.76E-07	2.06E-09	6.88E+00
TRITIUM	9.45E-01	1.31E-01	4.10E-04	1.37E+01
133XE	1.08E-06	1.50E-07	4.67E-10	2.34E-04

TABLE 1.2 (PAGE 8 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 737

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	2 884	TIME	1400
RELEASE COMPLETION	:	DATE	2 884	TIME	1817
RELEASE DURATION	:	HRS.	4.28	MIN.	257.
TANK LEVEL [INCHES]	:	INITIAL	106.0	FINAL	1.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8143794.	FINAL	8173800.
TOTAL VOLUME RELEASED	:	LITERS	6920.	GALS	1828.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2271454.	GALS	600120.
AVERAGE RELEASE RATE	:	LPM	26.92	GPM	7.11
AVERAGE BLOWDOWN RATE	:	LPM	8838.34	GPM	2335.10

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 33.015	2 784	850	1.66E-08	2.09E-07	3.94E-02	0.00E-01	SD 222
B 33.016	2 784	855	1.66E-08	8.71E-08	3.87E-02	0.00E-01	SD 218
C 5.008	2 884	950	5.24E-08	1.00E-07	8.76E-07		
D 6.008	2 884	2110	2.44E-08	8.02E-08	8.76E-07		
E 7.008	2 884	1625	9.02E-09	9.75E-09	1.19E-04		
F 8.008	2 884	2110	4.81E-09	2.35E-08	8.76E-07		
G 9.006	2 884	800	1.14E-08	5.09E-09	9.09E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.15E-07	1.66E-08	1.59E-11	N/A
GROSS BETA	1.45E-06	2.09E-07	6.20E-10	2.07E+00
TRITIUM	2.73E-01	3.94E-02	1.20E-04	3.99E+00

TABLE 1.2 (PAGE 9 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 738

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 21084 TIME 1735
 RELEASE COMPLETION : DATE 21084 TIME 2156
 RELEASE DURATION : HRS. 4.35 MIN. 261.

TANK LEVEL [INCHES] : INITIAL 118.0 FINAL 1.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 8503333. FINAL 8534303.

TOTAL VOLUME RELEASED : LITERS 7710. GALS 2037.
 TOTAL VOLUME USED FOR RELEASE : LITERS 2344429. GALS 619400.

AVERAGE RELEASE RATE : LPM 29.54 GPM 7.80
 AVERAGE BLOWDOWN RATE : LPM 8982.49 GPM 2373.18

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 33.019	21084	810	3.68E-08	2.73E-07	2.14E-02	0.00E-01	SD 233
B 33.020	21084	815	3.68E-08	1.93E-07	2.19E-02	0.00E-01	SD 235
C 5.009	21084	1715	4.71E-08	9.03E-08	8.34E-07		
D 6.009	21184	48	2.45E-08	8.02E-08	8.34E-07		
E 7.009	21084	2030	1.15E-08	1.25E-08	6.29E-05		
F 8.009	21184	48	1.22E-08	3.02E-08	8.76E-07		
G 9.006	2 884	800	1.14E-08	5.09E-09	9.09E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.84E-07	3.68E-08	8.33E-11	N/A
GROSS BETA	2.11E-06	2.73E-07	8.79E-10	2.93E+00
TRITIUM	1.69E-01	2.19E-02	7.18E-05	2.39E+00
60CO	4.89E-07	6.34E-08	2.08E-10	4.16E-02

TABLE 1.2 (PAGE 10 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 739

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	21284	TIME	223
RELEASE COMPLETION	:	DATE	21284	TIME	745
RELEASE DURATION	:	HRS.	5.37	MIN.	322.
TANK LEVEL [INCHES]	:	INITIAL	117.0	FINAL	2.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8734300.	FINAL	8772024.
TOTAL VOLUME RELEASED	:	LITERS	7579.	GALS	2002.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2855707.	GALS	754480.
AVERAGE RELEASE RATE	:	LPM	23.54	GPM	6.22
AVERAGE BLOWDOWN RATE	:	LPM	8868.65	GPM	2343.11

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 33.021	21184	920	2.93E-08	3.45E-07	1.07E-01	0.00E-01	SD 244
B 33.022	21184	925	2.93E-08	3.67E-07	1.07E-01	0.00E-01	SD 245
C 5.010	21284	130	4.73E-08	9.03E-08	8.34E-07		
D 6.010	21284	1331	3.68E-08	9.03E-08	8.34E-07		
E 7.010	21284	530	1.20E-08	9.73E-09	3.37E-04		
F 8.010	21284	1331	1.22E-08	1.04E-08	9.05E-07		
G 9.007	21584	800	1.67E-08	9.12E-09	8.27E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.22E-07	2.93E-08	3.33E-11	N/A
GROSS BETA	2.78E-06	3.67E-07	9.47E-10	3.16E+00
TRITIUM	8.13E-01	1.07E-01	2.84E-04	9.47E+00
60CO	1.94E-07	2.56E-08	6.78E-11	1.36E-04

TABLE 1.2 (PAGE 11 OF 33)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 740

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 21484 TIME 1105
 RELEASE COMPLETION : DATE 21484 TIME 1504
 RELEASE DURATION : HRS. 3.98 MIN. 239.

TANK LEVEL [INCHES] : INITIAL 114.0 FINAL 0.0

BLOWDOWN INTEGERATOR READINGS : INITIAL 9125500. FINAL 9150800.

TOTAL VOLUME RELEASED : LITERS 7513. GALS 1985.
 TOTAL VOLUME USED FOR RELEASE : LITERS 1915210. GALS 506000.

AVERAGE RELEASE RATE : LPM 31.43 GPM 8.30
 AVERAGE BLOWDOWN RATE : LPM 8013.43 GPM 2117.16

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 33.023	21384	1345	2.72E-08	2.41E-07	2.64E-02	0.00E-01	SD 254
B 33.024	21384	350	3.05E-08	1.49E-07	2.67E-02	0.00E-01	SD 255
C 5.011	21484	1030	4.05E-08	9.06E-08	8.27E-07		
D 6.011	21484	1720	4.71E-08	9.05E-08	8.27E-07		
E 7.011	21484	1400	1.14E-08	1.29E-08	9.52E-05		
F 8.011	21484	1730	1.17E-08	1.81E-08	1.62E-06		
G 9.007	21584	800	1.67E-08	9.12E-09	8.27E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.29E-07	3.05E-08	5.40E-11	N/A
GROSS BETA	1.81E-06	2.41E-07	9.06E-10	3.02E+00
TRITIUM	2.00E-01	2.67E-02	1.04E-04	3.47E+00

TABLE 1.2 (PAGE 12 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 741

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	21884	TIME	505
RELEASE COMPLETION	:	DATE	21884	TIME	1003
RELEASE DURATION	:	HRS.	4.97	MIN.	298.
TANK LEVEL [INCHES]	:	INITIAL	118.0	FINAL	0.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9705870.	FINAL	9736680.
TOTAL VOLUME RELEASED	:	LITERS	7776.	GALS	2054.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2332317.	GALS	616200.
AVERAGE RELEASE RATE	:	LPM	26.09	GPM	6.89
AVERAGE BLOWDOWN RATE	:	LPM	7826.57	GPM	2067.79

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 33.025	21784	1329	4.56E-08	7.65E-07	1.45E-02	0.00E-01	SD 279
B 33.026	21784	1334	4.56E-08	6.35E-07	1.55E-02	0.00E-01	SD 277
C 5.012	21884	410	1.70E-08	7.81E-08	8.68E-07		
D 6.012	21884	1315	1.21E-08	7.52E-08	8.68E-07		
E 7.012	21884	1310	9.96E-09	1.75E-08	1.03E-06		
F 8.012	21884	805	1.34E-08	1.04E-08	5.51E-05		
G 9.007	21584	800	1.67E-08	9.12E-09	8.27E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.54E-07	4.56E-08	9.60E-11	N/A
GROSS BETA	5.95E-06	7.65E-07	2.51E-09	8.37E+00
TRITIUM	1.21E-01	1.55E-02	5.15E-05	1.72E+00
131I	3.65E-07	4.70E-08	1.56E-10	5.21E-02
60CO	1.10E-06	1.42E-07	4.72E-10	9.44E-04

TABLE 1.2 (PAGE 13 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 742

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	22084	TIME	1713
RELEASE COMPLETION	:	DATE	22084	TIME	2053
RELEASE DURATION	:	HRS.	3.67	MIN.	220.
TANK LEVEL [INCHES]	:	INITIAL	108.0	FINAL	2.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	79777.	FINAL	102835.
TOTAL VOLUME RELEASED	:	LITERS	6985.	GALS	1846.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1745491.	GALS	461160.
AVERAGE RELEASE RATE	:	LPM	31.75	GPM	8.39
AVERAGE BLOWDOWN RATE	:	LPM	7934.05	GPM	2096.18

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 33.027	22084	725	6.64E-08	7.67E-07	4.39E-03	0.00E-01	SD 286
B 33.028	22084	728	6.64E-08	8.13E-07	4.46E-03	0.00E-01	SD 287
C 5.013	22084	1545	3.68E-08	7.53E-08	8.68E-07		
D 6.013	22084	2345	1.21E-08	7.94E-08	8.68E-07		
E 7.013	22084	2000	5.65E-09	1.87E-08	6.15E-07		
F 8.013	22184	2	1.12E-08	8.75E-09	3.83E-06		
G 9.008	22284	730	1.19E-08	8.40E-09	8.56E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	4.64E-07	6.64E-08	2.17E-10	N/A
GROSS BETA	5.68E-06	8.13E-07	3.21E-09	1.07E+01
TRITIUM	3.11E-02	4.46E-03	1.78E-05	5.92E-01
60CO	7.61E-07	1.09E-07	4.34E-10	8.69E-04

TABLE 1.2 (PAGE 14 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 743

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	22184	TIME	1740
RELEASE COMPLETION	:	DATE	22184	TIME	2215
RELEASE DURATION	:	HRS.	4.58	MIN.	275.
TANK LEVEL [INCHES]	:	INITIAL	122.0	FINAL	1.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	233299.	FINAL	262463.
TOTAL VOLUME RELEASED	:	LITERS	7974.	GALS	2107.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2207715.	GALS	563280.
AVERAGE RELEASE RATE	:	LPM	29.00	GPM	7.66
AVERAGE BLOWDOWN RATE	:	LPM	8028.05	GPM	2121.02

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 33.029	22184	625	4.25E-08	8.85E-07	3.02E-03	0.00E-01	SD 291
B 33.030	22184	630	4.25E-08	1.02E-06	3.01E-03	0.00E-01	SD 293
C 5.014	22284	2010	2.15E-08	7.55E-08	8.54E-07		
D 6.014	22284	110	2.08E-08	7.53E-08	8.56E-07		
E 7.014	22184	1720	7.93E-09	1.60E-08	9.85E-06		
F 8.014	22284	55	8.25E-09	1.30E-08	2.62E-06		
G 9.008	22284	730	1.19E-08	8.40E-09	8.56E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.39E-07	4.25E-08	1.10E-10	N/A
GROSS BETA	8.16E-06	1.02E-06	3.65E-09	1.22E+01
TRITIUM	2.41E-02	3.02E-03	1.09E-05	3.62E-01
60CO	5.65E-07	7.09E-08	2.55E-10	5.10E-04

TABLE 1.2 (PAGE 15 OF 33)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 744

RELEASE MADE FROM : TANK T-6203

RELEASE START : DATE 22284 TIME 1144
 RELEASE COMPLETION : DATE 22284 TIME 1600
 RELEASE DURATION : HRS. 4.27 MIN. 256.

TANK LEVEL [INCHES] : INITIAL 117.0 FINAL 3.0

BLOWDOWN INTEGERATOR READINGS : INITIAL 348100. FINAL 375929.

TOTAL VOLUME RELEASED : LITERS 7513. GALS 1985.
 TOTAL VOLUME USED FOR RELEASE : LITERS 2106655. GALS 556580.

AVERAGE RELEASE RATE : LPM 29.35 GPM 7.75
 AVERAGE BLOWDOWN RATE : LPM 8229.12 GPM 2174.14

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 33.031	22184	1520	8.41E-08	1.31E-06	9.55E-04	0.00E-01	SD 297
B 33.032	22184	1525	6.52E-08	1.39E-06	9.51E-04	0.00E-01	SD 298
E 7.015	22284	1420	8.33E-09	9.54E-09	1.10E-05		
G 9.008	22284	730	1.19E-08	8.40E-09	8.56E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	6.32E-07	8.41E-08	2.56E-10	N/A
GROSS BETA	1.05E-05	1.39E-06	4.92E-09	1.64E+01
TRITIUM	7.18E-03	9.55E-04	3.39E-06	1.13E-01
131I	1.54E-07	2.05E-08	7.28E-11	2.43E-02
137CS	2.41E-07	3.21E-08	1.14E-10	5.70E-04
60CO	3.08E-07	4.10E-08	1.46E-10	2.91E-04

TABLE 1.2 (PAGE 16 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 745

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	22484	TIME	1648
RELEASE COMPLETION	:	DATE	22484	TIME	1923
RELEASE DURATION	:	HRS.	2.58	MIN.	155.
TANK LEVEL [INCHES]	:	INITIAL	110.0	FINAL	32.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	685389.	FINAL	694818.
TOTAL VOLUME RELEASED	:	LITERS	5140.	GALS	1358.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	713775.	GALS	188580.
AVERAGE RELEASE RATE	:	LPM	33.16	GPM	8.76
AVERAGE BLOWDOWN RATE	:	LPM	4605.00	GPM	1216.65

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 33.033	22484	750	1.68E-08	1.21E-06	9.62E-03	0.00E-01	SD 311
B 33.034	22484	755	2.43E-08	1.22E-06	9.85E-03	0.00E-01	SD 312
E 7 016	22484	1900	1.50E-08	1.91E-08	5.71E-05		
G 9.008	22284	730	1.19E-08	8.40E-09	8.56E-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	2.43E-08	8.88E-11	N/A
GROSS BETA	6.27E-06	1.22E-06	8.67E-09	2.89E+01
TRITIUM	5.06E-02	9.85E-03	7.04E-05	2.35E+00

TABLE 1.2 (PAGE 17 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 746

RELEASE MADE FROM	:	TANK	Y-6204		
RELEASE START	:	DATE	22684	TIME	1130
RELEASE COMPLETION	:	DATE	22684	TIME	1518
RELEASE DURATION	:	HRS	3.80	MIN.	228.
TANK LEVEL [INCHES]	:	INITIAL	120.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	846800.	FINAL	863200.
TOTAL VOLUME RELEASED	:	LITERS	6920.	GALS	1828.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1241480.	GALS	328000.
AVERAGE RELEASE RATE	:	LPM	30.35	GPM	8.02
AVERAGE BLOWDOWN RATE	:	LPM	5445.09	GPM	1438.60

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 33.035	22584	1957	3.18E-08	1.49E-06	6.79E-03	0.00E-01	SD 322
B 33.036	22584	2002	2.95E-08	1.44E-06	6.92E-03	0.00E-01	SD 321
E 7.017	22684	1405	1.08E-08	1.37E-08	3.40E-05		
G 9.009	22884	830	9.73E-09	9.13E-09	4.91E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.20E-07	3.18E-08	1.22E-10	N/A
GROSS BETA	1.03E-05	1.49E-06	8.21E-09	2.74E+01
TRITIUM	4.79E-02	6.92E-03	3.83E-05	1.28E+00

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 747

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	22984	TIME	1910
RELEASE COMPLETION	:	DATE	22984	TIME	2250
RELEASE DURATION	:	HRS.	3.67	MIN.	220.
TANK LEVEL [INCHES]	:	INITIAL	114.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1189730.	FINAL	1205300.
TOTAL VOLUME RELEASED	:	LITERS	6458.	GALS	1706.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1178649.	GALS	311400.
AVERAGE RELEASE RATE	:	LPM	29.36	GPM	7.76
AVERAGE BLOWDOWN RATE	:	LPM	5357.50	GPM	1415.45

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 33.037	22984	650	3.02E-08	1.35E-06	3.37E-03	0.00E-01	SD 342
B 33.038	22984	655	3.87E-08	1.37E-06	3.32E-03	0.00E-01	SD 344
E 7.018	22984	2100	7.35E-09	1.04E-08	1.63E-05		
G 9.009	22884	830	9.73E-09	9.13E-09	4.91E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.50E-07	3.87E-08	1.58E-10	N/A
GROSS BETA	8.87E-06	1.37E-06	7.43E-09	2.48E+01
TRITIUM	2.18E-02	3.37E-03	1.84E-05	6.12E-01
137CS	1.76E-07	2.73E-08	1.49E-10	7.44E-04
60CO	2.86E-07	4.43E-08	2.41E-10	4.83E-04

TABLE 1.2 (PAGE 19 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 748

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 3 384 TIME 1320
 RELEASE COMPLETION : DATE 3 384 TIME 1640
 RELEASE DURATION : HRS. 3.33 MIN. 200.

TANK LEVEL [INCHES] : INITIAL 120.0 FINAL 15.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 1471960. FINAL 1494800.

TOTAL VOLUME RELEASED : LITERS 6920. GALS 1828.
 TOTAL VOLUME USED FOR RELEASE : LITERS 1728988. GALS 456800.

AVERAGE RELEASE RATE : LPM 34.60 GPM 9.14
 AVERAGE BLOWDOWN RATE : LPM 8644.94 GPM 2284.00

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 33.039	3 284	1025	3.60E-08	2.28E-06	2.15E-03	0.00E-01	SD 353
B 33.040	3 284	1030	5.59E-08	2.19E-06	2.13E-03	0.00E-01	SD 354
E 7.019	3 384	1530	2.04E-08	9.53E-09	6.95E-06		
G 9.009	22884	830	9.73E-09	9.13E-09	4.91E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.87E-07	5.59E-08	1.84E-10	N/A
GROSS BETA	1.58E-05	2.28E-06	9.05E-09	3.02E+01
TRITIUM	1.49E-02	2.15E-03	8.55E-06	2.85E-01
60CO	1.30E-06	1.88E-07	7.49E-10	1.50E-01
137CS	2.49E-07	3.60E-08	1.43E-10	7.17E-04

TABLE 1.2 (PAGE 20 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 749

RELEASE MADE FROM	:	TANK	T-6202		
RELEASE START	:	DATE	3 384	TIME	2105
RELEASE COMPLETION	:	DATE	3 484	TIME	115
RELEASE DURATION	:	HRS.	4.17	MIN.	250.
TANK LEVEL [INCHES]	:	INITIAL	110.0	FINAL	5.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	1524900.	FINAL	1553500.
TOTAL VOLUME RELEASED	:	LITERS	6920.	GALS	1828.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2165020.	GALS	572000.
AVERAGE RELEASE RATE	:	LPM	27.68	GPM	7.31
AVERAGE BLOWDOWN RATE	:	LPM	8660.08	GPM	2288.00

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 33.041	3 384	940	9.48E-08	2.91E-06	1.07E-03	0.00E-01	SD 357
B 33.042	3 384	945	5.75E-08	2.92E-06	1.09E-03	0.00E-01	SD 358
E 7.020	3 384	2315	2.87E-08	2.17E-08	3.25E-06		
G 9.009	22884	830	9.73E-09	9.13E-09	4.91E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	6.56E-07	9.48E-08	2.71E-10	N/A
GROSS BETA	2.02E-05	2.92E-06	9.26E-09	3.09E+01
TRITIUM	7.54E-03	1.09E-03	3.46E-06	1.15E-01
60CO	8.65E-07	1.25E-07	3.98E-10	7.96E-04
137CS	5.20E-07	7.52E-08	2.40E-10	1.20E-03

TABLE 1.2 (PAGE 21 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 750

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	3 784	TIME	1735
RELEASE COMPLETION	:	DATE	3 784	TIME	2200
RELEASE DURATION	:	HRS.	4.42	MIN.	265.
TANK LEVEL [INCHES]	:	INITIAL	103.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2098780.	FINAL	2125615.
TOTAL VOLUME RELEASED	:	LITERS	5753.	GALS	1515.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2031410.	GALS	536700.
AVERAGE RELEASE RATE	:	LPM	21.64	GPM	5.72
AVERAGE BLOWDOWN RATE	:	LPM	7665.70	CPM	2025.28

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 33.045	3 684	715	4.48E-08	2.56E-06	1.22E-03	0.00E-01	SD 369
B 33.046	3 684	720	5.90E-08	2.55E-06	1.25E-03	0.00E-01	SD 371
E 7.022	3 784	2015	1.43E-08	9.40E-09	3.19E-06		
G 9.010	3 684	830	2.49E-08	1.63E-08	1.23E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.38E-07	5.90E-08	9.59E-11	N/A
GROSS BETA	1.47E-05	2.56E-06	7.17E-09	2.39E+01
TRITIUM	7.16E-03	1.25E-03	3.51E-06	1.17E-01
60CO	6.13E-07	1.07E-07	3.01E-10	6.02E-02
59FE	5.34E-07	9.32E-08	2.62E-10	4.37E-02
137CS	3.58E-07	6.24E-08	1.76E-10	8.78E-04

TABLE 1.2 (PAGE 22 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 751

RELEASE MADE FROM	:	TANK	T-6202		
RELEASE START	:	DATE	3 784	TIME	929
RELEASE COMPLETION	:	DATE	3 784	TIME	1315
RELEASE DURATION	:	HRS.	3.77	MIN.	226.
TANK LEVEL [INCHES]	:	INITIAL	110.0	FINAL	6.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	2049470.	FINAL	2072207.
TOTAL VOLUME RELEASED	:	LITERS	6854.	GALS	1811.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1721191.	GALS	454740.
AVERAGE RELEASE RATE	:	LPM	30.33	GPM	8.01
AVERAGE BLOWDOWN RATE	:	LPM	7615.89	GPM	2012.12

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 33.047	3 684	1451	6.34E-08	2.58E-06	3.55E-04	0.00E-01	SD 376
B 33.048	3 684	1456	5.16E-08	2.46E-06	3.59E-04	0.00E-01	SD 377
E 7.021	3 784	1140	2.14E-08	1.16E-08	1.87E-06		
G 9.010	3 684	830	2.49E-08	1.63E-08	1.23E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	4.34E-07	6.34E-08	1.53E-10	N/A
GROSS BETA	1.77E-05	2.58E-06	1.02E-08	3.39E+01
TRITIUM	2.46E-03	3.59E-04	1.42E-06	4.73E-02

TABLE 1.2 (PAGE 23 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 752

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	31084	TIME	652
RELEASE COMPLETION	:	DATE	31084	TIME	1017
RELEASE DURATION	:	HRS.	3.42	MIN.	205.
TANK LEVEL [INCHES]	:	INITIAL	116.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2480900.	FINAL	2499707.
TOTAL VOLUME RELEASED	:	LITERS	6590.	GALS	1741.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1423690.	GALS	376140.
AVERAGE RELEASE RATE	:	LPM	32.15	GPM	8.49
AVERAGE BLOWDOWN RATE	:	LPM	6944.83	GPM	1834.83

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 33.049	3 984	1430	9.96E-08	2.92E-06	4.96E-04	0.00E-01	SD 387
B 33.050	3 984	1435	7.93E-08	2.87E-06	5.01E-04	0.00E-01	SD 388
E 7.023	31084	930	5.18E-09	2.00E-08	1.25E-05		
G 9.010	3 684	830	2.49E-08	1.63E-08	1.23E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	6.56E-07	9.96E-08	3.44E-10	N/A
GROSS BETA	1.92E-05	2.92E-06	1.34E-08	4.45E+01
TRITIUM	3.30E-03	5.01E-04	2.30E-06	7.68E-02
59FE	5.18E-07	7.86E-08	3.62E-10	6.04E-02
60CO	5.54E-07	8.41E-08	3.87E-10	7.75E-02

TABLE 1.2 (PAGE 24 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 753

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	31184	TIME	2140
RELEASE COMPLETION	:	DATE	31284	TIME	430
RELEASE DURATION	:	HRS.	6.83	MIN.	410.
TANK LEVEL [INCHES]	:	INITIAL	114.0	FINAL	18.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2714110.	FINAL	2767680.
TOTAL VOLUME RELEASED	:	LITERS	6326.	GALS	1671.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	4055249.	GALS	1071400.
AVERAGE RELEASE RATE	:	LPM	15.43	GPM	4.08
AVERAGE BLOWDOWN RATE	:	LPM	9890.85	GPM	2613.17

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 33.051	31184	1115	2.59E-08	1.39E-05	2.43E-01	0.00E-01	SD 391
B 33.052	31184	1120	4.08E-08	1.35E-05	2.42E-01	0.00E-01	SD 392
E 7.024	31284	300	8.85E-09	2.08E-08	4.79E-04		
G 9.010	3 684	830	2.49E-08	1.63E-08	1.23E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.58E-07	4.08E-08	2.47E-11	N/A
GROSS BETA	8.78E-05	1.39E-05	2.16E-08	7.20E+01
TRITIUM	1.53E+00	2.43E-01	3.78E-04	1.26E+01
60CO	5.56E-07	8.79E-08	1.37E-10	2.74E-04
137CS	1.13E-07	1.79E-08	2.79E-11	1.39E-02
35S	1.80E-04	2.84E-05	4.42E-08	7.37E-02

TABLE 1.2 (PAGE 25 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 754

RELEASE MADE FROM	:	TANK	T-6202		
RELEASE START	:	DATE	31384	TIME	1622
RELEASE COMPLETION	:	DATE	31484	TIME	2
RELEASE DURATION	:	HRS.	7.67	MIN.	460.
TANK LEVEL [INCHES]	:	INITIAL	102.0	FINAL	19.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2953240.	FINAL	3013800.
TOTAL VOLUME RELEASED	:	LITERS	5470.	GALS	1445.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	4584392.	GALS	1211200.
AVERAGE RELEASE RATE	:	LPM	11.89	GPM	3.14
AVERAGE BLOWDOWN RATE	:	LPM	9966.07	GPM	2633.04

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 33.057	31384	650	3.10E-08	4.92E-06	6.63E-01	0.00E-01	SD 402
B 33.058	31384	700	3.10E-08	5.54E-06	6.67E-01	0.00E-01	SD 403
E 7.026	31384	2215	2.53E-08	1.32E-08	7.80E-04		
G 9.011	31384	815	8.10E-09	1.11E-08	6.60E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.70E-07	3.10E-08	2.73E-11	N/A
GROSS BETA	3.03E-05	5.54E-06	6.59E-09	2.20E+01
TRITIUM	3.65E+00	6.67E-01	7.95E-04	2.65E+01
60CO	8.26E-07	1.51E-07	1.80E-10	3.60E-02

TABLE 1.2 (PAGE 26 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 755

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	31484	TIME	1815
RELEASE COMPLETION	:	DATE	31584	TIME	54
RELEASE DURATION	:	HRS.	6.65	MIN.	399.
TANK LEVEL [INCHES]	:	INITIAL	112.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3110720.	FINAL	3165000.
TOTAL VOLUME RELEASED	:	LITERS	6326.	GALS	1671.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	4108996.	GALS	1085600.
AVERAGE RELEASE RATE	:	LPM	15.86	GPM	4.19
AVERAGE BLOWDOWN RATE	:	LPM	10298.24	GPM	2720.80

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 33.059	31484	1515	3.50E-08	3.91E-06	5.40E-01	0.00E-01	SD 409
B 33.060	31484	1520	3.49E-08	3.76E-06	5.29E-01	0.00E-01	SD 410
E 7.025	31484	2300	9.03E-09	6.76E-08	8.09E-04		
G 9.011	31384	815	8.10E-09	1.11E-08	6.60E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.22E-07	3.50E-08	4.14E-11	N/A
GROSS BETA	2.48E-05	3.91E-06	6.00E-09	2.00E+01
TRITIUM	3.42E+00	5.40E-01	8.31E-04	2.77E+01

TABLE 1.2 (PAGE 27 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 756

RELEASE MADE FROM : TANK T-6202

RELEASE START : DATE 31584 TIME 1812
 RELEASE COMPLETION : DATE 31584 TIME 2303
 RELEASE DURATION : HRS. 4.85 MIN. 291.

TANK LEVEL [INCHES] : INITIAL 104.0 FINAL 7.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 3258650. FINAL 3296660.

TOTAL VOLUME RELEASED : LITERS 6392. GALS 1689.
 TOTAL VOLUME USED FOR RELEASE : LITERS 2877357. GALS 760200.

AVERAGE RELEASE RATE : LPM 21.97 GPM 5.80
 AVERAGE BLOWDOWN RATE : LPM 9887.82 GPM 2612.37

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 33.061	31584	955	4.00E-08	1.56E-06	3.19E-01	0.00E-01	SD 412
B 33.062	31584	1000	2.61E-08	1.64E-06	3.07E-01	0.00E-01	SD 413
E 7.027	31584	2100	1.38E-08	9.88E-09	6.65E-04		
G 9.011	31384	815	8.10E-09	1.11E-08	6.60E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.56E-07	4.00E-08	7.06E-11	N/A
GROSS BETA	1.05E-05	1.64E-06	3.60E-09	1.20E+01
TRITIUM	2.04E+00	3.19E-01	7.06E-04	2.35E+01
60Co	6.09E-07	9.53E-08	2.11E-10	4.22E-04

TABLE 1.2 (PAGE 28 OF 33)

LIGUID WASTE SUMMARY FOR RELEASE NUMBER : 757

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	31784	TIME	1408
RELEASE COMPLETION	:	DATE	31784	TIME	1915
RELEASE DURATION	:	HRS.	5.12	MIN.	307.
TANK LEVEL [INCHES]	:	INITIAL	126.0	FINAL	13.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	3472000.	FINAL	3509450.
TOTAL VOLUME RELEASED	:	LITERS	7447.	GALS	1967.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2834965.	GALS	749000.
AVERAGE RELEASE RATE	:	LPM	24.26	GPM	6.41
AVERAGE BLOWDOWN RATE	:	LPM	9234.42	GPM	2439.74

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 33.063	31784	300	4.31E-08	7.83E-07	4.36E-01	0.00E-01	SD 417
B 33.064	31784	305	4.31E-08	8.43E-07	4.33E-01	0.00E-01	SD 418
E 7.028	31784	1720	2.45E-08	9.82E-09	1.26E-03		
G 9.011	31384	815	8.10E-09	1.11E-08	6.60E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.21E-07	4.31E-08	9.17E-11	N/A
GROSS BETA	6.28E-06	8.43E-07	2.18E-09	7.27E+00
TRITIUM	3.24E+00	4.36E-01	1.14E-03	3.80E+01

TABLE 1.2 (PAGE 29 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 758

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	31884	TIME	1347
RELEASE COMPLETION	:	DATE	31884	TIME	1808
RELEASE DURATION	:	HRS.	4.35	MIN.	261.
TANK LEVEL [INCHES]	:	INITIAL	126.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3614850.	FINAL	3648875.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2575693.	GALS	680500.
AVERAGE RELEASE RATE	:	LPM	27.77	GPM	7.34
AVERAGE BLOWDOWN RATE	:	LPM	9868.55	GPM	2607.28

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 33.065	31884	908	3.47E-08	9.42E-07	4.69E-01	0.00E-01	SD 422
B 33.066	31884	913	3.47E-08	9.38E-07	4.68E-01	0.00E-01	SD 423
E 7.029	31884	1710	2.37E-08	1.97E-08	1.32E-03		
G 9.011	31384	815	8.10E-09	1.11E-08	6.60E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.51E-07	3.47E-08	7.46E-11	N/A
GROSS BETA	6.83E-06	9.42E-07	2.61E-09	8.71E+00
TRITIUM	3.40E+00	4.69E-01	1.32E-03	4.39E+01

TABLE 1.2 (PAGE 30 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 759

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	32084	TIME	1928
RELEASE COMPLETION	:	DATE	32084	TIME	2258
RELEASE DURATION	:	HRS.	3.50	MIN.	210.
TANK LEVEL [INCHES]	:	INITIAL	121.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3893700.	FINAL	3909850.
TOTAL VOLUME RELEASED	:	LITERS	6920.	GALS	1828.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1222555.	GALS	323000.
AVERAGE RELEASE RATE	:	LPM	32.95	GPM	8.71
AVERAGE BLOWDOWN RATE	:	LPM	5821.69	GPM	1538.09

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 33.067	32084	140	5.15E-08	4.90E-07	1.43E-01	0.00E-01	SD 429
B 33.068	32084	145	5.25E-08	4.36E-07	1.44E-01	0.00E-01	SD 430
E 7.030	32184	2200	3.46E-09	9.23E-09	7.07E-04		
G 9.012	32084	830	8.52E-09	9.29E-09	5.97E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	3.63E-07	5.25E-08	2.47E-10	N/A
GROSS BETA	3.39E-06	4.90E-07	2.71E-09	9.02E+00
TRITIUM	9.94E-01	1.44E-01	8.08E-04	2.69E+01

TABLE 1.2 (PAGE 31 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 760

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	32284	TIME	1905
RELEASE COMPLETION	:	DATE	32284	TIME	2300
RELEASE DURATION	:	HRS.	3.92	MIN.	235.
TANK LEVEL [INCHES]	:	INITIAL	130.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4113891.	FINAL	4137360.
TOTAL VOLUME RELEASED	:	LITERS	7579.	GALS	2002.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1776603.	GALS	469380.
AVERAGE RELEASE RATE	:	LPM	32.25	GPM	8.52
AVERAGE BLOWDOWN RATE	:	LPM	7560.02	GPM	1997.36

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 33.069	32284	1345	3.33E-08	8.45E-07	9.71E-02	0.00E-01	SD 444
B 33.070	32284	1350	3.33E-08	8.10E-07	9.46E-02	0.00E-01	SD 445
E 7.031	32284	2230	1.31E-08	2.32E-08	3.26E-04		
G 9.012	32084	830	8.52E-09	9.29E-09	5.97E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.52E-07	3.33E-08	1.05E-10	N/A
GROSS BETA	6.40E-06	8.45E-07	3.55E-09	1.18E+01
TRITIUM	7.36E-01	9.71E-02	4.12E-04	1.37E+01

TABLE 1.2 (PAGE 32 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 761

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 32684 TIME 1713
 RELEASE COMPLETION : DATE 32684 TIME 2100
 RELEASE DURATION : HRS. 3.78 MIN. 227.

TANK LEVEL [INCHES] : INITIAL 124.0 FINAL 15.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 4735170. FINAL 4760135.

TOTAL VOLUME RELEASED : LITERS 7183. GALS 1898.
 TOTAL VOLUME USED FOR RELEASE : LITERS 1889851. GALS 499300.

AVERAGE RELEASE RATE : LPM 31.64 GPM 8.36
 AVERAGE BLOWDOWN RATE : LPM 8325.33 GPM 2199.56

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 33.071	32684	530	2.90E-08	1.45E-07	3.07E-02	0.00E-01	SD 456
B 33.072	32684	535	2.90E-08	8.98E-08	3.12E-02	0.00E-01	SD 453
E 7.032	32684	1950	5.08E-09	8.58E-09	9.90E-05		
G 9.013	32784	1010	6.62E-09	1.22E-08	5.91E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.08E-07	2.90E-08	8.47E-11	N/A
GROSS BETA	1.04E-06	1.45E-07	5.02E-10	1.67E+00
TRITIUM	2.24E-01	3.12E-02	1.18E-04	3.94E+00

TABLE 1.2 (PAGE 33 OF 33)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 762

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	32984	TIME	2247
RELEASE COMPLETION	:	DATE	33084	TIME	300
RELEASE DURATION	:	HRS.	4.22	MIN.	253.
TANK LEVEL [INCHES]	:	INITIAL	126.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	5244570.	FINAL	5272170.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2089320.	GALS	552000.
AVERAGE RELEASE RATE	:	LPM	28.65	GPM	7.57
AVERAGE BLOWDOWN RATE	:	LPM	8258.18	GPM	2181.82

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 33.073	32984	1033	2.68E-08	6.38E-07	3.24E-02	0.00E-01	SD 468
B 33.074	32984	1039	2.68E-08	6.35E-07	3.21E-02	0.00E-01	SD 470
E 7.033	33084	215	3.86E-09	7.95E-09	1.01E-04		
G 9.013	32784	1010	6.62E-09	1.22E-08	5.91E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.94E-07	2.68E-08	6.98E-11	N/A
GROSS BETA	4.63E-06	6.38E-07	2.16E-09	7.22E+00
TRITIUM	2.35E-01	3.24E-02	1.12E-04	3.73E+00

LIQUID WASTE SUMMARY FOR RELEASES 730 THROUGH 762

REPORT PERIOD OF 1st QUARTER, 1984

AVG. GROSS ALPHA ACT. BEFORE DILUTION:	4.01E-08	UCI/ML
AVG. GROSS ALPHA ACT. AFTER DILUTION :	1.02E-10	UCI/ML
TOTAL GROSS ALPHA ACTIVITY :	9.24E-06	CURIES
AVG. GROSS BETA ACT. BEFORE DILUTION :	1.63E-06	UCI/ML
AVG. GROSS BETA ACT. AFTER DILUTION :	4.56E-09	UCI/ML
TOTAL GROSS BETA ACTIVITY :	3.53E-04	CURIES
AVG. TRITIUM ACT. BEFORE DILUTION :	1.28E-01	UCI/ML
AVG. TRITIUM ACT. AFTER DILUTION :	3.22E-04	UCI/ML
TOTAL TRITIUM ACTIVITY :	2.87E+01	CURIES
AVG. DIS. NOBLE ACT. BEFORE DILUTION :	3.75E-07	UCI/ML
AVG. DIS. NOBLE ACT. AFTER DILUTION :	1.14E-09	UCI/ML
TOTAL DISOLVED GAS ACTIVITY :	1.47E-05	CURIES
TOTAL VOLUME OF WASTE RELEASED :	2.33E+05	LITERS
TOTAL VOLUME USED FOR DILUTION :	7.44E+07	LITERS
AVG. 133XE ACT. BEFORE DILUTION :	3.75E-07	UCI/ML
AVG. 133XE ACT. AFTER DILUTION :	1.14E-09	UCI/ML
TOTAL 133XE ACTIVITY RELEASED :	1.47E-05	CURIES
AVG. 60CO ACT. BEFORE DILUTION :	9.53E-08	UCI/ML
AVG. 60CO ACT. AFTER DILUTION :	2.99E-10	UCI/ML
TOTAL 60CO ACTIVITY RELEASED :	9.03E-06	CURIES
AVG. 131I ACT. BEFORE DILUTION :	3.38E-08	UCI/ML
AVG. 131I ACT. AFTER DILUTION :	1.15E-10	UCI/ML
TOTAL 131I ACTIVITY RELEASED :	5.19E-07	CURIES
AVG. 137CS ACT. BEFORE DILUTION :	4.18E-08	UCI/ML
AVG. 137CS ACT. AFTER DILUTION :	1.42E-10	UCI/ML
TOTAL 137CS ACTIVITY RELEASED :	1.66E-06	CURIES
AVG. 59FE ACT. BEFORE DILUTION :	8.59E-08	UCI/ML
AVG. 59FE ACT. AFTER DILUTION :	3.12E-10	UCI/ML
TOTAL 59FE ACTIVITY RELEASED :	1.03E-06	CURIES
AVG. 35S ACT. BEFORE DILUTION :	2.84E-05	UCI/ML
AVG. 35S ACT. AFTER DILUTION :	4.42E-08	UCI/ML
TOTAL 35S ACTIVITY RELEASED :	1.80E-04	CURIES

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

1st QUARTER 1984

TURBINE BUILDING SUMP

	MONTH	JAN	FEB	MAR	QUARTERLY TOTAL
VOLUME	LITERS	2.73E+06	1.87E+06	2.81E+06	7.41E+06
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	6.36E-05	3.67E-05	7.89E-05	5.97E-05*
	TOTAL CURIES	1.74E-01	6.88E-02	2.22E-01	4.42E-01
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci/ml}$	8.15E-08	8.61E-08	8.66E-08	8.48E-08*
	TOTAL CURIES	2.23E-04	1.61E-04	2.43E-04	6.28E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.09E-08	2.69E-08	2.51E-08	2.43E-08*
	TOTAL CURIES	5.71E-05	5.04E-05	7.05E-05	1.80E-04

REACTOR BUILDING SUMP

	MONTH	JAN	FEB	MAR	QUARTERLY TOTAL
VOLUME	LITERS	1.31E+06	1.30E+06	1.09E+06	3.70E+06
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	2.89E-04	4.54E-04	5.09E-04	4.04E-04*
	TOTAL CURIES	3.80E-01	5.89E-01	5.55E-01	1.49E+00
GROSS $\beta\gamma$	AVERAGE $\mu\text{Ci/ml}$	8.54E-08	9.47E-08	8.74E-08	8.90E-08*
	TOTAL CURIES	1.12E-04	1.23E-04	9.52E-05	3.29E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.14E-08	2.66E-08	2.42E-08	2.39E-08*
	TOTAL CURIES	2.81E-05	3.45E-05	2.64E-05	8.84E-05

* Represents "weighted" average

TABLE 2.1 - RADIOACTIVE GASEOUS EFFLUENT RELEASES FOR 1st QUARTER, 1984

	UNITS	JAN	FEB	MAR	QUARTERLY TOTAL
1a. Total Noble Gases	Curies	8.25E+01	5.67E-03	3.86E-01	8.29E+01
1b. Total Tritium	Curies	3.08E-01	1.15E-01	1.18E-02	4.35E-01
1c. Total Halogens	Curies	NSA	NSA	NSA	NSA
1d. Total Particulate Gross (β , α) Activity RT-7325	Curies	8.47E-08	4.95E-08	9.27E-07	1.06E-06
1e. Total Particulate Gross Alpha Activity RT-7325	Curies	2.00E-08	1.66E-08	4.86E-08	8.52E-08
2. Maximum Hourly Release Rate for Any One Hour Period	Ci/hr	5.45E+00	4.29E-03	2.16E-02	5.45E+00
3. Estimated Total Radioac- tivity Released by Nu- clide					
Particulates	MPCa	Curies	NSA	NSA	NSA
Halogens	MPCa(μ Ci/ml)	Curies	NSA	NSA	NSA
131I	1.00E-10			5.41E-07	5.41E-07
Gases	MPCa(μ Ci/ml)	Curies			
3H	2.00E-07		3.08E-01	1.15E-01	1.18E-02
85Kr	3.00E-07		1.48E+00	NSA	2.58E-01
85Krm	1.00E-07		1.87E-01	NSA	NSA
87Kr	2.00E-08		5.71E-03	NSA	NSA
88Kr	2.00E-08		1.31E-01	NSA	NSA
131Xem	4.00E-07		1.48E+00	NSA	6.22E-02
133Xe	3.00E-07		7.68E+01	5.67E-03	6.63E-02
133Xem	3.00E-07		1.36E+00	NSA	NSA
135Xe	1.00E-07		1.09E+00	NSA	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 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1089

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 1 184 TIME 1143
 RELEASE COMPLETION : DATE 1 184 TIME 2250
 RELEASE DURATION : HRS. 11.12 OR MIN. 667.
 TANK PRESSURE [PSIG] : INITIAL 450 FINAL 50
 TANK TEMPERATURE : DEG-F 72
 AVERAGE RELEASE RATE : CFM 26.51
 TOTAL VOLUME OF GAS RELEASED : SCC 5.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.002 TRITIUM 35.002

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.56E-05	2.00E-07	2.78E+02	2.78E-02
133XE	1.14E-01	3.00E-07	3.80E+05	5.71E+01
131XEM	2.27E-03	4.00E-07	5.68E+03	1.14E+00
133XEM	2.25E-03	3.00E-07	7.50E+03	1.13E+00
135XE	4.07E-05	1.00E-07	4.07E+02	2.04E-02
85KR	2.33E-03	3.00E-07	7.77E+03	1.17E+00

TOTAL CURIES OF NOBEL GAS RELEASED : 6.05E+01

ACTIVITY RELEASED RATE : CI/HR 5.45E+00 UCI/SEC 1.51E+03

PERCENT OF TECH. SPEC. LIMIT : 16.75 %

TABLE 2.2 (PAGE 2 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1090

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 1 284 TIME 1305

RELEASE COMPLETION : DATE 1 284 TIME 2004

RELEASE DURATION : HRS. 6.98 OR MIN. 419.

TANK PRESSURE [PSIG] : INITIAL 355 FINAL 10

TANK TEMPERATURE : DEG-F 77

AVERAGE RELEASE RATE : CFM 36.06

TOTAL VOLUME OF GAS RELEASED : SCC 4.28E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 99

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.003 TRITIUM 35.003

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.91E-04	2.00E-07	1.95E+03	1.67E-01
133XE	7.74E-03	3.00E-07	2.58E+04	3.31E+00
85KRM	6.19E-06	1.00E-07	6.19E+01	2.65E-03
133XEM	7.34E-05	3.00E-07	2.45E+02	3.14E-02
135XE	7.68E-05	1.00E-07	7.68E+02	3.29E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 3.38E+00

ACTIVITY RELEASED RATE : CI/HR 5.08E-01 UCI/SEC 1.41E+02

PERCENT OF TECH. SPEC. LIMIT : 1.64 %

TABLE 2.2 (PAGE 3 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1091

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 1 484 TIME 1815
 RELEASE COMPLETION : DATE 1 584 TIME 155

RELEASE DURATION : HRS. 7.67 OR MIN. 460.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 5

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 39.74

TOTAL VOLUME OF GAS RELEASED : SCC 5.18E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 101
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.004 TRITIUM 35.004

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.70E-06	2.00E-07	4.35E+01	4.50E-03
133XE	2.41E-02	3.00E-07	8.03E+04	1.25E+01
131XEM	6.42E-04	4.00E-07	1.61E+03	3.32E-01
133XEM	2.64E-04	3.00E-07	8.80E+02	1.37E-01
135XE	1.67E-05	1.00E-07	1.67E+02	8.64E-03
85KR	6.07E-04	3.00E-07	2.02E+03	3.14E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 1.33E+01

ACTIVITY RELEASED RATE : CI/HR 1.73E+00 UCI/SEC 4.81E+02

PERCENT OF TECH. SPEC. LIMIT : 5.32 %

TABLE 2.2 (PAGE 4 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1092

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 1 584 TIME 1313

RELEASE COMPLETION : DATE 1 584 TIME 2215

RELEASE DURATION : HRS. 9.03 OR MIN. 542.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 25

TANK TEMPERATURE : DEG-F 75

AVERAGE RELEASE RATE : CFM 34.47

TOTAL VOLUME OF GAS RELEASED : SCC 5.29E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.005 TRITIUM 35.005

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.83E-05	2.00E-07	9.17E+01	9.71E-03
133XE	2.08E-03	3.00E-07	6.93E+03	1.10E+00
85KRM	2.51E-05	1.00E-07	2.51E+02	1.33E-02
131XEM	2.14E-05	4.00E-07	5.35E+01	1.13E-02
88KR	1.65E-05	2.00E-08	8.25E+02	8.73E-03
133XEM	1.80E-05	3.00E-07	6.00E+01	9.52E-03
135XE	1.52E-04	1.00E-07	1.52E+03	8.04E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.22E+00

ACTIVITY RELEASED RATE : CI/HR 1.37E-01 UCI/SEC 3.79E+01

PERCENT OF TECH. SPEC. LIMIT : 0.53 %

TABLE 2.2 (PAGE 5 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1093

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 1 684 TIME 1602

RELEASE COMPLETION : DATE 1 784 TIME 405

RELEASE DURATION : HRS. 12.05 OR MIN. 723.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 75

AVERAGE RELEASE RATE : CFM 25.54

TOTAL VOLUME OF GAS RELEASED : SCC 5.23E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.006 TRITIUM 35.006

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.53E-05	2.00E-07	1.26E+02	1.32E-02
133XE	1.62E-03	3.00E-07	5.40E+03	8.47E-01
85KRM	1.98E-05	1.00E-07	1.98E+02	1.04E-02
88KR	1.24E-05	2.00E-08	6.20E+02	6.48E-03
133XEM	1.45E-05	3.00E-07	4.83E+01	7.58E-03
135XE	1.36E-04	1.00E-07	1.36E+03	7.11E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 9.43E-01

ACTIVITY RELEASED RATE : CI/HR 7.93E-02 UCI/SEC 2.20E+01

PERCENT OF TECH. SPEC. LIMIT : 0.31 %

TABLE 2.2 (PAGE 6 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1094

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 1 884 TIME 325
 RELEASE COMPLETION : DATE 1 884 TIME 1350
 RELEASE DURATION : HRS. 10.42 OR MIN. 625.
 TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 29.82
 TOTAL VOLUME OF GAS RELEASED : SCC 5.28E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 102
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.007 TRITIUM 35.007

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.19E-06	2.00E-07	2.59E+01	2.74E-03
133XE	4.77E-04	3.00E-07	1.59E+03	2.52E-01
85KRM	6.54E-07	1.00E-07	6.54E+00	3.45E-04
133XEM	6.99E-06	3.00E-07	2.33E+01	3.69E-03
135XE	2.03E-05	1.00E-07	2.03E+02	1.07E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.66E-01

ACTIVITY RELEASED RATE : CI/HR 2.58E-02 UCI/SEC 7.18E+00

PERCENT OF TECH. SPEC. LIMIT : 0.09 %

TABLE 2.2 (PAGE 7 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1095

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 1 984 TIME 324
 RELEASE COMPLETION : DATE 1 984 TIME 1546

RELEASE DURATION : HRS. 12.37 OR MIN. 742.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 0

TANK TEMPERATURE : DEG-F 75

AVERAGE RELEASE RATE : CFM 24.88

TOTAL VOLUME OF GAS RELEASED : SCC 5.23E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 102
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.008 TRITIUM 35.008

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.35E-06	2.00E-07	2.67E+01	2.80E-03
133XE	1.07E-03	3.00E-07	3.57E+03	5.59E-01
85KRM	1.67E-06	1.00E-07	1.67E+01	8.73E-04
133XEM	5.65E-06	3.00E-07	1.88E+01	2.95E-03
135XE	1.82E-05	1.00E-07	1.82E+02	9.52E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 5.73E-01

ACTIVITY RELEASED RATE : CI/HR 4.65E-02 UCI/SEC 1.29E+01

PERCENT OF TECH. SPEC. LIMIT : 0.15 %

TABLE 2.2 (PAGE 8 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1096

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11084 TIME 335

RELEASE COMPLETION : DATE 11084 TIME 1800

RELEASE DURATION : HRS. 14.42 OR MIN. 865.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 21.47

TOTAL VOLUME OF GAS RELEASED : SCC 5.26E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 101

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.009 TRITIUM 35.009

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.55E-06	2.00E-07	4.27E+01	4.49E-03
133XE	2.03E-04	3.00E-07	6.77E+02	1.07E-01
85KRM	3.76E-05	1.00E-07	3.76E+02	1.98E-02
88KR	2.63E-05	2.00E-08	1.32E+03	1.38E-02
133XEM	9.65E-06	3.00E-07	3.22E+01	5.07E-03
135XE	1.91E-04	1.00E-07	1.91E+03	1.00E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.46E-01

ACTIVITY RELEASED RATE : CI/HR 1.74E-02 UCI/SEC 4.82E+00

PERCENT OF TECH. SPEC. LIMIT : 0.15 %

TABLE 2.2 (PAGE 9 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1097

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11184 TIME 202

RELEASE COMPLETION : DATE 11184 TIME 1405

RELEASE DURATION : HRS. 12.05 OR MIN. 723.

TANK PRESSURE [PSI@] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 25.59

TOTAL VOLUME OF GAS RELEASED : SCC 5.24E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.010 TRITIUM 35.010

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.89E-06	2.00E-07	3.45E+01	3.61E-03
133XE	1.89E-04	3.00E-07	6.30E+02	9.90E-02
85KRM	3.29E-05	1.00E-07	3.29E+02	1.72E-02
88KR	1.85E-05	2.00E-08	9.25E+02	9.69E-03
133XEM	9.30E-06	3.00E-07	3.10E+01	4.87E-03
135XE	1.87E-04	1.00E-07	1.87E+03	9.80E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.29E-01

ACTIVITY RELEASED RATE : CI/HR 1.93E-02 UCI/SEC 5.36E+00

PERCENT OF TECH. SPEC. LIMIT : 0.15 %

TABLE 2.2 (PAGE 10 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1098

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 11284 TIME 148
 RELEASE COMPLETION : DATE 11284 TIME 1920
 RELEASE DURATION : HRS. 17.53 OR MIN. 1052.
 TANK PRESSURE [PSIG] : INITIAL 440 FINAL 8
 TANK TEMPERATURE : DEG-F 72
 AVERAGE RELEASE RATE : CFM 18.16
 TOTAL VOLUME OF GAS RELEASED : SCC 5.41E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 101
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "D"
 RC-NUMBER : GRAB 34.011 TRITIUM 35.011

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.26E-06	2.00E-07	2.13E+01	2.30E-03
133XE	1.56E-04	3.00E-07	5.20E+02	8.44E-02
85KRM	1.34E-05	1.00E-07	1.34E+02	7.25E-03
88KR	5.80E-06	2.00E-08	2.90E+02	3.14E-03
133XEM	6.56E-06	3.00E-07	2.19E+01	3.55E-03
135XE	9.50E-05	1.00E-07	9.50E+02	5.14E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.50E-01

ACTIVITY RELEASED RATE : CI/HR 8.67E-03 UCI/SEC 2.41E+00

PERCENT OF TECH. SPEC. LIMIT : 0.06 %

TABLE 2.2 (PAGE 11 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1099

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11384 TIME 307

RELEASE COMPLETION : DATE 11384 TIME 1515

RELEASE DURATION : HRS. 12.13 OR MIN. 728.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 5

TANK TEMPERATURE : DEG-F 75

AVERAGE RELEASE RATE : CFM 25.67

TOTAL VOLUME OF GAS RELEASED : SCC 5.29E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 102

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.012 TRITIUM 35.012

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.16E-06	2.00E-07	3.58E+01	3.79E-03
133XE	1.48E-05	3.00E-07	4.93E+01	7.83E-03
85KRM	3.95E-06	1.00E-07	3.95E+01	2.09E-03
88KR	3.74E-06	2.00E-08	1.87E+02	1.98E-03
133XEM	8.65E-07	3.00E-07	2.88E+00	4.58E-04
135XE	1.55E-05	1.00E-07	1.55E+02	8.20E-03
87KR	2.85E-07	2.00E-08	1.43E+01	1.51E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 2.07E-02

ACTIVITY RELEASED RATE : CI/HR 2.02E-03 UCI/SEC 5.61E-01

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 12 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1100

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 11484 TIME 324
 RELEASE COMPLETION : DATE 11484 TIME 1355
 RELEASE DURATION : HRS. 10.52 OR MIN. 631
 TANK PRESSURE [PSIG] : INITIAL 450 FINAL 22
 TANK TEMPERATURE : DEG-F 72
 AVERAGE RELEASE RATE : CFM 29.99
 TOTAL VOLUME OF GAS RELEASED : SCC 5.36E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "D"
 RC-NUMBER : GRAB 34.013 TRITIUM 35.013

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.85E-06	2.00E-07	1.93E+01	2.06E-03
133XE	1.91E-04	3.00E-07	6.37E+02	1.02E-01
85KRM	1.48E-05	1.00E-07	1.48E+02	7.93E-03
88KR	5.45E-06	2.00E-08	2.73E+02	2.92E-03
133XEM	7.61E-06	3.00E-07	2.54E+01	4.08E-03
135XE	1.22E-04	1.00E-07	1.22E+03	6.54E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.83E-01

ACTIVITY RELEASED RATE : CI/HR 1.76E-02 UCI/SEC 4.88E+00

PERCENT OF TECH. SPEC. LIMIT : 0.11 %

TABLE 2.2 (PAGE 13 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1101

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11584 TIME 1115

RELEASE COMPLETION : DATE 11584 TIME 2010

RELEASE DURATION : HRS. 8.92 OR MIN. 535.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 40

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 32.52

TOTAL VOLUME OF GAS RELEASED : SCC 4.93E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 99

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.014 TRITIUM 35.014

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.26E-05	2.00E-07	6.31E+01	6.22E-03
133XE	2.04E-04	3.00E-07	6.80E+02	1.00E-01
85KRM	4.52E-05	1.00E-07	4.52E+02	2.23E-02
89KR	3.28E-05	2.00E-08	1.64E+03	1.62E-02
133XEM	8.46E-06	3.00E-07	2.82E+01	4.17E-03
135XE	2.05E-04	1.00E-07	2.05E+03	1.01E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.44E-01

ACTIVITY RELEASED RATE : CI/HR 2.81E-02 UCI/SEC 7.80E+00

PERCENT OF TECH. SPEC. LIMIT : 0.25 %

TABLE 2.2 (PAGE 14 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1102

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11684 TIME 125
 RELEASE COMPLETION : DATE 11684 TIME 1401

RELEASE DURATION : HRS. 12.60 OR MIN. 756.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 11

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 24.10

TOTAL VOLUME OF GAS RELEASED : SCC 5.16E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.015 TRITIUM 35.015

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.84E-06	2.00E-07	3.42E+01	3.53E-03
133XE	2.04E-04	3.00E-07	6.80E+02	1.05E-01
85KRM	2.81E-05	1.00E-07	2.81E+02	1.45E-02
88KR	1.65E-05	2.00E-08	8.25E+02	8.51E-03
133XEM	9.47E-06	3.00E-07	3.16E+01	4.89E-03
135XE	1.51E-04	1.00E-07	1.51E+03	7.79E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.11E-01

ACTIVITY RELEASED RATE : CI/HR 1.70E-02 UCI/SEC 4.73E+00

PERCENT OF TECH. SPEC. LIMIT : 0.13 %

TABLE 2.2 (PAGE 15 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1103

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 11784 TIME 119

RELEASE COMPLETION : DATE 11784 TIME 1350

RELEASE DURATION : HRS. 12.52 OR MIN. 751.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 5

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 25.02

TOTAL VOLUME OF GAS RELEASED : SCC 5.32E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 100

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.016 TRITIUM 35.016

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.31E-06	2.00E-07	4.15E+01	4.42E-03
133XE	2.18E-04	3.00E-07	7.27E+02	1.16E-01
85KRM	4.04E-05	1.00E-07	4.04E+02	2.15E-02
88KR	2.74E-05	2.00E-08	1.37E+03	1.46E-02
133XEM	8.81E-06	3.00E-07	2.94E+01	4.69E-03
135XE	1.92E-04	1.00E-07	1.92E+03	1.02E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.59E-01

ACTIVITY RELEASED RATE : CI/HR 2.10E-02 UCI/SEC 5.84E+00

PERCENT OF TECH. SPEC. LIMIT : 0.18 %

TABLE 2.2 (PAGE 16 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1104

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 11884 TIME 5

RELEASE COMPLETION : DATE 11884 TIME 1300

RELEASE DURATION : HRS. 12.92 OR MIN. 775.

TANK PRESSURE [PSIG] : INITIAL 400 FINAL 12

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 22.22

TOTAL VOLUME OF GAS RELEASED : SCC 4.88E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.017 TRITIUM 35.017

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.14E-06	2.00E-07	2.07E+01	2.02E-03
133XE	2.22E-04	3.00E-07	7.40E+02	1.08E-01
85KRM	7.77E-05	1.00E-07	7.77E+02	3.79E-02
88KR	8.57E-05	2.00E-08	4.29E+03	4.18E-02
133XEM	6.05E-06	3.00E-07	2.02E+01	2.95E-03
135XE	2.81E-04	1.00E-07	2.81E+03	1.37E-01
87KR	1.14E-05	2.00E-08	5.70E+02	5.56E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 3.33E-01

ACTIVITY RELEASED RATE : CI/HR 2.60E-02 UCI/SEC 7.21E+00

PERCENT OF TECH. SPEC. LIMIT : 0.32 %

TABLE 2.2 (PAGE 17 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1105

RELEASE MADE FROM	:	TANK	T-6304		
RELEASE START	:	DATE	11984	TIME	350
RELEASE COMPLETION	:	DATE	11984	TIME	1440
RELEASE DURATION	:	HRS.	10.83	OR MIN.	650.
TANK PRESSURE [PSIG]	:	INITIAL	400	FINAL	15
TANK TEMPERATURE	:	DEG-F	70		
AVERAGE RELEASE RATE	:	CFM	26.29		
TOTAL VOLUME OF GAS RELEASED	:	SCC	4.84E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	94		
EXHAUST FLOW RATE	:	ACFM	30000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"G"		
RC-NUMBER	:	GRAB	34.018	TRITIUM	35.018

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.77E-06	2.00E-07	2.39E+01	2.31E-03
133XE	1.50E-04	3.00E-07	5.00E+02	7.26E-02
85KRM	8.43E-06	1.00E-07	8.43E+01	4.08E-03
88KR	4.70E-06	2.00E-08	2.35E+02	2.27E-03
133XEM	1.03E-05	3.00E-07	3.43E+01	4.98E-03
135XE	9.62E-05	1.00E-07	9.62E+02	4.65E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.30E-01

ACTIVITY RELEASED RATE	:	CI/HR	1.23E-02	UCI/SEC	3.40E+00
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PERCENT OF TECH. SPEC. LIMIT	:	0.08 %
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TABLE 2.2 (PAGE 18 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 11J6

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12084 TIME 248

RELEASE COMPLETION : DATE 12084 TIME 1415

RELEASE DURATION : HRS. 11.45 OR MIN. 687.

TANK PRESSURE [PSIG] : INITIAL 380 FINAL 18

TANK TEMPERATURE : DEG-F 66

AVERAGE RELEASE RATE : CFM 23.56

TOTAL VOLUME OF GAS RELEASED : SCC 4.58E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.019 TRITIUM 35.019

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.09E-06	2.00E-07	2.04E+01	1.87E-03
133XE	1.11E-04	3.00E-07	3.70E+02	5.09E-02
85KRM	4.38E-06	1.00E-07	4.38E+01	2.01E-03
135XE	5.31E-05	1.00E-07	5.31E+02	2.43E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 7.72E-02

ACTIVITY RELEASED RATE : CI/HR 6.91E-03 UCI/SEC 1.92E+00

PERCENT OF TECH. SPEC. LIMIT : 0.04 %

TABLE 2.2 (PAGE 19 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1107

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 12084 TIME 1956

RELEASE COMPLETION : DATE 12184 TIME 520

RELEASE DURATION : HRS. 9.40 OR MIN. 564.

TANK PRESSURE [PSIG] : INITIAL 385 FINAL 12

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 29.40

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 "G"

RC-NUMBER : GRAB 34.020 TRITIUM 35.020

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	1.75E-03
133XE	9.95E-05	3.00E-07	3.32E+02	4.67E-02
85KRM	4.34E-06	1.00E-07	4.34E+01	2.04E-03
88KR	1.21E-06	2.00E-08	6.05E+01	5.68E-04
135XE	4.17E-05	1.00E-07	4.17E+02	1.96E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 6.89E-02

ACTIVITY RELEASED RATE : CI/HR 7.52E-03 UCI/SEC 2.09E+00

PERCENT OF TECH. SPEC. LIMIT : 0.04 %

TABLE 2.2 (PAGE 20 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1108

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12184 TIME 1537
 RELEASE COMPLETION : DATE 12184 TIME 2230

RELEASE DURATION : HRS. 6.88 OR MIN. 413.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 60

TANK TEMPERATURE : DEG-F 55

AVERAGE RELEASE RATE : CFM 43.13

TOTAL VOLUME OF GAS RELEASED : SCC 5.04E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 85
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.021 TRITIUM 35.021

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.14E-06	2.00E-07	1.57E+01	1.58E-03
133XE	9.63E-05	3.00E-07	3.21E+02	4.86E-02
85KRM	9.41E-07	1.00E-07	9.41E+00	4.75E-04
135XE	3.30E-05	1.00E-07	3.30E+02	1.66E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 6.57E-02

ACTIVITY RELEASED RATE : CI/HR 9.77E-03 UCI/SEC 2.71E+00

PERCENT OF TECH. SPEC. LIMIT : 0.05 %

TABLE 2.2 (PAGE 21 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1109

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 12284 TIME 410

RELEASE COMPLETION : DATE 12284 TIME 1355

RELEASE DURATION : HRS. 9.75 OR MIN. 585.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 20

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 31.22

TOTAL VOLUME OF GAS RELEASED : SCC 5.17E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.022 TRITIUM 35.022

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.62E-06	2.00E-07	1.31E+01	1.35E-03
133XE	8.71E-05	3.00E-07	2.90E+02	4.50E-02
135XE	8.56E-06	1.00E-07	8.56E+01	4.43E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 4.95E-02

ACTIVITY RELEASED RATE : CI/HR 5.21E-03 UCI/SEC 1.45E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 22 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1110

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12284 TIME 1810

RELEASE COMPLETION : DATE 12384 TIME 310

RELEASE DURATION : HRS. 9.00 OR MIN. 540.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 30

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 33.57

TOTAL VOLUME OF GAS RELEASED : SCC 5.13E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 89

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.023 TRITIUM 35.023

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.64E-06	2.00E-07	1.32E+01	1.36E-03
133XE	8.38E-05	3.00E-07	2.79E+02	4.30E-02
135XE	6.59E-06	1.00E-07	6.59E+01	3.38E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 4.64E-02

ACTIVITY RELEASED RATE : CI/HR 5.31E-03 UCI/SEC 1.47E+00

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 23 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1111

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 12484 TIME 1748
 RELEASE COMPLETION : DATE 12584 TIME 950
 RELEASE DURATION : HRS. 16.03 OR MIN. 962.
 TANK PRESSURE [PSIG] : INITIAL 440 FINAL 5
 TANK TEMPERATURE : DEG-F 65
 AVERAGE RELEASE RATE : CFM 20.26
 TOTAL VOLUME OF GAS RELEASED : SCC 5.52E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 87
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.024 TRITIUM 35.024

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.88E-05	2.00E-07	2.94E+02	3.24E-02
133XE	2.41E-03	3.00E-07	8.03E+01	1.33E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.33E-02

ACTIVITY RELEASED RATE : CI/HR 2.85E-03 UCI/SEC 7.92E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 24 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1112

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 12684 TIME 2013

RELEASE COMPLETION : DATE 12784 TIME 1545

RELEASE DURATION : HRS. 19.53 OR MIN. 1172.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 20

TANK TEMPERATURE : DEG-F 64

AVERAGE RELEASE RATE : CFM 16.47

TOTAL VOLUME OF GAS RELEASED : SCC 5.47E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.025 TRITIUM 35.025

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.61E-06	2.00E-07	1.30E+01	1.43E-03
133XE	8.05E-06	3.00E-07	2.68E+01	4.40E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 4.40E-03

ACTIVITY RELEASED RATE : CI/HR 2.98E-04 UCI/SEC 8.28E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 25 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1113

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 12984 TIME 1425
 RELEASE COMPLETION : DATE 13084 TIME 940
 RELEASE DURATION : HRS. 19.25 OR MIN. 1155.
 TANK PRESSURE [PSIG] : INITIAL 470 FINAL 8
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 17.75
 TOTAL VOLUME OF GAS RELEASED : SCC 5.81E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 87
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.026 TRITIUM 35.026

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.94E-06	2.00E-07	1.97E+01	2.29E-03
133XE	3.30E-06	3.00E-07	1.10E+01	1.92E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.92E-03

ACTIVITY RELEASED RATE : CI/HR 2.18E-04 UCI/SEC 6.06E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 26 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1114

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 13184 TIME 1805

RELEASE COMPLETION : DATE 2 184 TIME 1401

RELEASE DURATION : HRS. 19.93 OR MIN. 1196.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 10

TANK TEMPERATURE : DEG-F 68

AVERAGE RELEASE RATE : CFM 16.02

TOTAL VOLUME OF GAS RELEASED : SCC 5.42E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 84

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.027 TRITIUM 35.027

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	1.19E-03
133XE	2.36E-06	3.00E-07	7.87E+00	1.28E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.28E-03

ACTIVITY RELEASED RATE : CI/HR 1.24E-04 UCI/SEC 3.44E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 27 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1115

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 2 284 TIME 2310
 RELEASE COMPLETION : DATE 2 384 TIME 1713
 RELEASE DURATION : HRS. 18.05 OR MIN. 1083.
 TANK PRESSURE [PSIG] : INITIAL 375 FINAL 5
 TANK TEMPERATURE : DEG-F 75
 AVERAGE RELEASE RATE : CFM 15.02
 TOTAL VOLUME OF GAS RELEASED : SCC 4.61E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 84
 EXHAUST FLOW RATE : ACFM 28000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.028 TRITIUM 35.028

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.11E-06	2.00E-07	5.55E+00	5.11E-04
133XE	1.70E-06	3.00E-07	5.67E+00	7.83E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 7.83E-04

ACTIVITY RELEASED RATE : CI/HR 7.17E-05 UCI/SEC 1.99E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 28 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1116

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 2 684 TIME 1228

RELEASE COMPLETION : DATE 2 784 TIME 533

RELEASE DURATION : HRS. 17.08 OR MIN. 1025.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 25

TANK TEMPERATURE : DEG-F 60

AVERAGE RELEASE RATE : CFM 18.75

TOTAL VOLUME OF GAS RELEASED : SCC 5.44E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 84

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.029 TRITIUM 35.029

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY 'PC(A)	TOTAL CURIES
3H	2.64E-06	2.00E-07	3.32E+01	1.44E-03
133XE	1.37E-06	3.00E-07	4.57E+00	7.46E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 7.46E-04

ACTIVITY RELEASED RATE : CI/HR 1.28E-04 UCI/SEC 3.55E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 29 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1117

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 2 884 TIME 1515
 RELEASE COMPLETION : DATE 2 984 TIME 553
 RELEASE DURATION : HRS. 14.63 OR MIN. 37E.
 TANK PRESSURE [PSIQ] : INITIAL 420 FINAL 25
 TANK TEMPERATURE : DEG-F 62
 AVERAGE RELEASE RATE : CFM 20.27
 TOTAL VOLUME OF GAS RELEASED : SCC 5.04E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 84
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "A"
 RC-NUMBER : GRAB 34.030 TRITIUM 35.030

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.52E-06	2.00E-07	1.26E+01	1.27E-03
133XE	1.24E-06	3.00E-07	4.13E+00	6.25E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 6.25E-04

ACTIVITY RELEASED RATE : CI/HR 1.29E-04 UCI/SEC 3.59E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 30 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1118

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 2 984 TIME 1715

RELEASE COMPLETION : DATE 21084 TIME 557

RELEASE DURATION : HRS. 12.70 OR MIN. 762.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 30

TANK TEMPERATURE : DEG-F 62

AVERAGE RELEASE RATE : CFM 23.65

TOTAL VOLUME OF GAS RELEASED : SCC 5.10E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 89

EXHAUST FLOW RATE : ACFM 29000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.031 TRITIUM 35.031

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.32E-06	2.00E-07	1.16E+01	1.18E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 9.31E-05 UCI/SEC 2.59E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 31 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1119

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 21184 TIME 1110

RELEASE COMPLETION : DATE 21284 TIME 230

RELEASE DURATION : HRS. 15.33 OR MIN. 920.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10

TANK TEMPERATURE : DEG-F 62

AVERAGE RELEASE RATE : CFM 19.59

TOTAL VOLUME OF GAS RELEASED : SCC 5.10E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.032 TRITIUM 35.032

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.49E-06	2.00E-07	2.75E+01	2.80E-03
133XE	1.68E-06	3.00E-07	5.60E+00	8.57E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 8.57E-04

ACTIVITY RELEASED RATE : CI/HR 2.39E-04 UCI/SEC 6.63E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 32 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1120

RELEASE MADE FROM	:	TANK	T-6303		
RELEASE START	:	DATE	21284	TIME	1417
RELEASE COMPLETION	:	DATE	21384	TIME	155
RELEASE DURATION	:	HRS.	11.63	OR	MIN. 698.
TANK PRESSURE [PSIG]	:	INITIAL	430	FINAL	35
TANK TEMPERATURE	:	DEG-F	60		
AVERAGE RELEASE RATE	:	CFM	25.60		
TOTAL VOLUME OF GAS RELEASED	:	SCC	5.06E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	88		
EXHAUST FLOW RATE	:	ACFM	30000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"D"		
RC-NUMBER	:	GRAB	34.033	TRITIUM	35.033

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	1.11E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE	:	CI/HR	9.51E-05	UCI/SEC	2.64E-02
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PERCENT OF TECH. SPEC. LIMIT	:	< 0.01 %
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TABLE 2.2 (PAGE 33 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1121

RELEASE MADE FROM	:	TANK	T-6304		
RELEASE START	:	DATE	21584	TIME	2345
RELEASE COMPLETION	:	DATE	21684	TIME	1928
RELEASE DURATION	:	HRS.	19.72	OR MIN.	1183.
TANK PRESSURE [PSIG]	:	INITIAL	425	FINAL	5
TANK TEMPERATURE	:	DEG-F	64		
AVERAGE RELEASE RATE	:	CFM	15.94		
TOTAL VOLUME OF GAS RELEASED	:	SCC	5.34E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	88		
EXHAUST FLOW RATE	:	ACFM	30000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"E"		
RC-NUMBER	:	GRAB	34.034	TRITIUM	35.034

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.56E-04	2.00E-07	7.80E+02	8.33E-02
133XE	2.50E-06	3.00E-07	8.33E+00	1.33E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.33E-03

ACTIVITY RELEASED RATE	:	CI/HR	4.29E-03	UCI/SEC	1.19E+00
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PERCENT OF TECH. SPEC. LIMIT	:	0.02 %
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TABLE 2.2 (PAGE 34 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1122

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 21884 TIME 2044

RELEASE COMPLETION : DATE 21984 TIME 1952

RELEASE DURATION : HRS. 23.13 OR MIN. 1388.

TANK PRESSURE [PSI@] : INITIAL 400 FINAL 10

TANK TEMPERATURE : DEG-F 61

AVERAGE RELEASE RATE : CFM 12.68

TOTAL VOLUME OF GAS RELEASED : SCC 4.99E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 88

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.035 TRITIUM 35.035

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.33E-05	2.00E-07	1.17E+02	1.16E-02
133XE	1.87E-06	3.00E-07	6.23E+00	9.32E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 9.32E-04

ACTIVITY RELEASED RATE : CI/HR 5.43E-04 UCI/SEC 1.51E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 35 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1123

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 22284 TIME 1448

RELEASE COMPLETION : DATE 22384 TIME 750

RELEASE DURATION : HRS. 17.03 OR MIN. 1022.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 20

TANK TEMPERATURE : DEG-F 58

AVERAGE RELEASE RATE : CFM 17.33

TOTAL VOLUME OF GAS RELEASED : SCC 5.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90

EXHAUST FLOW RATE : ACFM 25000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.036 TRITIUM 35.036

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.03E-05	2.00E-07	1.01E+02	1.02E-02
133XE	7.87E-07	3.00E-07	2.62E+00	3.95E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 3.95E-04

ACTIVITY RELEASED RATE : CI/HR 6.20E-04 UCI/SEC 1.72E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 36 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1124

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 22684 TIME 1853
 RELEASE COMPLETION : DATE 22784 TIME 430
 RELEASE DURATION : HRS. 9.62 OR MIN. 577.
 TANK PRESSURE [PSIG] : INITIAL 335 FINAL 50
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 21.92
 TOTAL VOLUME OF GAS RELEASED : SCC 3.58E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91
 EXHAUST FLOW RATE : ACFM 27000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.037 TRITIUM 35.037

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.46E-06	2.00E-07	2.73E+01	1.95E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 2.03E-04 UCI/SEC 5.65E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 37 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1125

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 3 784 TIME 1434
 RELEASE COMPLETION : DATE 3 884 TIME 523
 RELEASE DURATION : HRS. 14.82 OR MIN. 889.
 TANK PRESSURE [PSI@] : INITIAL 365 FINAL 5
 TANK TEMPERATURE : DEG-F 67
 AVERAGE RELEASE RATE : CFM 18.07
 TOTAL VOLUME OF GAS RELEASED : SCC 4.55E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91
 EXHAUST FLOW RATE : ACFM 25000.
 STABILITY @ START OF RELEASE : CATAGORY "D"
 RC-NUMBER : GRAB 34.039 TRITIUM 35.038

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.11E-06	2.00E-07	1.06E+01	9.60E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 6.48E-05 UCI/SEC 1.80E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 38 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1126

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 31084 TIME 2127
 RELEASE COMPLETION : DATE 31184 TIME 330

RELEASE DURATION : HRS. 6.05 OR MIN. 363.

TANK PRESSURE [PSIG] : INITIAL 355 FINAL 100

TANK TEMPERATURE : DEG-F 60

AVERAGE RELEASE RATE : CFM 31.77

TOTAL VOLUME OF GAS RELEASED : SCC 3.27E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.040 TRITIUM 35.039

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.36E-06	2.03E-07	2.18E+01	1.42E-03
133XE	7.02E-07	3.00E-07	2.34E+00	2.29E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 2.29E-04

ACTIVITY RELEASED RATE : CI/HR 2.73E-04 UCI/SEC 7.59E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 39 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1127

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 31684 TIME 1817
 RELEASE COMPLETION : DATE 31784 TIME 1115

RELEASE DURATION : HRS. 16.97 OR MIN. 1018.

TANK PRESSURE [PSIG] : INITIAL 300 FINAL 60

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 10.46

TOTAL VOLUME OF GAS RELEASED : SCC 3.02E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97
 EXHAUST FLOW RATE : ACFM 28000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.041 TRITIUM 35.040

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.66E-05	2.00E-07	8.30E+01	5.01E-03
133XE	1.86E-04	3.00E-07	6.20E+02	5.61E-02
131XEM	1.60E-04	4.00E-07	4.00E+02	4.83E-02
85KR	8.54E-04	3.00E-07	2.85E+03	2.58E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 3.62E-01

ACTIVITY RELEASED RATE : CI/HR 2.16E-02 UCI/SEC 6.01E+00

PERCENT OF TECH. SPEC. LIMIT : 0.07 %

TABLE 2.2 (PAGE 40 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1128

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 31784 TIME 1645

RELEASE COMPLETION : DATE 31884 TIME 630

RELEASE DURATION : HRS. 13.75 OR MIN. 825.

TANK PRESSURE [PSIG] : INITIAL 375 FINAL 12

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 19.53

TOTAL VOLUME OF GAS RELEASED : SCC 4.56E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.042 TRITIUM 35.041

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.03E-06	2.00E-07	2.02E+01	1.84E-03
133XE	4.66E-06	3.00E-07	1.55E+01	2.13E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 2.13E-03

ACTIVITY RELEASED RATE : CI/HR 2.88E-04 UCI/SEC 8.01E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 41 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1129

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 32384 TIME 1833
 RELEASE COMPLETION : DATE 32484 TIME 550
 RELEASE DURATION : HRS. 11.28 OR MIN. 677.
 TANK PRESSURE [PSIG] : INITIAL 410 FINAL 35
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 24.58
 TOTAL VOLUME OF GAS RELEASED : SCC 4.71E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 25000.
 STABILITY @ START OF RELEASE : CATEGORY "E"
 RC-NUMBER : GRAB 34.043 TRITIUM 35.042

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.85E-06	2.00E-07	1.93E+01	1.82E-03
133XE	1.45E-05	3.00E-07	4.83E+01	6.83E-03
131XEM	2.95E-05	4.00E-07	7.38E+01	1.39E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.07E-02

ACTIVITY RELEASED RATE : CI/HR 2.00E-03 UCI/SEC 5.55E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 42 OF 42)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1130

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 32784 TIME 1810

RELEASE COMPLETION : DATE 32884 TIME 551

RELEASE DURATION : HRS. 11.68 OR MIN. 701.

TANK PRESSURE [PSIG] : INITIAL 405 FINAL 20

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 24.37

TOTAL VOLUME OF GAS RELEASED : SCC 4.84E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 26000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.044 TRITIUM 35.043

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.56E-06	2.00E-07	7.82E+00	7.56E-04
133XE	2.04E-06	3.00E-07	6.80E+00	9.87E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 9.87E-04

ACTIVITY RELEASED RATE : CI/HR 1.49E-04 UCI/SEC 4.15E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

GAS WASTE SUMMARY FOR RELEASE 1089 THROUGH 1130

REPORT PERIOD OF : 1ST QUARTER, 1984

ISOTOPE TOTAL CURIES

3H	4.35E-01
85KR	1.74E+00
85KRM	1.87E-01
87KR	5.71E-03
88KR	1.31E-01
131XEM	1.54E+00
133XE	7.69E+01
133XEM	1.36E+00
135XE	1.09E+00

TOTAL NOBEL GAS RELEASED : CURIES 8.29E+01

TOTAL TRITIUM RELEASED : CURIES 4.35E-01

MAXIMUM AVERAGE RELEASE RATE : CI/HR 5.45E+00

 : UCI/SEC 1.51E+03

TOTAL VOLUME GAS RELEASED : CC 2.08E+10

SYSTEM	ALPHA	BETA	TRITIUM	
FARM POND				
	3.77E-08	1.05E-07	1.17E-04	MAXIMUM
	1.20E-08	7.81E-08	8.54E-07	MINIMUM
	2.40E-08 (16)	8.73E-08 (16)	2.60E-05 (16)	AVERAGE
COOLING TOWER B/D-DURING				
	2.87E-08	6.76E-08	1.32E-03	MAXIMUM
	3.46E-09	7.95E-09	6.15E-07	MINIMUM
	1.15E-08 (33)	1.57E-08 (33)	3.12E-04 (33)	AVERAGE
COOLING TOWER B/D-AFTER				
	1.69E-08	3.02E-08	6.63E-05	MAXIMUM
	3.01E-09	8.61E-09	6.08E-07	MINIMUM
	9.75E-09 (14)	1.55E-08 (14)	9.79E-06 (14)	AVERAGE
COOLING TOWER B/D-WEEKLY				
	2.49E-08	2.61E-08	4.91E-06	MAXIMUM
	5.66E-09	5.09E-09	5.91E-07	MINIMUM
	1.09E-08 (13)	1.26E-08 (13)	1.15E-06 (13)	AVERAGE
REACTOR BLDG. SUMP				
	5.16E-08	2.31E-07	2.12E-03	MAXIMUM
	1.17E-08	7.39E-08	3.02E-05	MINIMUM
	2.39E-08 (84)	8.90E-08 (84)	4.04E-04 (84)	AVERAGE
TURBINE BLDG. SUMP				
	4.58E-08	9.97E-08	2.00E-04	MAXIMUM
	1.18E-08	7.30E-08	1.75E-05	MINIMUM
	2.43E-08 (39)	8.48E-08 (39)	5.97E-05 (39)	AVERAGE
SYSTEM 21, LOOP 1				
	2.13E-08	8.06E-08	1.31E-04	MAXIMUM
	2.13E-08	8.06E-08	1.31E-04	MINIMUM
	2.13E-08 (1)	8.06E-08 (1)	1.31E-04 (1)	AVERAGE
SYSTEM 21, Loop 2				
	2.71E-08	8.06E-08	1.33E-04	MAXIMUM
	2.13E-08	7.87E-08	1.32E-04	MINIMUM
	2.42E-08 (2)	7.96E-08 (2)	1.33E-04 (2)	AVERAGE
SYSTEM 31				
	2.65E-08	8.52E-08	1.51E-04	MAXIMUM
	1.19E-08	7.39E-08	1.14E-04	MINIMUM
	2.09E-08 (4)	7.94E-08 (4)	1.28E-04 (4)	AVERAGE

- NOTES: 1. All activities expressed in units of $\mu\text{Ci}/\text{ml}$
2. () Represents the number of samples represented by the average value.

SYSTEM	ALPHA	BETA	TRITIUM	
SYSTEM 41				MAXIMUM
				MINIMUM
	()	()	()	AVERAGE
SYSTEM 42				MAXIMUM
				MINIMUM
	()	()	()	AVERAGE
SYSTEM 46, LOOP 1				MAXIMUM
	2.71E-08	8.06E-08	2.72E-04	MINIMUM
	2.05E-08	7.39E-08	2.49E-04	AVERAGE
	2.32E-08 (4)	7.78E-08 (4)	2.58E-04 (4)	
SYSTEM 46, LOOP 2				MAXIMUM
	2.71E-08	5.07E-07	6.04E-03	MINIMUM
	2.05E-08	7.39E-08	1.37E-04	AVERAGE
	2.38E-08 (5)	1.64E-07 (5)	1.32E-03 (5)	
SYSTEM 47, LOOP 1				MAXIMUM
	2.71E-08	8.48E-08	3.14E-04	MINIMUM
	1.19E-08	7.80E-08	2.70E-04	AVERAGE
	2.04E-08 (4)	8.10E-08 (4)	2.92E-04 (4)	
SYSTEM 47, LOOP 2				MAXIMUM
	2.37E-08	8.22E-08	3.53E-02	MINIMUM
	1.19E-08	7.80E-08	1.63E-03	AVERAGE
	1.96E-08 (4)	8.03E-08 (4)	1.81E-02 (4)	

- NOTES: 1. All activities expressed in units of $\mu\text{Ci/ml}$
 2. () Represents the number of samples represented by the average value.

TABLE 1.1 - RADIOACTIVE LIQUID EFFLUENT RELEASES FOR 2nd QUARTER, 1984

	UNITS	APR	MAY	JUN	QUARTERLY TOTAL	
1. Gross Beta Radioactivity						
a) Total Release	Curies	1.18E-05	3.79E-06	1.18E-05	2.74E-05	
b) Avg. Conc. before Dilution	µCi/ml	2.23E-07	1.29E-07	1.38E-07	1.62E-07 *	
Avg Conc. Released	µCi/ml					
c) after Dilution	above bkgd	9.57E-10	4.75E-10	5.01E-10	6.35E-10 *	
2. Tritium						
a) Total Release	Curies	6.01E-01	1.71E+00	2.06E+00	4.37E+00	
b) Avg. Conc. before Dilution	µCi/ml	1.14E-02	5.86E-02	2.42E-02	2.63E-02 *	
Avg Conc. Released	µCi/ml					
c) after Dilution	above bkgd	5.09E-05	2.29E-04	9.82E-05	1.06E-04 *	
3. Dissolved Noble Gases						
a) Total Release	Curies	0.00E-01	0.00E-01	5.81E-05	5.81E-05	
b) Avg. Conc. before Dilution	µCi/ml	0.00E-01	0.00E-01	1.18E-06	1.18E-06 *	
Avg Conc. Released	µCi/ml					
c) after Dilution	above bkgd	0.00E-01	0.00E-01	4.60E-09	4.60E-09 *	
4. Gross Alpha Radioactivity						
a) Total Release	Curies	1.53E-06	8.23E-07	1.32E-06	3.67E-06	
5. Total Volume of Liquid Released before Dilution						
	Liters	5.19E+04	2.96E+04	8.51E+04	1.67E+05	
6. Total Volume of Liquid Used for Dilution						
	Liters	1.12E+07	7.88E+06	2.17E+07	4.08E+07	
7. Estimated Total Radioactivity Released by Radioisotope above Background						
Nuclide	MPCw (µCi/ml)	Curies				
59Fe	6.00E-05		4.02E-07	NSA	NSA	4.02E-07
60Co	5.00E-05		4.21E-07	NSA	2.33E-06	2.75E-06
58Co	1.00E-04		NSA	NSA	3.87E-07	3.87E-07
54Mn	1.00E-04		NSA	NSA	1.49E-06	1.49E-06
133Xe	2.00E-04		NSA	NSA	5.78E-05	5.78E-05
135Xe	2.00E-04		NSA	NSA	2.74E-07	2.74E-07
3H	3.00E-03		6.01E-01	1.71E+00	2.06E+00	4.37E+00

*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 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 763

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	4 584	TIME	105
RELEASE COMPLETION	:	DATE	4 584	TIME	500
RELEASE DURATION	:	HRS.	3.92	MIN.	235.
TANK LEVEL [INCHES]	:	INITIAL	125.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6155944.	FINAL	6177178.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1607414.	GALS	424680.
AVERAGE RELEASE RATE	:	LPM	30.85	GPM	8.15
AVERAGE BLOWDOWN RATE	:	LPM	6840.06	GPM	1807.15

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 33.075	4 484	721	2.63E-08	1.45E-07	1.42E-02	0.00E-01	SD 493
B 33.076	4 484	725	2.63E-08	1.32E-07	1.44E-02	0.00E-01	SD 495
E 7.034	4 584	330	1.34E-08	1.60E-08	5.86E-05		
G 9.014	4 484	1030	4.45E-09	1.48E-08	6.25E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.91E-07	2.63E-08	9.81E-11	N/A
GROSS BETA	1.05E-06	1.45E-07	5.86E-10	1.95E+00
TRITIUM	1.04E-01	1.44E-02	6.46E-05	2.15E+00
59FE	4.02E-07	5.54E-08	2.49E-10	4.11E-04

TABLE 1.2 (PAGE 2 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 764

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	41784	TIME	120
RELEASE COMPLETION	:	DATE	41784	TIME	545
RELEASE DURATION	:	HRS.	4.42	MIN.	265.
TANK LEVEL [INCHES]	:	INITIAL	133.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7709400.	FINAL	7732400.
TOTAL VOLUME RELEASED	:	LITERS	7776.	GALS	2054.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1741100.	GALS	460000.
AVERAGE RELEASE RATE	:	LPM	29.34	GPM	7.75
AVERAGE BLOWDOWN RATE	:	LPM	6570.19	GPM	1735.85

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 33.077	41484	600	2.33E-08	7.09E-07	2.93E-02	0.00E-01	SD 540
B 33.078	41484	605	2.33E-08	6.18E-07	2.97E-02	0.00E-01	SD 539
E 7.035	41784	430	8.51E-09	1.78E-08	1.17E-04		
G 9.016	41984	830	7.67E-09	8.98E-09	6.07E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.81E-07	2.33E-08	6.94E-11	N/A
GROSS BETA	5.52E-06	7.09E-07	3.11E-09	1.04E+01
TRITIUM	2.31E-01	2.97E-02	1.32E-04	4.40E+00
60CO	4.21E-07	5.41E-08	2.41E-10	4.81E-04

TABLE 1.2 (PAGE 3 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 765

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	41884	TIME	1830
RELEASE COMPLETION	:	DATE	41884	TIME	2240
RELEASE DURATION	:	HRS.	4.17	MIN.	250.
TANK LEVEL [INCHES]	:	INITIAL	128.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7947328.	FINAL	7973635.
TOTAL VOLUME RELEASED	:	LITERS	7381.	GALS	1950.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1991440.	GALS	526140.
AVERAGE RELEASE RATE	:	LPM	29.52	GPM	7.80
AVERAGE BLOWDOWN RATE	:	LPM	7965.76	GPM	2104.56

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 33.079	41884	1218	2.31E-08	2.47E-07	1.39E-02	0.00E-01	SD 554
B 33.080	41884	1221	2.31E-08	1.31E-07	1.38E-02	0.00E-01	SD 556
E 7.036	41884	2215	7.98E-09	8.95E-09	5.27E-05		
G 9.016	41984	830	7.67E-09	8.98E-09	6.07E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.70E-07	2.31E-08	5.68E-11	N/A
GROSS BETA	1.82E-06	2.47E-07	8.79E-10	2.93E+00
TRITIUM	1.02E-01	1.39E-02	5.12E-05	1.71E+00

TABLE 1.2 (PAGE 4 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 766

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	41984	TIME	2014
RELEASE COMPLETION	:	DATE	42084	TIME	55
RELEASE DURATION	:	HRS.	4.68	MIN.	281.
TANK LEVEL [INCHES]	:	INITIAL	136.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8085240.	FINAL	8109150.
TOTAL VOLUME RELEASED	:	LITERS	7974.	GALS	2107.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1809987.	GALS	478200.
AVERAGE RELEASE RATE	:	LPM	28.38	GPM	7.50
AVERAGE BLOWDOWN RATE	:	LPM	6441.23	GPM	1701.78

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 33.081	41984	755	3.23E-08	9.34E-08	8.04E-03	0.00E-01	SD 558
B 33.082	41984	800	3.26E-08	1.13E-07	8.05E-03	0.00E-01	SD 560
E 7.037	41984	2305	1.14E-08	9.02E-09	3.36E-05		
G 9.016	41984	830	7.67E-09	8.98E-09	6.07E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.60E-07	3.26E-08	1.09E-10	N/A
GROSS BETA	8.98E-07	1.13E-07	4.54E-10	1.51E+00
TRITIUM	6.42E-02	8.05E-03	3.53E-05	1.18E+00

TABLE 1.2 (PAGE 5 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 767

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 42084 TIME 2055
 RELEASE COMPLETION : DATE 42184 TIME 100
 RELEASE DURATION : HRS. 4.08 MIN. 245.

TANK LEVEL [INCHES] : INITIAL 129.0 FINAL 16.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 8216225. FINAL 8234250.

TOTAL VOLUME RELEASED : LITERS 7447. GALS 1967.
 TOTAL VOLUME USED FOR RELEASE : LITERS 1364493. GALS 360500.

AVERAGE RELEASE RATE : LPM 30.39 GPM 8.03
 AVERAGE BLOWDOWN RATE : LPM 5569.36 GPM 1471.43

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	NCA NUMBER
A 33.083	42084	1000	3.06E-08	9.60E-08	4.02E-03	0.00E-01	SD 564
B 33.084	42084	1005	3.06E-08	9.60E-08	4.06E-03	0.00E-01	SD 565
E 7.038	42184	1	1.60E-08	2.22E-08	1.93E-05		
G 9.016	41984	830	7.67E-09	8.98E-09	6.07E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	2.28E-07	3.06E-08	1.25E-10	N/A
GROSS BETA	7.15E-07	9.60E-08	4.73E-10	1.58E+00
TRITIUM	3.02E-02	4.06E-03	2.20E-05	7.34E-01

TABLE 1.2 (PAGE 6 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 768

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	42584	TIME	1610
RELEASE COMPLETION	:	DATE	42584	TIME	2005
RELEASE DURATION	:	HRS.	3.92	MIN.	235.
TANK LEVEL [INCHES]	:	INITIAL	128.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	8787500.	FINAL	8806112.
TOTAL VOLUME RELEASED	:	LITERS	7447.	GALS	1967.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1408928.	GALS	372240.
AVERAGE RELEASE RATE	:	LPM	31.69	GPM	8.37
AVERAGE BLOWDOWN RATE	:	LPM	5995.44	GPM	1584.00

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-	DATE	TIME	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER			UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.085	42584	555	4.62E-08	1.17E-07	5.59E-03	0.00E-01	SD 582
B 33.086	42584	600	5.06E-08	1.50E-07	5.68E-03	0.00E-01	SD 583
E 7.039	42584	1900	4.87E-09	1.07E-08	2.34E-05		
G 9.017	42484	1000	3.01E-09	1.03E-08	6.00E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	3.77E-07	5.06E-08	2.50E-10	N/A
GROSS BETA	1.12E-06	1.50E-07	7.36E-10	2.45E+00
TRITIUM	4.23E-02	5.68E-03	2.99E-05	9.96E-01

TABLE 1.2 (PAGE 7 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 769

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	43084	TIME	2035
RELEASE COMPLETION	:	DATE	5 184	TIME	3
RELEASE DURATION	:	HRS.	3.47	MIN.	208.
TANK LEVEL [INCHES]	:	INITIAL	118.0	FINAL	18.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9375367.	FINAL	9391900.
TOTAL VOLUME RELEASED	:	LITERS	6590.	GALS	1741.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1251548.	GALS	330660.
AVERAGE RELEASE RATE	:	LPM	31.68	GPM	8.37
AVERAGE BLOWDOWN RATE	:	LPM	6017.06	GPM	1589.71

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 33.087	42984	1030	1.83E-08	9.70E-08	4.01E-03	0.00E-01	SD 603
B 33.088	42984	1030	1.36E-08	9.70E-08	4.03E-03	0.00E-01	SD 604
E 7.040	43084	2300	4.33E-09	9.58E-09	1.82E-05		
G 9.017	42484	1000	3.01E-09	1.03E-08	6.00E-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	1.83E-08	8.03E-11	N/A
GROSS BETA	6.39E-07	9.70E-08	4.54E-10	1.51E+00
TRITIUM	2.65E-02	4.03E-03	2.11E-05	7.03E-01

TABLE 1.2 (PAGE 8 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 770

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	5 484	TIME	1858
RELEASE COMPLETION	:	DATE	5 584	TIME	10
RELEASE DURATION	:	HRS.	5.20	MIN.	312.
TANK LEVEL [INCHES]	:	INITIAL	130.0	FINAL	14.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	9850425.	FINAL	9882925.
TOTAL VOLUME RELEASED	:	LITERS	7644.	GALS	2020.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2460250.	GALS	650000.
AVERAGE RELEASE RATE	:	LPM	24.50	GPM	6.47
AVERAGE BLOWDOWN RATE	:	LPM	7885.42	GPM	2083.33

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-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.089	5 484	250	2.45E-08	9.96E-08	6.42E-03	0.00E-01	SD 623
B 33.090	5 484	255	2.45E-08	1.03E-07	6.53E-03	0.00E-01	SD 625
E 7.041	5 484	2240	1.10E-08	9.59E-09	1.86E-05		
G 9.018	5 284	300	8.16E-09	1.02E-08	1.67E-05		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.88E-07	2.45E-08	5.08E-11	N/A
GROSS BETA	7.84E-07	1.03E-07	2.86E-10	9.53E-01
TRITIUM	4.99E-02	6.53E-03	2.02E-05	6.72E-01

LIQUID WASTE SUMMARY FOR RELEASE NUMBER . 771

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	51884	TIME	2014
RELEASE COMPLETION	:	DATE	51984	TIME	35
RELEASE DURATION	:	HRS.	4.35	MIN.	261.
TANK LEVEL [INCHES]	:	INITIAL	124.0	FINAL	16.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	1941695.	FINAL	1968500.
TOTAL VOLUME RELEASED	:	LITERS	7117.	GALS	1880.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2029139.	GALS	536100.
AVERAGE RELEASE RATE	:	LPM	27.27	GPM	7.20
AVERAGE BLOWDOWN RATE	:	LPM	7774.48	GPM	2054.02

DESCRIPTIONS :

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

RC-	DATE	TIME	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER			UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.091	51884	100	5.73E-08	9.69E-08	1.03E-01	0.00E-01	SD 678
B 33.092	51884	100	5.19E-08	1.36E-07	1.06E-01	0.00E-01	SD 679
E 7.042	51884	2300	4.51E-09	7.90E-09	3.94E-04		
G 9.020	51984	830	2.40E-09	7.66E-09	2.75E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	4.08E-07	5.73E-08	1.92E-10	N/A
GROSS BETA	9.65E-07	1.36E-07	4.47E-10	1.49E+00
TRITIUM	7.57E-01	1.06E-01	3.72E-04	1.24E+01

TABLE 1.2 (PAGE 10 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 772

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	52284	TIME	1720
RELEASE COMPLETION	:	DATE	52284	TIME	2116
RELEASE DURATION	:	HRS.	3.93	MIN.	236.
TANK LEVEL [INCHES]	:	INITIAL	130.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	2508100.	FINAL	2531950.
TOTAL VOLUME RELEASED	:	LITERS	7513.	GALS	1985.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1805445.	GALS	477000.
AVERAGE RELEASE RATE	:	LPM	31.83	GPM	8.41
AVERAGE BLOWDOWN RATE	:	LPM	7650.19	GPM	2021.19

DESCRIPTIONS :

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 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 33.093	52284	800	1.42E-08	7.60E-08	8.00E-02	0.00E-01	SD 700
B 33.094	52284	805	1.17E-08	8.78E-08	8.16E-02	0.00E-01	SD 702
E 7.043	52284	2015	1.90E-09	7.64E-09	3.45E-04		
G 9.020	51984	830	2.40E-09	7.66E-09	2.75E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.07E-07	1.42E-08	4.91E-11	N/A
GROSS BETA	6.60E-07	8.78E-08	3.32E-10	1.11E+00
TRITIUM	6.13E-01	8.16E-02	3.38E-04	1.13E+01

TABLE 1.2 (PAGE 11 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 773

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	52784	TIME	223
RELEASE COMPLETION	:	DATE	52784	TIME	600
RELEASE DURATION	:	HRS.	3.62	MIN.	217.
TANK LEVEL [INCHES]	:	INITIAL	126.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	3127160.	FINAL	3148055.
TOTAL VOLUME RELEASED	:	LITERS	7315.	GALS	1933.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1581752.	GALS	417900.
AVERAGE RELEASE RATE	:	LPM	33.71	GPM	8.91
AVERAGE BLOWDOWN RATE	:	LPM	7289.18	GPM	1925.81

DESCRIPTIONS :

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- G = BLOWDOWN SAMPLE - WEEKLY

RC-	ALPHA	BETA	TRIT.	DNG	MCA		
NUMBER	DATE	TIME	UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.095	52684	1907	1.65E-08	1.89E-07	3.99E-02	0.00E-01	SD 723
B 33.096	52684	1912	1.65E-08	1.46E-07	4.00E-02	0.00E-01	SD 724
E 7.044	52784	535	4.70E-09	3.76E-08	1.84E-04		
G 9.021	52284	800	1.90E-09	7.64E-09	2.98E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.20E-07	1.65E-08	6.70E-11	N/A
GROSS BETA	1.38E-06	1.89E-07	8.35E-10	2.78E+00
TRITIUM	2.93E-01	4.00E-02	1.84E-04	6.14E+00

TABLE 1.2 (PAGE 12 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 774

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	6 384	TIME	1503
RELEASE COMPLETION	:	DATE	6 384	TIME	1920
RELEASE DURATION	:	HRS.	4.28	MIN.	257.
TANK LEVEL [INCHES]	:	INITIAL	132.0	FINAL	15.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	4112340.	FINAL	4137363.
TOTAL VOLUME RELEASED	:	LITERS	7710.	GALS	2037.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1894241.	GALS	500460.
AVERAGE RELEASE RATE	:	LPM	30.00	GPM	7.93
AVERAGE BLOWDOWN RATE	:	LPM	7370.59	GPM	1947.32

DESCRIPTIONS :

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

RC-	DATE	TIME	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER			UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.097	6 284	1140	1.28E-08	9.04E-08	3.56E-02	0.00E-01	SD 760
B 33.098	6 284	1145	1.28E-08	9.29E-08	3.51E-02	0.00E-01	SD 761
E 7.045	6 384	1800	5.79E-09	7.33E-09	1.24E-04		
G 9.022	53084	815	7.10E-09	8.43E-09	5.76E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	9.83E-08	1.28E-08	2.29E-11	N/A
GROSS BETA	7.17E-07	9.29E-08	3.43E-10	1.14E+00
TRITIUM	2.75E-01	3.56E-02	1.44E-04	4.82E+00
60CO	1.87E-07	2.43E-08	9.85E-11	1.97E-02

TABLE 1.2 (PAGE 13 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 775

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	61984	TIME	1958
RELEASE COMPLETION	:	DATE	61984	TIME	2330
RELEASE DURATION	:	HRS.	3.53	MIN.	212.
TANK LEVEL [INCHES]	:	INITIAL	118.0	FINAL	16.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6202300.	FINAL	6222200.
TOTAL VOLUME RELEASED	:	LITERS	6722.	GALS	1776.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1506430.	GALS	398000.
AVERAGE RELEASE RATE	:	LPM	31.71	GPM	8.38
AVERAGE BLOWDOWN RATE	:	LPM	7105.80	GPM	1877.36

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-NUMBER	DATE	TIME	ALPHA UCI/ML	BETA UCI/ML	TRIT. UCI/ML	DNG UCI/ML	MCA NUMBER
A 33.099	61984	850	1.15E-08	9.35E-08	1.11E-01	0.00E-01	SD 863
B 33.100	61984	855	1.43E-08	1.04E-07	1.13E-01	0.00E-01	SD 864
E 7.046	61984	2240	5.76E-09	1.56E-08	4.64E-04		
G 9.024	61484	1545	1.95E-09	7.58E-09	1.82E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.60E-08	1.43E-08	5.48E-11	N/A
GROSS BETA	6.97E-07	1.04E-07	4.27E-10	1.42E+00
TRITIUM	7.60E-01	1.13E-01	5.03E-04	1.68E+01

TABLE 1.2 (PAGE 14 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 776

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62384	TIME	530
RELEASE COMPLETION	:	DATE	62384	TIME	935
RELEASE DURATION	:	HRS.	4.08	MIN.	245.
TANK LEVEL [INCHES]	:	INITIAL	131.0	FINAL	17.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6668000.	FINAL	6693680.
TOTAL VOLUME RELEASED	:	LITERS	7513.	GALS	1985.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1943976.	GALS	513600.
AVERAGE RELEASE RATE	:	LPM	30.66	GPM	8.10
AVERAGE BLOWDOWN RATE	:	LPM	7934.60	GPM	2096.33

DESCRIPTIONS :

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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 33.101	62284	2005	1.63E-08	1.08E-07	5.47E-02	0.00E-01	SD 889
B 33.102	62284	2000	1.63E-08	1.43E-07	5.62E-02	0.00E-01	SD 891
E 7.047	62384	910	5.91E-09	1.03E-08	2.23E-04		
G 9.025	62184	749	4.65E-09	7.71E-09	1.50E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.23E-07	1.63E-08	4.50E-11	N/A
GROSS BETA	1.08E-06	1.43E-07	5.22E-10	1.74E+00
TRITIUM	4.23E-01	5.62E-02	2.17E-04	7.22E+00

TABLE 1.2 (PAGE 15 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 777

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62484	TIME	211
RELEASE COMPLETION	:	DATE	62484	TIME	601
RELEASE DURATION	:	HRS.	3.83	MIN.	230.
TANK LEVEL [INCHES]	:	INITIAL	129.0	FINAL	18.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	6796690.	FINAL	6827100.
TOTAL VOLUME RELEASED	:	LITERS	7315.	GALS	1933.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	2302037.	GALS	608200.
AVERAGE RELEASE RATE	:	LPM	31.80	GPM	8.40
AVERAGE BLOWDOWN RATE	:	LPM	10008.36	GPM	2644.35

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-	DATE	TIME	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER			UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.103	62384	1635	1.63E-08	1.09E-07	2.23E-02	0.00E-01	SD 897
B 33.104	62384	1640	1.74E-08	1.11E-07	2.30E-02	0.00E-01	SD 898
E 7.048	62484	513	4.47E-09	1.19E-08	1.05E-04		
G 9.025	62184	749	4.65E-09	7.71E-09	1.50E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	1.27E-07	1.74E-08	4.04E-11	N/A
GROSS BETA	8.13E-07	1.11E-07	3.28E-10	1.09E+00
TRITIUM	1.68E-01	2.30E-02	7.29E-05	2.43E+00
58CO	3.87E-07	5.29E-08	1.68E-10	1.68E-04
60CO	3.33E-07	4.55E-08	1.44E-10	2.88E-04

TABLE 1.2 (PAGE 16 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 778

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	62484	TIME	1040
RELEASE COMPLETION	:	DATE	62484	TIME	1450
RELEASE DURATION	:	HRS.	4.17	MIN.	250.
TANK LEVEL [INCHES]	:	INITIAL	120.0	FINAL	10.0
BLOWDOWN INTEGERATOR READINGS	:	INITIAL	6845400.	FINAL	6869240.
TOTAL VOLUME RELEASED	:	LITERS	7249.	GALS	1915.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1804688.	GALS	476800.
AVERAGE RELEASE RATE	:	LPM	29.00	GPM	7.66
AVERAGE BLOWDOWN RATE	:	LPM	7218.75	GPM	1907.20

DESCRIPTIONS :

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- 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 33.105	62384	2015	1.63E-08	1.71E-07	6.56E-03	0.00E-01	SD 899
B 33.106	62384	2020	1.63E-08	2.22E-07	6.67E-03	0.00E-01	SD 900
E 7.049	62484	1345	3.22E-09	1.26E-08	3.04E-05		
G 9.025	62184	749	4.65E-09	7.71E-09	1.50E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.18E-07	1.63E-08	4.64E-11	N/A
GROSS BETA	1.61E-06	2.22E-07	8.58E-10	2.86E+00
TRITIUM	4.83E-02	6.67E-03	2.67E-05	8.89E-01
60CO	4.51E-07	6.22E-08	2.49E-10	4.98E-02
54MN	6.17E-07	8.51E-08	3.40E-10	3.40E-02

TABLE 1.2 (PAGE 17 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 779

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62584	TIME	2036
RELEASE COMPLETION	:	DATE	62684	TIME	10
RELEASE DURATION	:	HRS.	3.57	MIN.	214.
TANK LEVEL [INCHES]	:	INITIAL	110.0	FINAL	18.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7040400.	FINAL	7061500.
TOTAL VOLUME RELEASED	:	LITERS	6063.	GALS	1602.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1597270.	GALS	422000.
AVERAGE RELEASE RATE	:	LPM	28.33	GPM	7.49
AVERAGE BLOWDOWN RATE	:	LPM	7463.88	GPM	1971.96

DESCRIPTIONS :

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- 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 33.107	62584	615	1.62E-08	9.25E-08	8.26E-03	5.75E-07	SD 904
B 33.108	62584	615	1.28E-08	8.21E-08	8.26E-03	5.75E-07	SD 905
E 7.050	62684	1	3.31E-09	1.06E-08	2.93E-05		
G 9.025	62184	749	4.65E-09	7.71E-09	1.50E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.80E-08	1.62E-08	4.36E-11	N/A
GROSS BETA	5.61E-07	9.25E-08	3.20E-10	1.07E+00
TRITIUM	5.01E-02	8.26E-03	3.12E-05	1.04E+00
133XE	3.49E-06	5.75E-07	2.17E-09	1.09E-01

TABLE 1.2 (PAGE 18 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 780

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	62684	TIME	228
RELEASE COMPLETION	:	DATE	62684	TIME	625
RELEASE DURATION	:	HRS.	3.95	MIN.	237.
TANK LEVEL [INCHES]	:	INITIAL	120.0	FINAL	9.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7074700.	FINAL	7098400.
TOTAL VOLUME RELEASED	:	LITERS	7315.	GALS	1933.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1794090.	GALS	474000.
AVERAGE RELEASE RATE	:	LPM	30.86	GPM	8.15
AVERAGE BLOWDOWN RATE	:	LPM	7570.00	GPM	2000.00

DESCRIPTIONS :

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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 33.109	62584	1450	1.16E-08	3.62E-07	3.18E-03	3.19E-06	SD 908
B 33.110	62584	1455	1.38E-08	2.92E-07	3.18E-03	3.19E-06	SD 909
E 7.051	62684	530	3.23E-09	1.42E-08	1.35E-05		
G 9.025	62184	749	4.65E-09	7.71E-09	1.50E-06		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% CF LIMIT OR MPCW
GROSS ALPHA	1.01E-07	1.38E-08	3.73E-11	N/A
GROSS BETA	2.64E-06	3.62E-07	1.44E-09	4.79E+00
TRITIUM	2.33E-02	3.18E-03	1.29E-05	4.31E-01
133XE	2.30E-05	3.15E-06	1.28E-08	6.40E-03
135XE	2.74E-07	1.19E-07	1.52E-10	7.59E-05
60CO	1.09E-06	1.49E-07	6.05E-10	1.21E-01
54MN	8.70E-07	4.07E-08	4.83E-10	9.66E-02

TABLE 1.2 (PAGE 19 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 781

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62784	TIME	1940
RELEASE COMPLETION	:	DATE	62784	TIME	2345
RELEASE DURATION	:	HRS.	4.08	MIN.	245.
TANK LEVEL [INCHES]	:	INITIAL	122.0	FINAL	19.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7321000.	FINAL	7346200.
TOTAL VOLUME RELEASED	:	LITERS	6788.	GALS	1793.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1907640.	GALS	504000.
AVERAGE RELEASE RATE	:	LPM	27.70	GPM	7.32
AVERAGE BLOWDOWN RATE	:	LPM	7786.29	GPM	2057.14

DESCRIPTIONS :

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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 33.111	62784	955	1.15E-08	7.45E-08	1.85E-02	2.40E-06	SD 923
B 33.112	62784	1000	1.15E-08	7.45E-08	1.87E-02	2.40E-06	SD 924
E 7.052	62784	2230	3.90E-09	8.30E-09	6.52E-05		
G 9.026	62784	806	4.03E-09	1.66E-08	5.50E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	7.82E-08	1.15E-08	2.66E-11	N/A
GROSS BETA	5.06E-07	7.45E-08	2.05E-10	6.84E-01
TRITIUM	1.27E-01	1.87E-02	6.64E-05	2.21E+00
133XE	1.63E-05	2.40E-06	8.51E-09	4.25E-01

TABLE 1.2 (PAGE 20 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 782

RELEASE MADE FROM	:	TANK	T-6203		
RELEASE START	:	DATE	62884	TIME	112
RELEASE COMPLETION	:	DATE	62884	TIME	456
RELEASE DURATION	:	HRS.	3.73	MIN.	224.
TANK LEVEL [INCHES]	:	INITIAL	120.0	FINAL	9.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7355100.	FINAL	7378200.
TOTAL VOLUME RELEASED	:	LITERS	7315.	GALS	1933.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1748670.	GALS	462000.
AVERAGE RELEASE RATE	:	LPM	32.66	GPM	8.63
AVERAGE BLOWDOWN RATE	:	LPM	7806.56	GPM	2062.50

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- 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 33.113	62784	1830	1.43E-08	1.52E-07	1.00E-02	7.50E-07	SD 928
B 33.114	62784	1835	1.15E-08	9.62E-08	1.02E-02	7.50E-07	SD 929
E 7.053	62884	330	5.30E-09	6.71E-09	6.31E-05		
G 9.026	62784	806	4.03E-09	1.66E-08	5.50E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	1.05E-07	1.43E-08	4.27E-11	N/A
GROSS BETA	1.11E-06	1.52E-07	5.62E-10	1.87E+00
TRITIUM	7.45E-02	1.02E-02	4.24E-05	1.41E+00
133XE	5.49E-06	7.50E-07	3.12E-09	1.56E-01
60CO	2.70E-07	3.69E-08	1.54E-10	3.07E-02

TABLE 1.2 (PAGE 21 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 783

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62884	TIME	1827
RELEASE COMPLETION	:	DATE	62884	TIME	2225
RELEASE DURATION	:	HRS.	3.97	MIN.	238.
TANK LEVEL [INCHES]	:	INITIAL	125.0	FINAL	18.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7460950.	FINAL	7484000.
TOTAL VOLUME RELEASED	:	LITERS	7051.	GALS	1863.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1744885.	GALS	461000.
AVERAGE RELEASE RATE	:	LPM	29.63	GPM	7.83
AVERAGE BLOWDOWN RATE	:	LPM	7331.45	GPM	1936.97

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- 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 33.115	62884	1110	2.00E-08	8.53E-08	8.37E-03	7.67E-07	SD 931
B 33.116	62884	1115	2.00E-08	1.16E-07	8.83E-03	7.67E-07	SD 932
E 7.054	63084	2135	1.49E-09	7.89E-09	3.37E-05		
G 9.026	62784	806	4.03E-09	1.66E-08	5.50E-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	2.00E-08	6.41E-11	N/A
GROSS BETA	8.20E-07	1.16E-07	4.01E-10	1.34E+00
TRITIUM	6.23E-02	8.83E-03	3.55E-03	1.18E+00
133XE	5.41E-06	7.67E-07	3.09E-09	1.54E-01

TABLE 1.2 (PAGE 22 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 784

RELEASE MADE FROM	:	TANK	T-6204		
RELEASE START	:	DATE	62984	TIME	1700
RELEASE COMPLETION	:	DATE	62984	TIME	2043
RELEASE DURATION	:	HRS.	3.72	MIN.	223.
TANK LEVEL [INCHES]	:	INITIAL	123.0	FINAL	19.0
BLOWDOWN INTEGRATOR READINGS	:	INITIAL	7592420.	FINAL	7614800.
TOTAL VOLUME RELEASED	:	LITERS	6854.	GALS	1811.
TOTAL VOLUME USED FOR RELEASE	:	LITERS	1694166.	GALS	447600.
AVERAGE RELEASE RATE	:	LPM	30.73	GPM	8.12
AVERAGE BLOWDOWN RATE	:	LPM	7597.15	GPM	2007.17

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

RC-	DATE	TIME	ALPHA	BETA	TRIT.	DNG	MCA
NUMBER			UCI/ML	UCI/ML	UCI/ML	UCI/ML	NUMBER
A 33.117	62984	715	1.92E-08	7.63E-08	4.36E-03	2.48E-07	SD 934
B 33.118	62984	715	2.05E-08	1.13E-07	4.31E-03	2.48E-07	SD 935
E 7.055	62984	5	3.84E-09	1.07E-08	1.51E-05		
G 9.026	62784	806	4.03E-09	1.66E-08	5.50E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL	UCI/ML	UCI/ML	% OF LIMIT
	CURIES	BEF. DIL.	AFT. DIL.	OR MPCW
GROSS ALPHA	1.40E-07	2.05E-08	6.63E-11	N/A
GROSS BETA	7.75E-07	1.13E-07	3.89E-10	1.30E+00
TRITIUM	2.99E-02	4.36E-03	1.76E-05	5.86E-01
133XE	1.70E-06	2.48E-07	9.99E-10	5.00E-02

TABLE 1.2 (PAGE 23 OF 23)

LIQUID WASTE SUMMARY FOR RELEASE NUMBER : 785

RELEASE MADE FROM : TANK T-6204

RELEASE START : DATE 63084 TIME 2218
 RELEASE COMPLETION : DATE 7 184 TIME 216
 RELEASE DURATION : HRS. 3.97 MIN. 238.

TANK LEVEL [INCHES] : INITIAL 128.0 FINAL 18.0

BLOWDOWN INTEGRATOR READINGS : INITIAL 7768600. FINAL 7791890.

TOTAL VOLUME RELEASED : LITERS 7249. GALS 1915.
 TOTAL VOLUME USED FOR RELEASE : LITERS 1763053. GALS 465800.

AVERAGE RELEASE RATE : LPM 30.46 GPM 8.05
 AVERAGE BLOWDOWN RATE : LPM 7407.79 GPM 1957.14

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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 33.119	63084	1335	1.27E-08	6.53E-08	2.30E-03	3.27E-07	SD 942
B 33.120	63084	1340	1.16E-08	6.92E-08	2.29E-03	3.27E-07	SD 943
E 7.056	7 184	100	0.00E-01	0.00E-01	0.00E-01		
G 9.026	62784	806	4.03E-09	1.66E-08	5.50E-07		

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	TOTAL CURIES	UCI/ML BEF. DIL.	UCI/ML AFT. DIL.	% OF LIMIT OR MPCW
GROSS ALPHA	9.20E-08	1.27E-08	3.55E-11	N/A
GROSS BETA	5.01E-07	6.92E-08	2.15E-10	7.17E-01
TRITIUM	1.67E-02	2.30E-03	9.41E-06	3.14E-01
133XE	2.37E-06	3.27E-07	1.34E-09	6.69E-02

LIQUID WASTE SUMMARY FOR RELEASES 763 THROUGH 785

REPORT PERIOD OF 2nd QUARTER, 1984

AVG. GROSS ALPHA ACT. BEFORE DILUTION:	2.19E-08	UCI/ML
AVG. GROSS ALPHA ACT. AFTER DILUTION :	7.27E-11	UCI/ML
TOTAL GROSS ALPHA ACTIVITY :	3.67E-06	CURIES
AVG. GROSS BETA ACT. BEFORE DILUTION :	1.62E-07	UCI/ML
AVG. GROSS BETA ACT. AFTER DILUTION :	6.35E-10	UCI/ML
TOTAL GROSS BETA ACTIVITY :	2.74E-05	CURIES
AVG. TRITIUM ACT. BEFORE DILUTION :	2.63E-02	UCI/ML
AVG. TRITIUM ACT. AFTER DILUTION :	1.06E-04	UCI/ML
TOTAL TRITIUM ACTIVITY :	4.37E+00	CURIES
AVG. DIS. NOBLE ACT. BEFORE DILUTION :	1.18E-06	UCI/ML
AVG. DIS. NOBLE ACT. AFTER DILUTION :	4.60E-09	UCI/ML
TOTAL DISOLVED GAS ACTIVITY :	5.81E-05	CURIES
TOTAL VOLUME OF WASTE RELEASED :	1.67E+05	LITERS
TOTAL VOLUME USED FOR DILUTION :	4.08E+07	LITERS
AVG. 59FE ACT. BEFORE DILUTION :	5.54E-08	UCI/ML
AVG. 59FE ACT. AFTER DILUTION :	2.49E-10	UCI/ML
TOTAL 59FE ACTIVITY RELEASED :	4.02E-07	CURIES
AVG. 60CO ACT. BEFORE DILUTION :	6.20E-08	UCI/ML
AVG. 60CO ACT. AFTER DILUTION :	2.48E-10	UCI/ML
TOTAL 60CO ACTIVITY RELEASED :	2.75E-06	CURIES
AVG. 58CO ACT. BEFORE DILUTION :	5.29E-08	UCI/ML
AVG. 58CO ACT. AFTER DILUTION :	1.68E-10	UCI/ML
TOTAL 58CO ACTIVITY RELEASED :	3.87E-07	CURIES
AVG. 54MN ACT. BEFORE DILUTION :	6.29E-08	UCI/ML
AVG. 54MN ACT. AFTER DILUTION :	4.12E-10	UCI/ML
TOTAL 54MN ACTIVITY RELEASED :	1.49E-06	CURIES
AVG. 133XE ACT. BEFORE DILUTION :	1.17E-06	UCI/ML
AVG. 133XE ACT. AFTER DILUTION :	4.57E-09	UCI/ML
TOTAL 133XE ACTIVITY RELEASED :	5.78E-05	CURIES
AVG. 135XE ACT. BEFORE DILUTION :	1.19E-07	UCI/ML
AVG. 135XE ACT. AFTER DILUTION :	1.52E-10	UCI/ML
TOTAL 135XE ACTIVITY RELEASED :	2.74E-07	CURIES

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

2nd QUARTER 1984

TURBINE BUILDING SUMP

	MONTH	APR	MAY	JUN	QUARTERLY TOTAL
VOLUME	LITERS	2.89E+06	3.72E+06	5.19E+06	1.18E+07
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	2.74E-05	3.07E-05	3.35E-05	3.05E-05*
	TOTAL CURIES	7.93E-02	1.14E-01	1.74E-01	3.60E-01
GROSS $\beta\alpha$	AVERAGE $\mu\text{Ci/ml}$	9.38E-08	8.25E-08	7.03E-08	8.22E-08*
	TOTAL CURIES	2.71E-04	3.07E-04	3.65E-04	9.70E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.63E-08	2.38E-08	1.35E-08	2.12E-08*
	TOTAL CURIES	7.61E-05	8.85E-05	7.01E-05	2.50E-04

REACTOR BUILDING SUMP

	MONTH	APR	MAY	JUN	QUARTERLY TOTAL
VOLUME	LITERS	1.23E+06	6.36E+05	4.98E+05	2.36E+06
TRITIUM	AVERAGE $\mu\text{Ci/ml}$	4.81E-04	1.22E-03	7.32E-04	7.26E-04*
	TOTAL CURIES	5.91E-01	7.77E-01	3.65E-01	1.72E+00
GROSS $\beta\alpha$	AVERAGE $\mu\text{Ci/ml}$	1.64E-07	8.15E-08	1.08E-07	1.24E-07*
	TOTAL CURIES	2.02E-04	5.19E-05	5.38E-05	2.93E-04
GROSS α	AVERAGE $\mu\text{Ci/ml}$	2.57E-08	2.11E-08	1.38E-08	1.94E-08*
	TOTAL CURIES	3.16E-05	1.34E-05	6.87E-06	4.59E-05

* Represents "weighted" average

TABLE 2.1 - RADIOACTIVE GASEOUS EFFLUENT RELEASES FOR 2nd QUARTER, 1984

		UNITS	APR	MAY	JUN	QUARTERLY TOTAL
1a. Total Noble Gases		Curies	4.17E-04	7.45E-01	2.13E+01	2.21E+01
1b. Total Tritium		Curies	7.97E-02	2.59E-01	1.96E-01	5.34E-01
1c. Total Halogens		Curies	NSA	NSA	NSA	NSA
1d. Total Particulate Gross (β,α) Activity RT-7325		Curies	6.08E-08	7.20E-08	6.73E-08	2.00E-07
1e. Total Particulate Gross Alpha Activity RT-7325		Curies	1.83E-08	2.46E-08	1.06E-08	5.35E-08
2. Maximum Hourly Release Rate for Any One Hour Period		Ci/hr	7.22E-03	3.38E-02	1.14E+00	1.14E+00
3. Estimated Total Radioactivity Released by Nuclide						
Particulates	MPCa	Curies	NSA	NSA	NSA	NSA
Halogens	MPCa(μCi/ml)	Curies	NSA		NSA	
Gases	MPCa(μCi/ml)	Curies				
3H	2.00E-07		7.97E-02	2.59E-01	1.96E-01	5.34E-01
133Xe	3.00E-07		4.17E-04	6.61E-02	1.86E+01	1.86E+01
85Kr	3.00E-07		NSA	5.62E-01	1.76E+00	2.33E+00
85Krm	1.00E-07		NSA	1.34E-02	7.68E-02	9.02E-02
88Kr	2.00E-08		NSA	9.14E-03	1.04E-01	1.13E-01
131Xem	4.00E-07		NSA	3.25E-03	NSA	3.25E-03
135Xe	1.00E-07		NSA	9.08E-02	4.57E-01	5.48E-01
87Kr	2.00E-08		NSA	NSA	2.99E-02	2.99E-02
133Xem	3.00E-07		NSA	NSA	3.10E-01	3.10E-01

4.7E-05 = 4.7 x 10⁻⁵

5.2E+03 = 5.2 x 10⁺³

NSA means no significant activity.

TABLE 2.2 (PAGE 1 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1131

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 4 284 TIME 2035

RELEASE COMPLETION : DATE 4 384 TIME 952

RELEASE DURATION : HRS. 13.28 OR MIN. 797.

TANK PRESSURE [PSI@] : INITIAL 400 FINAL 15

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 21.44

TOTAL VOLUME OF GAS RELEASED : SCC 4.84E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 25000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.045 TRITIUM 35.044

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.25E-06	2.00E-07	1.63E+01	1.57E-03
133XE	8.61E-07	3.00E-07	2.87E+00	4.17E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 4.17E-04

ACTIVITY RELEASED RATE : CI/HR 1.50E-04 UCI/SEC 4.16E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 2 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1132

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 4 884 TIME 238
 RELEASE COMPLETION : DATE 4 884 TIME 1408

RELEASE DURATION : HRS. 11.50 OR MIN. 690.

TANK PRESSURE [PSIG] : INITIAL 385 FINAL 15

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 23.71

TOTAL VOLUME OF GAS RELEASED : SCC 4.63E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 25000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.046 TRITIUM 35.045

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.47E-06	2.00E-07	1.23E+01	1.14E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 9.94E-05 UCI/SEC 2.76E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 3 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1133

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 41084 TIME 2310

RELEASE COMPLETION : DATE 41184 TIME 1015

RELEASE DURATION : HRS. 11.08 OR MIN. 665.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 15

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 29.03

TOTAL VOLUME OF GAS RELEASED : SCC 5.47E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.047 TRITIUM 35.046

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.70E-06	2.00E-07	1.35E+01	1.48E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.33E-04 UCI/SEC 3.71E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 4 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1134

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 41384 TIME 1855

RELEASE COMPLETION : DATE 41484 TIME 400

RELEASE DURATION : HRS. 9.08 OR MIN. 545.

TANK PRESSURE [PSIG] : INITIAL 325 FINAL 15

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 25.24

TOTAL VOLUME OF GAS RELEASED : SCC 3.90E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAQORY "E"

RC-NUMBER : GRAB 34.048 TRITIUM 35.047

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.20E-06	2.00E-07	2.10E+01	1.64E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.80E-04 UCI/SEC 5.00E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 5 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1135

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 41684 TIME 2228
 RELEASE COMPLETION : DATE 41784 TIME 830

RELEASE DURATION : HRS. 10.03 OR MIN. 602.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 50

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 27.17

TOTAL VOLUME OF GAS RELEASED : SCC 4.63E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93
 EXHAUST FLOW RATE : ACFM 27000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.049 TRITIUM 35.048

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.36E-06	2.00E-07	1.18E+01	1.10E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.09E-04 UCI/SEC 3.03E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 6 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1136

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 42084 TIME 5
 RELEASE COMPLETION : DATE 42084 TIME 655

RELEASE DURATION : HRS. 6.83 OR MIN. 410.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 35

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 44.92

TOTAL VOLUME OF GAS RELEASED : SCC 5.21E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.050 TRITIUM 35.049

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.64E-06	2.00E-07	8.19E+00	8.55E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.25E-04 UCI/SEC 3.47E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 7 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1137

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 42084 TIME 2101

RELEASE COMPLETION : DATE 42184 TIME 542

RELEASE DURATION : HRS. 8.68 OR MIN. 521.

TANK PRESSURE [PSIG] : INITIAL 315 FINAL 5

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 26.31

TOTAL VOLUME OF GAS RELEASED : SCC 3.88E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 25000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.051 TRITIUM 35.050

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	3.43E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 3.95E-04 UCI/SEC 1.10E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 8 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1138

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 42384 TIME 1154
 RELEASE COMPLETION : DATE 42384 TIME 2026

RELEASE DURATION : HRS. 8.53 OR MIN. 512.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 12

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 37.03

TOTAL VOLUME OF GAS RELEASED : SCC 5.37E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.052 TRITIUM 35.051

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.62E-06	2.00E-07	8.09E+00	8.68E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.02E-04 UCI/SEC 2.83E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 9 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1139

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 42484 TIME 1248
 RELEASE COMPLETION : DATE 42484 TIME 2020
 RELEASE DURATION : HRS. 7.53 OR MIN. 452.
 TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10
 TANK TEMPERATURE : DEG-F 73
 AVERAGE RELEASE RATE : CFM 39.05
 TOTAL VOLUME OF GAS RELEASED : SCC 5.00E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 31000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.053 TRITIUM 35.052

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.99E-07	2.00E-07	5.00E+00	5.00E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 6.63E-05 UCI/SEC 1.84E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 10 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1140

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 42584 TIME 1155
 RELEASE COMPLETION : DATE 42584 TIME 1754
 RELEASE DURATION : HRS. 5.98 OR MIN. 359.
 TANK PRESSURE [PSIG] : INITIAL 435 FINAL 20
 TANK TEMPERATURE : DEG-F 72
 AVERAGE RELEASE RATE : CFM 51.11
 TOTAL VOLUME OF GAS RELEASED : SCC 5.20E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 99
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.054 TRITIUM 35.053

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.33E-06	2.00E-07	6.66E+00	6.92E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.16E-04 UCI/SEC 3.21E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 11 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1141

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 42684 TIME 2018
 RELEASE COMPLETION : DATE 42784 TIME 610
 RELEASE DURATION : HRS. 9.87 OR MIN. 592.
 TANK PRESSURE [PSIG] : INITIAL 290 FINAL 0
 TANK TEMPERATURE : DEG-F 70
 AVERAGE RELEASE RATE : CFM 21.74
 TOTAL VOLUME OF GAS RELEASED : SCC 3.64E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.055 TRITIUM 35.054

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.36E-06	2.00E-07	1.18E+01	8.59E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 8.71E-05 UCI/SEC 2.42E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 12 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1142

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 43084 TIME 2245

RELEASE COMPLETION : DATE 5 184 TIME 750

RELEASE DURATION : HRS. 9.08 OR MIN. 545.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 12

TANK TEMPERATURE : DEG-F 78

AVERAGE RELEASE RATE : CFM 32.73

TOTAL VOLUME OF GAS RELEASED : SCC 5.05E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.056 TRITIUM 35.055

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.30E-04	2.00E-07	6.50E+02	6.56E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 7.22E-03 UCI/SEC 2.01E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 13 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1143

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 5 284 TIME 1750

RELEASE COMPLETION : DATE 5 384 TIME 210

RELEASE DURATION : HRS. 8.33 OR MIN. 500.

TANK PRESSURE [PSIG] : INITIAL 375 FINAL 10

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 32.40

TOTAL VOLUME OF GAS RELEASED : SCC 4.59E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.057 TRITIUM 35.056

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.10E-05	2.00E-07	5.48E+01	5.03E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 6.03E-04 UCI/SEC 1.68E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 14 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1144

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 5 684 TIME 2213
 RELEASE COMPLETION : DATE 5 784 TIME 812

RELEASE DURATION : HRS. 9.98 OR MIN. 599.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 20

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 31.18

TOTAL VOLUME OF GAS RELEASED : SCC 5.29E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.058 TRITIUM 35.057

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.79E-05	2.00E-07	8.95E+01	9.46E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 9.48E-04 UCI/SEC 2.63E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 15 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1145

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 5 784 TIME 2130

RELEASE COMPLETION : DATE 5 884 TIME 425

RELEASE DURATION : HRS. 6.92 OR MIN. 415.

TANK PRESSURE [PSIG] : INITIAL 330 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 34.09

TOTAL VOLUME OF GAS RELEASED : SCC 4.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.059 TRITIUM 35.058

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.20E-05	2.00E-07	2.60E+02	2.08E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 3.01E-03 UCI/SEC 8.37E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 16 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1146

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 5 884 TIME 1940

RELEASE COMPLETION : DATE 5 984 TIME 355

RELEASE DURATION : HR3. 8.25 OR MIN. 495.

TANK PRESSURE [PSIG] : INITIAL 370 FINAL 12

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 32.10

TOTAL VOLUME OF GAS RELEASED : SCC 4.50E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.060 TRITIUM 35.059

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.23E-05	2.00E-07	2.12E+02	1.90E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 2.31E-03 UCI/SEC 6.41E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 17 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1147

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 5 984 TIME 1900

RELEASE COMPLETION : DATE 51084 TIME 214

RELEASE DURATION : HRS. 7.23 OR MIN. 434.

TANK PRESSURE [PSIG] : INITIAL 330 FINAL 3

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 33.31

TOTAL VOLUME OF GAS RELEASED : SCC 4.09E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.061 TRITIUM 35.060

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.67E-05	2.00E-07	1.33E+02	1.09E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 1.51E-03 UCI/SEC 4.19E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 18 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1148

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 51084 TIME 2300
 RELEASE COMPLETION : DATE 51184 TIME 835

RELEASE DURATION : HRS. 9.58 OR MIN. 575.

TANK PRESSURE [PSIG] : INITIAL 360 FINAL 10

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 27.01

TOTAL VOLUME OF GAS RELEASED : SCC 4.40E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.063 TRITIUM 35.062

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.16E-05	2.00E-07	5.82E+01	5.12E-03
131XEM	7.40E-06	4.00E-07	1.85E+01	3.25E-03
85KR	7.18E-04	3.00E-07	2.39E+03	3.16E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 3.19E-01

ACTIVITY RELEASED RATE : CI/HR 3.38E-02 UCI/SEC 9.40E+00

PERCENT OF TECH. SPEC. LIMIT : 0.10 %

TABLE 2.2 (PAGE 19 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1149

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 51184 TIME 1855

RELEASE COMPLETION : DATE 51284 TIME 115

RELEASE DURATION : HRS. 6.33 OR MIN. 380.

TANK PRESSURE [PSIG] : INITIAL 295 FINAL 4

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 33.86

TOTAL VOLUME OF GAS RELEASED : SCC 3.64E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.064 TRITIUM 35.063

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.68E-05	2.00E-07	8.40E+01	6.12E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 9.67E-04 UCI/SEC 2.68E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 20 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1150

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 51284 TIME 1610

RELEASE COMPLETION : DATE 51284 TIME 2355

RELEASE DURATION : HRS. 7.75 OR MIN. 465.

TANK PRESSURE [PSIG] : INITIAL 445 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 41.36

TOTAL VOLUME OF GAS RELEASED : SCC 5.45E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.065 TRITIUM 35.064

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	2.62E-03
85KR	4.53E-04	3.00E-07	1.51E+03	2.47E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.47E-01

ACTIVITY RELEASED RATE : CI/HR 3.22E-02 UCI/SEC 8.94E+00

PERCENT OF TECH. SPEC. LIMIT : 0.10 %

TABLE 2.2 (PAGE 21 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1151

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 51384 TIME 1800

RELEASE COMPLETION : DATE 51484 TIME 148

RELEASE DURATION : HRS. 7.80 OR MIN. 468.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 5

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 41.25

TOTAL VOLUME OF GAS RELEASED : SCC 5.47E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.066 TRITIUM 35.065

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.43E-06	2.00E-07	2.22E+01	2.42E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 3.11E-04 UCI/SEC 8.63E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 22 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1152

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 51484 TIME 1555

RELEASE COMPLETION : DATE 51484 TIME 2200

RELEASE DURATION : HRS. 6.08 OR MIN. 365.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 25

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 50.46

TOTAL VOLUME OF GAS RELEASED : SCC 5.21E+08

REACTOR BUILDING VENTILLATION! SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.067 TRITIUM 35.066

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.22E-06	2.00E-07	1.61E+01	1.68E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 2.76E-04 UCI/SEC 7.66E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 23 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1153

RELEASE MADE FROM	:	TANK	T-6304		
RELEASE START	:	DATE	51584	TIME	1233
RELEASE COMPLETION	:	DATE	51584	TIME	1935
RELEASE DURATION	:	HRS.	7.03	OR	MIN. 422.
TANK PRESSURE [PSIG]	:	INITIAL	410	FINAL	0
TANK TEMPERATURE	:	DEG-F	72		
AVERAGE RELEASE RATE	:	CFM	42.95		
TOTAL VOLUME OF GAS RELEASED	:	SCC	5.13E+08		

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE	:	DEG-F	96		
EXHAUST FLOW RATE	:	ACFM	30000.		
STABILITY @ START OF RELEASE	:	CATAGORY	"E"		
RC-NUMBER	:	GRAB	34.068	TRITIUM	35.067

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.29E-06	2.00E-07	2.15E+01	2.20E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE	:	CI/HR	3.13E-04	UCI/SEC	8.70E-02
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PERCENT OF TECH. SPEC. LIMIT	:	< 0.01 %
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TABLE 2.2 (PAGE 24 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1154

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 51684 TIME 1037
 RELEASE COMPLETION : DATE 51684 TIME 1635

RELEASE DURATION : HRS. 5.97 OR MIN. 358.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 20

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 49.40

TOTAL VOLUME OF GAS RELEASED : SCC 5.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.069 TRITIUM 35.068

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.64E-06	2.00E-07	2.32E+01	2.32E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 3.89E-04 UCI/SEC 1.08E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 25 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1155

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 51784 TIME 953

RELEASE COMPLETION : DATE 51784 TIME 1900

RELEASE DURATION : HRS. 9.12 OR MIN. 547.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 0

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 34.75

TOTAL VOLUME OF GAS RELEASED : SCC 5.38E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "C"

RC-NUMBER : GRAB 34.070 TRITIUM 35.069

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.76E-06	2.00E-07	1.88E+01	2.02E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 2.22E-04 UCI/SEC 6.16E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 26 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1156

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 51884 TIME 204
 RELEASE COMPLETION : DATE 51884 TIME 755

RELEASE DURATION : HRS. 5.85 OR MIN. 351.

TANK PRESSURE [PSIG] : INITIAL 380 FINAL 20

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 45.52

TOTAL VOLUME OF GAS RELEASED : SCC 4.52E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.071 TRITIUM 35.070

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.97E-06	2.00E-07	1.98E+01	1.79E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 0.00E-01

ACTIVITY RELEASED RATE : CI/HR 3.07E-04 UCI/SEC 8.52E-02

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 27 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1157

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 51984 TIME 255

RELEASE COMPLETION : DATE 51984 TIME 755

RELEASE DURATION : HRS. 5.00 OR MIN. 300.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 22

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 61.60

TOTAL VOLUME OF GAS RELEASED : SCC 5.23E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.072 TRITIUM 35.071

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.03E-06	2.00E-07	1.02E+01	1.06E-03
85KRM	7.01E-07	1.00E-07	7.01E+00	3.67E-04
135XE	1.45E-06	1.00E-07	1.45E+01	7.59E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.13E-03

ACTIVITY RELEASED RATE : CI/HR 4.38E-04 UCI/SEC 1.22E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 28 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1158

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52084 TIME 100

RELEASE COMPLETION : DATE 52084 TIME 615

RELEASE DURATION : HRS. 5.25 OR MIN. 315.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 35

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 55.44

TOTAL VOLUME OF GAS RELEASED : SCC 4.94E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.073 TRITIUM 35.072

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.63E-06	2.00E-07	1.81E+01	1.79E-03
85KRM	2.57E-07	1.00E-07	2.57E+00	1.27E-04
135XE	2.61E-06	1.00E-07	2.61E+01	1.29E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.42E-03

ACTIVITY RELEASED RATE : CI/HR 6.12E-04 UCI/SEC 1.70E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 29 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1159

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52184 TIME 125

RELEASE COMPLETION : DATE 52184 TIME 835

RELEASE DURATION : HRS. 7.17 OR MIN. 430.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 5

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 44.56

TOTAL VOLUME OF GAS RELEASED : SCC 5.43E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "G"

KC-NUMBER : GRAB 34.074 TRITIUM 35.073

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.34E-06	2.00E-07	3.17E+01	3.44E-03
133XE	2.05E-06	3.00E-07	6.83E+00	1.11E-03
85KRM	1.44E-06	1.00E-07	1.44E+01	7.81E-04
135XE	7.83E-06	1.00E-07	7.83E+01	4.25E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 6.14E-03

ACTIVITY RELEASED RATE : CI/HR 1.34E-03 UCI/SEC 3.71E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 30 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1160

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52184 TIME 1732

RELEASE COMPLETION : DATE 52184 TIME 2400

RELEASE DURATION : HRS. 6.47 OR MIN. 388.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 20

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 46.72

TOTAL VOLUME OF GAS RELEASED : SCC 5.13E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 33000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.075 TRITIUM 35.074

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.28E-06	2.00E-07	2.14E+01	2.20E-03
133XE	1.47E-06	3.00E-07	4.90E+00	7.55E-04
85KRM	1.18E-06	1.00E-07	1.18E+01	6.06E-04
135XE	5.37E-06	1.00E-07	5.37E+01	2.76E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 4.12E-03

ACTIVITY RELEASED RATE : CI/HR 9.77E-04 UCI/SEC 2.71E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 31 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1161

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52284 TIME 1328

RELEASE COMPLETION : DATE 52284 TIME 2128

RELEASE DURATION : HRS. 8.00 OR MIN. 480.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 0

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 39.46

TOTAL VOLUME OF GAS RELEASED : SCC 5.36E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "C"

RC-NUMBER : GRAB 34.076 TRITIUM 35.075

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	3.56E-06	2.00E-07	1.78E+01	1.91E-03
133XE	3.76E-06	3.00E-07	1.25E+01	2.02E-03
85KRM	1.92E-06	1.00E-07	1.92E+01	1.03E-03
88KR	2.81E-06	2.00E-08	1.41E+02	1.51E-03
135XE	1.06E-05	1.00E-07	1.06E+02	5.68E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.02E-02

ACTIVITY RELEASED RATE : CI/HR 1.52E-03 UCI/SEC 4.22E-01

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 32 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1162

RELEASE MADE FROM : TANK T--6303

RELEASE START : DATE 52384 TIME 305

RELEASE COMPLETION : DATE 52384 TIME 1201

RELEASE DURATION : HRS. 8.93 OR MIN. 536.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 7

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 33.37

TOTAL VOLUME OF GAS RELEASED : SCC 5.06E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.077 TRITIUM 35.076

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.80E-06	2.00E-07	1.40E+01	1.42E-03
133XE	3.72E-06	3.00E-07	1.24E+01	1.88E-03
135XE	2.60E-06	1.00E-07	2.60E+01	1.32E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 3.20E-03

ACTIVITY RELEASED RATE : CI/HR 5.17E-04 UCI/SEC 1.44E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 33 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1163

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52484 TIME 218
 RELEASE COMPLETION : DATE 52484 TIME 1042

RELEASE DURATION : HRS. 8.40 OR MIN. 504.

TANK PRESSURE [PSIG] : INITIAL 400 FINAL 0

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 34.96

TOTAL VOLUME OF GAS RELEASED : SCC 4.99E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.078 TRITIUM 35.077

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.29E-07	2.00E-07	3.65E+00	3.64E-04
133XE	3.26E-06	3.00E-07	1.09E+01	1.63E-03
85KRM	3.52E-07	1.00E-07	3.52E+00	1.76E-04
135XE	4.02E-06	1.00E-07	4.02E+01	2.01E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 3.81E-03

ACTIVITY RELEASED RATE : CI/HR 4.97E-04 UCI/SEC 1.38E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 34 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1164

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52484 TIME 2037

RELEASE COMPLETION : DATE 52584 TIME 355

RELEASE DURATION : HRS. 7.30 OR MIN. 438.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 42.39

TOTAL VOLUME OF GAS RELEASED : SCC 5.26E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 33000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.079 TRITIUM 35.078

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.89E-06	2.00E-07	3.45E+01	3.62E-03
133XE	6.18E-06	3.00E-07	2.06E+01	3.25E-03
85KRM	1.38E-06	1.00E-07	1.38E+01	7.26E-04
135XE	9.54E-06	1.00E-07	9.54E+01	5.02E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 8.99E-03

ACTIVITY RELEASED RATE : CI/HR 1.73E-03 UCI/SEC 4.80E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 35 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1165

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52584 TIME 1601

RELEASE COMPLETION : DATE 52584 TIME 2233

RELEASE DURATION : HRS. 6.53 OR MIN. 392.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 12

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 48.09

TOTAL VOLUME OF GAS RELEASED : SCC 5.34E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 34000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.080 TRITIUM 35.079

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.42E-06	2.00E-07	2.71E+01	2.89E-03
133XE	4.59E-06	3.00E-07	1.53E+01	2.45E-03
85KRM	9.03E-07	1.00E-07	9.03E+00	4.82E-04
135XE	7.76E-06	1.00E-07	7.76E+01	4.14E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 7.07E-03

ACTIVITY RELEASED RATE : CI/HR 1.53E-03 UCI/SEC 4.24E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 36 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1166

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52684 TIME 454

RELEASE COMPLETION : DATE 52684 TIME 1505

RELEASE DURATION : HRS. 10.18 OR MIN. 611.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 30.39

TOTAL VOLUME OF GAS RELEASED : SCC 5.26E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.081 TRITIUM 35.080

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	7.30E-07	2.00E-07	3.65E+00	3.84E-04
133XE	8.24E-06	3.00E-07	2.75E+01	4.33E-03
85KRM	1.61E-06	1.00E-07	1.61E+01	8.47E-04
135XE	1.15E-05	1.00E-07	1.15E+02	6.05E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.12E-02

ACTIVITY RELEASED RATE : CI/HR 1.14E-03 UCI/SEC 3.17E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 37 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1167

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52684 TIME 2137

RELEASE COMPLETION : DATE 52784 TIME 534

RELEASE DURATION : HRS. 7.95 OR MIN. 477.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 5

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 37.54

TOTAL VOLUME OF GAS RELEASED : SCC 5.07E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.082 TRITIUM 35.081

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.67E-06	2.00E-07	8.37E+00	8.49E-04
133XE	1.00E-05	3.00E-07	3.33E+01	5.07E-03
85KRM	3.29E-06	1.00E-07	3.29E+01	1.67E-03
88KR	5.38E-06	2.00E-08	2.69E+02	2.73E-03
135XE	1.79E-05	1.00E-07	1.79E+02	9.08E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.85E-02

ACTIVITY RELEASED RATE : CI/HR 2.44E-03 UCI/SEC 6.78E-01

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 38 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1168

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52784 TIME 1255

RELEASE COMPLETION : DATE 52784 TIME 2042

RELEASE DURATION : HRS. 7.78 OR MIN. 467.

TANK PRESSURE [PSIG] : INITIAL 450 FINAL 13

TANK TEMPERATURE : DEG-F 69

AVERAGE RELEASE RATE : CFM 41.61

TOTAL VOLUME OF GAS RELEASED : SCC 5.50E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "C"

RC-NUMBER : GRAB 34.083 TRITIUM 35.082

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.07E-06	2.00E-07	5.37E+00	5.91E-04
133XE	7.16E-06	3.00E-07	2.39E+01	3.94E-03
85KRM	1.54E-06	1.00E-07	1.54E+01	8.47E-04
135XE	1.22E-05	1.00E-07	1.22E+02	6.71E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.15E-02

ACTIVITY RELEASED RATE : CI/HR 1.55E-03 UCI/SEC 4.31E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 39 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1169

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52884 TIME 1007

RELEASE COMPLETION : DATE 52884 TIME 1552

RELEASE DURATION : HRS. 5.75 OR MIN. 345.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 25

TANK TEMPERATURE : DEG-F 73

AVERAGE RELEASE RATE : CFM 50.52

TOTAL VOLUME OF GAS RELEASED : SCC 4.94E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.084 TRITIUM 35.083

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.93E-06	2.00E-07	9.64E+00	9.52E-04
133XE	9.42E-06	3.00E-07	3.14E+01	4.65E-03
85KRM	1.33E-06	1.00E-07	1.33E+01	6.56E-04
135XE	1.22E-05	1.00E-07	1.22E+02	6.02E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.13E-02

ACTIVITY RELEASED RATE : CI/HR 2.14E-03 UCI/SEC 5.93E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 40 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1170

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 52884 TIME 2308

RELEASE COMPLETION : DATE 52984 TIME 800

RELEASE DURATION : HRS. 8.87 OR MIN. 532.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 10

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 35.04

TOTAL VOLUME OF GAS RELEASED : SCC 5.28E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.085 TRITIUM 35.084

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.45E-06	2.00E-07	7.24E+00	7.64E-04
133XE	1.08E-05	3.00E-07	3.60E+01	5.70E-03
85KRM	1.31E-06	1.00E-07	1.31E+01	6.91E-04
135XE	1.09E-05	1.00E-07	1.09E+02	5.75E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.21E-02

ACTIVITY RELEASED RATE : CI/HR 1.46E-03 UCI/SEC 4.04E-01

PERCENT OF TECH. SPEC. LIMIT : < 0.01 %

TABLE 2.2 (PAGE 41 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1171

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 52984 TIME 1802

RELEASE COMPLETION : DATE 53084 TIME 200

RELEASE DURATION : HRS. 7.97 OR MIN. 478.

TANK PRESSURE [PSIG] : INITIAL 460 FINAL 5

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 42.08

TOTAL VOLUME OF GAS RELEASED : SCC 5.70E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.086 TRITIUM 35.085

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	5.12E-06	2.00E-07	2.56E+01	2.92E-03
133XE	1.59E-05	3.00E-07	5.30E+01	9.06E-03
85KRM	1.12E-06	1.00E-07	1.12E+01	6.38E-04
135XE	9.85E-06	1.00E-07	9.85E+01	5.61E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.53E-02

ACTIVITY RELEASED RATE : CI/HR 2.29E-03 UCI/SEC 6.35E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 42 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1172

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 53084 TIME 1121
 RELEASE COMPLETION : DATE 53084 TIME 1938

RELEASE DURATION : HRS. 8.28 OR MIN. 497.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 10

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 36.61

TOTAL VOLUME OF GAS RELEASED : SCC 5.15E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 94
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "B"

RC-NUMBER : GRAB 34.087 TRITIUM 35.086

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.71E-04	2.00E-07	1.36E+03	1.40E-01
133XE	1.57E-05	3.00E-07	5.23E+01	8.09E-03
85KRM	1.62E-06	1.00E-07	1.62E+01	8.35E-04
88KR	6.28E-07	2.00E-08	3.14E+01	3.24E-04
135XE	2.33E-05	1.00E-07	2.33E+02	1.20E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.13E-02

ACTIVITY RELEASED RATE : CI/HR 1.94E-02 UCI/SEC 5.40E+00

PERCENT OF TECH. SPEC. LIMIT : 0.10 %

TABLE 2.2 (PAGE 43 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1173

RELEASE MADE FROM : TANK T-6304
 RELEASE START : DATE 53184 TIME 357
 RELEASE COMPLETION : DATE 53184 TIME 1153
 RELEASE DURATION : HRS. 7.93 OR MIN. 476.
 TANK PRESSURE [PSIG] : INITIAL 410 FINAL 5
 TANK TEMPERATURE : DEG-F 72
 AVERAGE RELEASE RATE : CFM 37.62
 TOTAL VOLUME OF GAS RELEASED : SCC 5.07E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97
 EXHAUST FLOW RATE : ACFM 32000.
 STABILITY @ START OF RELEASE : CATAGORY "G"
 RC-NUMBER : GRAB 34.088 TRITIUM 35.087

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.63E-06	2.00E-07	8.15E+00	8.26E-04
133XE	1.20E-05	3.00E-07	4.00E+01	6.08E-03
85KRM	1.33E-06	1.00E-07	1.33E+01	6.74E-04
88KR	2.85E-06	2.00E-08	1.43E+02	1.44E-03
135XE	1.08E-05	1.00E-07	1.08E+02	5.48E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.37E-02

ACTIVITY RELEASED RATE : CI/HR 1.83E-03 UCI/SEC 5.08E-01

PERCENT OF TECH. SPEC. LIMIT : 0.02 %

TABLE 2.2 (PAGE 44 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1174

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 53184 TIME 2030
 RELEASE COMPLETION : DATE 6 184 TIME 458

RELEASE DURATION : HRS. 8.47 OR MIN. 508.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 36.99

TOTAL VOLUME OF GAS RELEASED : SCC 5.32E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 98
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.089 TRITIUM 35.088

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.24E-06	2.00E-07	1.12E+01	1.19E-03
133XE	1.14E-05	3.00E-07	3.80E+01	6.07E-03
85KRM	4.30E-06	1.00E-07	4.30E+01	2.29E-03
88KR	5.90E-06	2.00E-08	2.95E+02	3.14E-03
135XE	1.30E-05	1.00E-07	1.30E+02	6.92E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.84E-02

ACTIVITY RELEASED RATE : CI/HR 2.32E-03 UCI/SEC 6.43E-01

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 45 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1175

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 6 184 TIME 1855
 RELEASE COMPLETION : DATE 6 284 TIME 403

RELEASE DURATION : HRS. 9.13 OR MIN. 548.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 32.27

TOTAL VOLUME OF GAS RELEASED : SCC 5.01E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97
 EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.090 TRITIUM 35.089

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	2.87E-03
133XE	1.31E-05	3.00E-07	4.37E+01	6.57E-03
85KRM	1.38E-06	1.00E-07	1.38E+01	6.91E-04
135XE	1.12E-05	1.00E-07	1.12E+02	5.61E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.29E-02

ACTIVITY RELEASED RATE : CI/HR 1.72E-03 UCI/SEC 4.79E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 46 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1176

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 6 284 TIME 1501

RELEASE COMPLETION : DATE 6 384 TIME 345

RELEASE DURATION : HRS. 12.73 OR MIN. 764.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 23.19

TOTAL VOLUME OF GAS RELEASED : SCC 5.02E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.091 TRITIUM 35.090

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.23E-06	2.00E-07	3.12E+01	3.13E-03
133XE	2.49E-05	3.00E-07	8.30E+01	1.25E-02
85KRM	2.43E-06	1.00E-07	2.43E+01	1.22E-03
135XE	2.68E-05	1.00E-07	2.68E+02	1.34E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.72E-02

ACTIVITY RELEASED RATE : CI/HR 2.38E-03 UCI/SEC 6.61E-01

PERCENT OF TECH. SPEC. LIMIT : 0.01 %

TABLE 2.2 (PAGE 47 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1177

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 6 384 TIME 1238

RELEASE COMPLETION : DATE 6 384 TIME 2005

RELEASE DURATION : HRS. 7.45 OR MIN. 447.

TANK PRESSURE [PSIG] : INITIAL 415 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 40.06

TOTAL VOLUME OF GAS RELEASED : SCC 5.07E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.092 TRITIUM 35.091

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.01E-06	2.00E-07	1.01E+01	1.02E-03
133XE	8.07E-05	3.00E-07	2.69E+02	4.09E-02
85KRM	1.40E-06	1.00E-07	1.40E+01	7.10E-04
133XEM	2.97E-06	3.00E-07	9.90E+00	1.51E-03
135XE	2.25E-05	1.00E-07	2.25E+02	1.14E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 5.45E-02

ACTIVITY RELEASED RATE : CI/HR 7.46E-03 UCI/SEC 2.07E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 48 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1178

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 6 484 TIME 303
 RELEASE COMPLETION : DATE 6 484 TIME 1203

RELEASE DURATION : HRS. 9.00 OR MIN. 540.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10

TANK TEMPERATURE : DEG-F 70

AVERAGE RELEASE RATE : CFM 32.87

TOTAL VOLUME OF GAS RELEASED : SCC 5.03E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.093 TRITIUM 35.092

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.95E-06	2.00E-07	4.47E+01	4.50E-03
133XE	2.19E-03	3.00E-07	7.30E+03	1.10E+00
85KRM	8.36E-06	1.00E-07	8.36E+01	4.20E-03
88KR	1.10E-05	2.00E-08	5.50E+02	5.53E-03
133XEM	5.30E-05	3.00E-07	1.77E+02	2.66E-02
135XE	7.74E-05	1.00E-07	7.74E+02	3.89E-02
87KR	1.28E-06	2.00E-08	6.40E+01	6.43E-04
85KR	6.45E-04	3.00E-07	2.15E+03	3.24E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 1.50E+00

ACTIVITY RELEASED RATE : CI/HR 1.67E-01 UCI/SEC 4.65E+01

PERCENT OF TECH. SPEC. LIMIT : 0.58 %

TABLE 2.2 (PAGE 49 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1179

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 6 584 TIME 425

RELEASE COMPLETION : DATE 6 584 TIME 1101

RELEASE DURATION : HRS. 6.60 OR MIN. 396.

TANK PRESSURE [PSIG] : INITIAL 395 FINAL 5

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 43.54

TOTAL VOLUME OF GAS RELEASED : SCC 4.88E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.094 TRITIUM 35.093

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.29E-07	2.00E-07	4.15E+00	4.05E-04
133XE	1.66E-04	3.00E-07	5.53E+02	8.10E-02
135XE	4.78E-06	1.00E-07	4.78E+01	2.33E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 8.34E-02

ACTIVITY RELEASED RATE : CI/HR 1.27E-02 UCI/SEC 3.53E+00

PERCENT OF TECH. SPEC. LIMIT : 0.04 %

TABLE 2.2 (PAGE 50 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1180

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 6 684 TIME 120
 RELEASE COMPLETION : DATE 6 684 TIME 947

RELEASE DURATION : HRS. 8.45 OR MIN. 507.

TANK PRESSURE [PSIG] : INITIAL 410 FINAL 10

TANK TEMPERATURE : DEG-F 73

AVERAGE RELEASE RATE : CFM 34.32

TOTAL VOLUME OF GAS RELEASED : SCC 5.00E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93
 EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "F"

RC-NUMBER : GRAB 34.095 TRITIUM 35.094

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.11E-06	2.00E-07	5.55E+00	5.55E-04
133XE	7.89E-04	3.00E-07	2.63E+03	3.94E-01
85KRM	1.07E-06	1.00E-07	1.07E+01	5.35E-04
133XEM	1.36E-05	3.00E-07	4.53E+01	6.80E-03
135XE	1.68E-05	1.00E-07	1.68E+02	8.40E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 4.10E-01

ACTIVITY RELEASED RATE : CI/HR 4.86E-02 UCI/SEC 1.35E+01

PERCENT OF TECH. SPEC. LIMIT : 0.16 %

TABLE 2.2 (PAGE 51 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1181

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 6 784 TIME 445
 RELEASE COMPLETION : DATE 6 784 TIME 955

RELEASE DURATION : HRS. 5.17 OR MIN. 310.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 25

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 57.54

TOTAL VOLUME OF GAS RELEASED : SCC 5.05E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95
 EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.096 TRITIUM 35.095

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.21E-06	2.00E-07	6.06E+00	6.12E-04
133XE	2.37E-04	3.00E-07	7.90E+02	1.20E-01
85KRM	4.19E-07	1.00E-07	4.19E+00	2.12E-04
133XEM	3.35E-06	3.00E-07	1.12E+01	1.69E-03
135XE	1.54E-05	1.00E-07	1.54E+02	7.78E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.29E-01

ACTIVITY RELEASED RATE : CI/HR 2.52E-02 UCI/SEC 5.99E+00

PERCENT OF TECH. SPEC. LIMIT : 0.09 %

TABLE 2.2 (PAGE 52 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1182

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 6 884 TIME 453

RELEASE COMPLETION : DATE 6 884 TIME 1058

RELEASE DURATION : HRS. 6.08 OR MIN. 365.

TANK PRESSURE [PSIG] : INITIAL 435 FINAL 20

TANK TEMPERATURE : DEG-F 71

AVERAGE RELEASE RATE : CFM 50.36

TOTAL VOLUME OF GAS RELEASED : SCC 5.21E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.097 TRITIUM 35.096

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.14E-06	2.00E-07	5.69E+00	5.92E-04
133XE	1.13E-04	3.00E-07	3.77E+02	5.88E-02
85KRM	1.26E-05	1.00E-07	1.26E+02	6.56E-03
88KR	1.48E-05	2.00E-08	7.40E+02	7.70E-03
135XE	8.15E-05	1.00E-07	8.15E+02	4.24E-02
87KR	2.64E-06	2.00E-08	1.32E+02	1.37E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.17E-01

ACTIVITY RELEASED RATE : CI/HR 1.93E-02 UCI/SEC 5.36E+00

PERCENT OF TECH. SPEC. LIMIT : 0.17 %

TABLE 2.2 (PAGE 53 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1183

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 6 984 TIME 655

RELEASE COMPLETION : DATE 6 984 TIME 1225

RELEASE DURATION : HRS. 5.50 OR MIN. 330.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 20

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 54.72

TOTAL VOLUME OF GAS RELEASED : SCC 5.11E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAF 34.098 TRITIUM 35.097

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.23E-07	2.00E-07	4.62E+00	4.72E-04
133XE	8.87E-05	3.00E-07	2.96E+02	4.54E-02
85KRM	6.26E-07	1.00E-07	6.26E+01	3.20E-03
88KR	4.48E-06	2.00E-08	2.24E+02	2.29E-03
133XEM	2.04E-06	3.00E-07	6.80E+00	1.04E-03
135XE	5.90E-05	1.00E-07	5.90E+02	3.02E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 2.41E-02

ACTIVITY RELEASED RATE : CI/HR 1.50E-02 UCI/SEC 4.17E+00

PERCENT OF TECH. SPEC. LIMIT : 0.10 %

TABLE 2.2 (PAGE 54 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1184

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 61084 TIME 233

RELEASE COMPLETION : DATE 61084 TIME 800

RELEASE DURATION : HRS. 5.45 OR MIN. 327.

TANK PRESSURE [PSIG] : INITIAL 440 FINAL 25

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 56.11

TOTAL VOLUME OF GAS RELEASED : SCC 5.20E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 96

EXHAUST FLOW RATE : CFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "G"

RC-NUMBER : GRAB 34.099 TRITIUM 35.098

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	1.57E-03
133XE	8.87E-05	3.00E-07	2.96E+02	4.61E-02
85KRM	1.75E-05	1.00E-07	1.75E+02	9.09E-03
88KR	3.75E-05	2.00E-08	1.88E+03	1.95E-02
133XE	5.24E-05	3.00E-07	1.75E+02	2.72E-02
87KR	1.86E-05	2.00E-08	9.30E+02	9.66E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.12E-01

ACTIVITY RELEASED RATE : CI/HR 2.08E-02 UCI/SEC 5.77E+00

PERCENT OF TECH. SPEC. LIMIT : 0.31 %

TABLE 2.2 (PAGE 55 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1185

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 61184 TIME 505

RELEASE COMPLETION : DATE 61184 TIME 1158

RELEASE DURATION : HRS. 6.88 OR MIN. 413.

TANK PRESSURE [PSIG] : INITIAL 430 FINAL 25

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 43.19

TOTAL VOLUME OF GAS RELEASED : SCC 5.05E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 93

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.100 TRITIUM 35.099

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	8.64E-07	2.00E-07	4.32E+00	4.36E-04
133XE	6.89E-05	3.00E-07	2.30E+02	3.48E-02
85KRM	1.53E-06	1.00E-07	1.53E+01	7.73E-04
135XE	2.63E-05	1.00E-07	2.63E+02	1.33E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 4.89E-02

ACTIVITY RELEASED RATE : CI/HR 7.16E-03 UCI/SEC 1.99E+00

PERCENT OF TECH. SPEC. LIMIT : 0.03 %

TABLE 2.2 (PAGE 56 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1186

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 61184 TIME 2116

RELEASE COMPLETION : DATE 61284 TIME 610

RELEASE DURATION : HRS. 8.90 OR MIN. 534.

TANK PRESSURE [PSIG] : INITIAL 390 FINAL 10

TANK TEMPERATURE : DEG-F 72

AVERAGE RELEASE RATE : CFM 31.46

TOTAL VOLUME OF GAS RELEASED : SCC 4.76E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.101 TRITIUM 35.100

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	2.30E-03
133XE	7.56E-05	3.00E-07	2.52E+02	3.60E-02
85KRM	5.17E-05	1.00E-07	5.17E+02	2.46E-02
88KR	9.16E-05	2.00E-08	4.58E+03	4.36E-02
135XE	1.67E-04	1.00E-07	1.67E+03	7.94E-02
87KR	3.17E-05	2.00E-08	1.59E+03	1.51E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 1.99E-01

ACTIVITY RELEASED RATE : CI/HR 2.26E-02 UCI/SEC 6.27E+00

PERCENT OF TECH. SPEC. LIMIT : 0.43 %

TABLE 2.2 (PAGE 57 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1187

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 61384 TIME 440

RELEASE COMPLETION : DATE 61384 TIME 1300

RELEASE DURATION : HRS. 8.33 OR MIN. 500.

TANK PRESSURE [PSIG] : INITIAL 415 FINAL 5

TANK TEMPERATURE : DEG-F 76

AVERAGE RELEASE RATE : CFM 35.98

TOTAL VOLUME OF GAS RELEASED : SCC 5.09E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 95

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.102 TRITIUM 35.101

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.32E-07	2.00E-07	1.16E+00	1.18E-04
133XE	8.71E-05	3.00E-07	2.90E+02	4.44E-02
85KRM	7.29E-06	1.00E-07	7.29E+01	3.71E-03
88KR	7.40E-06	2.00E-08	3.70E+02	3.77E-03
135XE	4.74E-05	1.00E-07	4.74E+02	2.41E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 7.60E-02

ACTIVITY RELEASED RATE : CI/HR 9.13E-03 UCI/SEC 2.54E+00

PERCENT OF TECH. SPEC. LIMIT : 0.07 %

TABLE 2.2 (PAGE 58 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1188

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 61484 TIME 1930

RELEASE COMPLETION : DATE 61584 TIME 612

RELEASE DURATION : HRS. 10.70 OR MIN. 642.

TANK PRESSURE [PSIG] : INITIAL 390 FINAL 14

TANK TEMPERATURE : DEG-F 76

AVERAGE RELEASE RATE : CFM 25.70

TOTAL VOLUME OF GAS RELEASED : SCC 4.67E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 102

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.103 TRITIUM 35.102

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.52E-05	2.00E-07	3.26E+02	3.05E-02
133XE	1.35E-04	3.00E-07	4.50E+02	6.31E-02
85KRM	1.07E-05	1.00E-07	1.07E+02	5.00E-03
88KR	1.15E-05	2.00E-08	5.75E+02	5.37E-03
133XEM	4.44E-06	3.00E-07	1.48E+01	2.07E-03
135XE	5.77E-05	1.00E-07	5.77E+02	2.70E-02
87KR	1.48E-06	2.00E-08	7.40E+01	6.91E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 1.03E-01

ACTIVITY RELEASED RATE : CI/HR 1.25E-02 UCI/SEC 3.47E+00

PERCENT OF TECH. SPEC. LIMIT : 0.09 %

TABLE 2.2 (PAGE 59 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1189

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 61684 TIME 1748

RELEASE COMPLETION : DATE 61784 TIME 348

RELEASE DURATION : HRS. 10.00 OR MIN. 600.

TANK PRESSURE [PSIG] : INITIAL 400 FINAL 0

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 29.36

TOTAL VOLUME OF GAS RELEASED : SCC 4.99E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 102

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "A"

RC-NUMBER : GRAB 34.104 TRITIUM 35.103

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.32E-05	2.00E-07	6.60E+01	6.58E-03
133XE	2.27E-04	3.00E-07	7.57E+02	1.13E-01
85KRM	5.53E-06	1.00E-07	5.53E+01	2.76E-03
88KR	6.18E-06	2.00E-08	3.09E+02	3.08E-03
133XEM	5.15E-06	3.00E-07	1.72E+01	2.57E-03
135XE	2.87E-05	1.00E-07	2.87E+02	1.43E-02
87KR	2.87E-06	2.00E-08	1.44E+02	1.43E-03
85KR	2.41E-04	3.00E-07	8.03E+02	1.20E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.58E-01

ACTIVITY RELEASED RATE : CI/HR 2.64E-02 UCI/SEC 7.34E+00

PERCENT OF TECH. SPEC. LIMIT : 0.11 %

TABLE 2.2 (PAGE 60 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1190

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 61784 TIME 1950
 RELEASE COMPLETION : DATE 61884 TIME 607
 RELEASE DURATION : HRS. 10.28 OR MIN. 617.
 TANK PRESSURE [PSIG] : INITIAL 390 FINAL 11
 TANK TEMPERATURE : DEG-F 75
 AVERAGE RELEASE RATE : CFM 27.00
 TOTAL VOLUME OF GAS RELEASED : SCC 4.72E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 101
 EXHAUST FLOW RATE : ACFM 32000.
 STABILITY @ START OF RELEASE : CATAGORY "E"
 RC-NUMBER : GRAB 34.105 TRITIUM 35.104

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.76E-05	2.00E-07	1.38E+02	1.30E-02
133XE	2.20E-04	3.00E-07	7.33E+02	1.04E-01
85KRM	1.39E-06	1.00E-07	1.39E+01	6.56E-04
133XEM	5.72E-06	3.00E-07	1.91E+01	2.70E-03
135XE	2.00E-05	1.00E-07	2.00E+02	9.44E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 1.17E-01

ACTIVITY RELEASED RATE : CI/HR 1.26E-02 UCI/SEC 3.50E+00

PERCENT OF TECH. SPEC. LIMIT : 0.05 %

TABLE 2.2 (PAGE 61 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1191

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 61984 TIME 2205

RELEASE COMPLETION : DATE 62084 TIME 650

RELEASE DURATION : HRS. 8.75 OR MIN. 525.

TANK PRESSURE [PSIG] : INITIAL 380 FINAL 15

TANK TEMPERATURE : DEG-F 76

AVERAGE RELEASE RATE : CFM 30.51

TOTAL VOLUME OF GAS RELEASED : SCC 4.54E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 101

EXHAUST FLOW RATE : ACFM 30000.

STABILITY @ START OF RELEASE : CATAGORY "E"

RC-NUMBER : GRAB 34.106 TRITIUM 35.105

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.83E-05	2.00E-07	1.41E+02	1.28E-02
133XE	1.70E-03	3.00E-07	5.67E+03	7.71E-01
133XEM	1.48E-05	3.00E-07	4.93E+01	6.71E-03
135XE	5.59E-06	1.00E-07	5.59E+01	2.54E-03
85KR	1.58E-04	3.00E-07	5.27E+02	7.17E-02

TOTAL CURIES OF NOBEL GAS RELEASED : 8.52E-01

ACTIVITY RELEASED RATE : CI/HR 9.88E-02 UCI/SEC 2.75E+01

PERCENT OF TECH. SPEC. LIMIT : 0.31 %

TABLE 2.2 (PAGE 62 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1192

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 62184 TIME 1915
 RELEASE COMPLETION : DATE 62284 TIME 627
 RELEASE DURATION : HRS. 11.20 OR MIN. 672.
 TANK PRESSURE [PSIG] : INITIAL 420 FINAL 13
 TANK TEMPERATURE : DEG-F 76
 AVERAGE RELEASE RATE : CFM 26.58
 TOTAL VOLUME OF GAS RELEASED : SCC 5.06E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 103
 EXHAUST FLOW RATE : ACFM 30000.
 STABILITY @ START OF RELEASE : CATAGORY "F"
 RC-NUMBER : GRAB 34.107 TRITIUM 35.106

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	2.05E-05	2.00E-07	1.03E+02	1.04E-02
133XE	1.58E-03	3.00E-07	5.27E+03	7.99E-01
85KRM	1.89E-06	1.00E-07	1.89E+01	9.56E-04
88KR	3.21E-06	2.00E-08	1.61E+02	1.62E-03
133XEM	1.09E-05	3.00E-07	3.63E+01	5.51E-03
135XE	1.24E-05	1.00E-07	1.24E+02	6.27E-03

TOTAL CURIES OF NOBEL GAS RELEASED : 8.13E-01

ACTIVITY RELEASED RATE : CI/HR 7.35E-02 UCI/SEC 2.04E+01

PERCENT OF TECH. SPEC. LIMIT : 0.24 %

TABLE 2.2 (PAGE 63 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1193

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 62384 TIME 445

RELEASE COMPLETION : DATE 62384 TIME 1020

RELEASE DURATION : HRS. 5.58 OR MIN. 335.

TANK PRESSURE [PSIG] : INITIAL 350 FINAL 50

TANK TEMPERATURE : DEG-F 78

AVERAGE RELEASE RATE : CFM 39.15

TOTAL VOLUME OF GAS RELEASED : SCC 3.71E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 103

EXHAUST FLOW RATE : ACFM 32000.

STABILITY @ START OF RELEASE : CATAGORY "D"

RC-NUMBER : GRAB 34.108 TRITIUM 35.107

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	1.21E-05	2.00E-07	6.05E+01	4.49E-03
133XE	7.48E-03	3.00E-07	2.49E+04	2.78E+00
85KRM	2.19E-05	1.00E-07	2.19E+02	8.13E-03
88KR	2.49E-05	2.00E-08	1.25E+03	9.25E-03
133XEM	1.43E-04	3.00E-07	4.67E+02	5.20E-02
135XE	1.30E-04	1.00E-07	1.30E+03	4.83E-02
87KR	2.66E-06	2.00E-08	1.33E+02	9.88E-04

TOTAL CURIES OF NOBEL GAS RELEASED : 2.90E+00

ACTIVITY RELEASED RATE : CI/HR 5.20E-01 UCI/SEC 1.44E+02

PERCENT OF TECH. SPEC. LIMIT : 1.75 %

TABLE 2.2 (PAGE 64 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1194

RELEASE MADE FROM : TANK T-6303

RELEASE START : DATE 62384 TIME 1720

RELEASE COMPLETION : DATE 62484 TIME 3

RELEASE DURATION : HRS. 6.72 OR MIN. 403.

TANK PRESSURE [PSIG] : INITIAL 420 FINAL 23

TANK TEMPERATURE : DEG-F 74

AVERAGE RELEASE RATE : CFM 43.39

TOTAL VOLUME OF GAS RELEASED : SCC 4.95E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 97

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY "B"

RC-NUMBER : GRAB 34.109 TRITIUM 35.108

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	6.28E-05	2.00E-07	3.14E+02	3.11E-02
133XE	1.43E-02	3.00E-07	4.77E+04	7.08E+00
85KRM	7.68E-06	1.00E-07	7.68E+01	3.80E-03
88KR	3.79E-06	2.00E-08	1.90E+02	1.88E-03
133XEM	2.51E-04	3.00E-07	8.37E+02	1.24E-01
135XE	9.56E-05	1.00E-07	9.56E+02	4.73E-02
85KR	7.55E-04	3.00E-07	2.52E+03	3.74E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 7.63E+00

ACTIVITY RELEASED RATE : CI/HR 1.14E+00 UCI/SEC 3.17E+02

PERCENT OF TECH. SPEC. LIMIT : 3.59 %

TABLE 2.2 (PAGE 65 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1195

RELEASE MADE FROM : TANK T-6304

RELEASE START : DATE 62584 TIME 1942

RELEASE COMPLETION : DATE 62684 TIME 350

RELEASE DURATION : HRS. 8.13 OR MIN. 488.

TANK PRESSURE [PSIQ] : INITIAL 390 FINAL 5

TANK TEMPERATURE : DEG-F 75

AVERAGE RELEASE RATE : CFM 34.68

TOTAL VOLUME OF GAS RELEASED : SCC 4.79E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 91

EXHAUST FLOW RATE : ACFM 31000.

STABILITY @ START OF RELEASE : CATAGORY " "

RC-NUMBER : GRAB 34.110 TRITIUM 35.109

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	9.70E-05	2.00E-07	4.85E+02	4.65E-02
133XE	5.68E-03	3.00E-07	1.89E+04	2.72E+00
133XEM	1.21E-04	3.00E-07	4.03E+02	5.80E-02
135XE	5.16E-05	1.00E-07	5.16E+02	2.47E-02
85KR	7.14E-04	3.00E-07	2.38E+03	3.42E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 3.15E+00

ACTIVITY RELEASED RATE : CI/HR 3.93E-01 UCI/SEC 1.09E+02

PERCENT OF TECH. SPEC. LIMIT : 1.24 %

TABLE 2.2 (PAGE 66 OF 66)

GAS WASTE SUMMARY FOR RELEASE NUMBER : 1196

RELEASE MADE FROM : TANK T-6303
 RELEASE START : DATE 62984 TIME 1800
 RELEASE COMPLETION : DATE 63084 TIME 645
 RELEASE DURATION : HRS. 12.75 OR MIN. 765.
 TANK PRESSURE [PSIG] : INITIAL 420 FINAL 20
 TANK TEMPERATURE : DEG-F 71
 AVERAGE RELEASE RATE : CFM 23.16
 TOTAL VOLUME OF GAS RELEASED : SCC 5.02E+08

REACTOR BUILDING VENTILLATION SYSTEM

EXHAUST TEMPERATURE : DEG-F 90
 EXHAUST FLOW RATE : ACFM 31000.
 STABILITY @ START OF RELEASE : CATAGORY " "
 RC-NUMBER : GRAB 34.111 TRITIUM 35.110

ACTIVITY RELEASED BY NUCLIDE

ISOTOPE	ACTIVITY UCI/SCC	MPC(A) UCI/SCC	ACTIVITY /MPC(A)	TOTAL CURIES
3H	4.40E-05	2.00E-07	2.20E+02	2.21E-02
133XE	4.18E-03	3.00E-07	1.39E+04	2.10E+00
133XEM	3.62E-05	3.00E-07	1.21E+02	1.82E-02
85KR	1.06E-03	3.00E-07	3.53E+03	5.32E-01

TOTAL CURIES OF NOBEL GAS RELEASED : 2.65E+00

ACTIVITY RELEASED RATE : CI/HR 2.09E-01 UCI/SEC 5.82E+01

PERCENT OF TECH. SPEC. LIMIT : 0.65 %

GAS WASTE SUMMARY FOR RELEASE 1131 THROUGH 1196

REPORT PERIOD OF : 2nd QUARTER, 1984

ISOTOPE	TOTAL CURIES
3H	5.34E-01
85KR	2.33E+00
85KRM	9.02E-02
87KR	2.99E-02
88KR	1.13E-01
131XEM	3.25E-03
133XE	1.86E+01
133XEM	3.10E-01
135XE	5.48E-01

TOTAL NOBEL GAS RELEASED	:	CURIES	2.21E+01
TOTAL TRITIUM RELEASED	:	CURIES	5.34E-01
MAXIMUM AVERAGE RELEASE RATE	:	CI/HR	1.14E+00
	:	UCI/SEC	3.17E+02
TOTAL VOLUME GAS RELEASED	:	CC	3.25E+10

SYSTEM	ALPHA	BETA	TRITIUM	
FARM POND				
	4.58E-08	1.00E-07	1.30E-05	MAXIMUM
	1.17E-08	6.55E-08	5.84E-07	MINIMUM
	2.09E-08 (21)	7.94E-08 (21)	3.43E-06 (21)	AVERAGE
COOLING TOWER B/D-DURING				
	1.60E-08	3.76E-08	4.64E-04	MAXIMUM
	1.49E-09	6.71E-09	1.35E-05	MINIMUM
	6.12E-09 (22)	1.24E-08 (22)	1.10E-04 (22)	AVERAGE
COOLING TOWER B/D-WEEKLY				
	9.81E-09	1.73E-08	1.67E-05	MAXIMUM
	1.90E-09	7.58E-09	5.50E-07	MINIMUM
	5.15E-09 (13)	1.04E-08 (13)	2.35E-06 (13)	AVERAGE
REACTOR BLDG. SUMP				
	4.98E-08	2.32E-06	6.99E-03	MAXIMUM
	1.14E-08	6.49E-08	8.75E-05	MINIMUM
	1.94E-08 (80)	1.24E-07 (80)	7.26E-04 (80)	AVERAGE
TURBINE BLDG. SUMP				
	7.22E-08	1.77E-07	7.77E-05	MAXIMUM
	1.15E-08	5.89E-08	5.84E-06	MINIMUM
	2.12E-08 (39)	8.22E-08 (39)	3.05E-05 (39)	AVERAGE
SYSTEM 21, LOOP 1				
	3.28E-08	9.32E-08	1.61E-04	MAXIMUM
	1.15E-08	5.88E-08	2.46E-05	MINIMUM
	2.01E-08 (3)	8.13E-08 (3)	1.02E-04 (3)	AVERAGE
SYSTEM 21, Loop 2				
	3.28E-08	9.32E-08	1.66E-04	MAXIMUM
	1.15E-08	8.28E-08	2.34E-05	MINIMUM
	2.01E-08 (3)	8.93E-08 (3)	1.03E-04 (3)	AVERAGE
SYSTEM 31				
	2.48E-08	7.90E-08	9.78E-05	MAXIMUM
	1.15E-08	5.88E-08	1.39E-05	MINIMUM
	1.38E-08 (27)	7.17E-08 (27)	4.22E-05 (27)	AVERAGE
SYSTEM 41				
	1.41E-08	7.68E-08	5.88E-07	MAXIMUM
	1.20E-08	7.23E-08	5.87E-07	MINIMUM
	1.31E-08 (2)	7.46E-08 (2)	5.88E-07 (2)	AVERAGE
SYSTEM 42				
	1.51E-08	7.55E-08	5.88E-07	MAXIMUM
	1.17E-08	7.20E-08	5.87E-07	MINIMUM
	1.34E-08 (2)	7.38E-08 (2)	5.88E-07 (2)	AVERAGE

- NOTES: 1. All activities expressed in units of $\mu\text{Ci/ml}$
2. () Represents the number of samples represented by the average value.

SYSTEM	ALPHA	BETA	TRITIUM	
SYSTEM 46, LOOP 1				
	4.79E-08	9.98E-08	7.49E-04	MAXIMUM
	1.15E-08	6.13E-08	3.01E-04	MINIMUM
	1.98E-08 (10)	7.92E-08 (10)	5.90E-04 (10)	AVERAGE
SYSTEM 46, LOOP 2				
	3.51E-08	9.98E-08	1.41E-04	MAXIMUM
	1.15E-08	6.13E-08	7.83E-05	MINIMUM
	1.85E-08 (10)	7.92E-08 (10)	1.25E-04 (10)	AVERAGE
SYSTEM 47, LOOP 1				
	3.51E-08	9.98E-08	6.78E-03	MAXIMUM
	1.15E-08	5.88E-08	5.99E-03	MINIMUM
	1.85E-08 (10)	8.16E-08 (10)	6.26E-03 (10)	AVERAGE
SYSTEM 47, LOOP 2				
	3.51E-08	9.98E-08	6.74E-03	MAXIMUM
	1.15E-08	6.40E-08	5.94E-03	MINIMUM
	2.04E-08 (10)	8.03E-08 (10)	6.49E-03 (10)	AVERAGE

- NOTES: 1. All activities expressed in units of $\mu\text{Ci/ml}$
2. () Represents the number of samples represented by the average value.

