

ENCLOSURE 1

**RADIOACTIVE EFFLUENT RELEASE REPORT FOR
JANUARY 1 – DECEMBER 31, 2007**

38 pages follow

NUCLEAR MANAGEMENT COMPANY
MONTICELLO NUCLEAR GENERATING PLANT
License No. DPR-22

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Supplemental Information

1. Regulatory Limits - Quarterly levels requiring reporting to
Nuclear Regulatory Commission

A. Noble Gases :

5 mrad/quarter gamma radiation
10 mrad/quarter beta radiation

B. Long Lived Iodines, Particulates, and Tritium :

7.5 mrem/quarter dose to any organ

C. Liquid Effluents :

1.5 mrem/quarter dose to the total body
5.0 mrem/quarter dose to any organ

2. Maximum Permissible Concentrations

A. Noble Gases :

10 CFR Part 20, Appendix B, Table II, Column 1

B. Long Lived Iodines, Particulates, and Tritium :

10 CFR Part 20, Appendix B, Table II, Column 1

C. Liquid Effluents :

10 CFR Part 20, Appendix B, Table II, Column 2
2.0 E-4 uci/ml for dissolved and entrained gases

3. Average Energy

(Not Applicable)

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Supplemental Information (continued)

4. Measurements and Approximations of Total Radioactivity

A. Noble Gases :

Continuous gross activity monitors in Reactor Building Vent and Plant Stack exhaust streams. Weekly isotopic analysis of exhaust streams.

B. Iodines in Gaseous Effluent :

Continuous monitoring with charcoal cartridges in Reactor Building Vent and Plant Stack exhaust streams with weekly analysis.

C. Particulates in Gaseous Effluent :

Continuous monitoring with particulate filters in Reactor Building Vent and Plant Stack exhaust streams with weekly analysis.

D. Tritium in Gaseous Effluent :

Monthly grab samples from Reactor Building Vent and Plant Stack exhaust streams.

E. Liquid Effluents :

Tank sample analyzed prior to each planned release and continuous monitoring of gross activity during planned release.

5. Batch Releases

A. Liquid :

1. Number of Batch Releases	0	
2. Total Time Period for Batch Releases	0.0	min
3. Maximum Time Period for a Batch Release	0.0	min
4. Average Time Period for a Batch Release	0.0	min
5. Minimum Time Period for a Batch Release	0.0	min
6. Average River Flow During Release	0.0	cf/sec

B. Gaseous :

1. Number of Batch Releases	5	
2. Total Time Period for Batch Releases	4175.0	min
3. Maximum Time Period for a Batch Release	1457.0	min
4. Average Time Period for a Batch Release	835.0	min
5. Minimum Time Period for a Batch Release	248.0	min

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Supplemental Information (continued)

6. Abnormal Releases

A. Liquid :

1. Number of Releases	1	
2. Total Activity Released	2.37E-05	Ci

B. Gaseous :

1. Number of Releases	0	
2. Total Activity Released	0.0	Ci

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1A Gaseous Effluents - Summation of all Releases

	Units	1st Qtr	2nd Qtr	Est. Total Error, %
--	-------	---------	---------	------------------------

A. Fission & Activation gases

1. Total Release	Ci	3.77E+01	2.04E+01	2.00E+01
2. Average Release Rate	uci/sec	4.85E+00	2.59E+00	
3. Percent Tech Spec Qtrly Reporting Level				
Gamma Radiation	%	2.52E-02	7.99E-03	
Beta Radiation	%	5.40E-02	1.26E-03	

B. Iodines

1. Total I-131 Release	Ci	4.27E-04	2.51E-04	1.00E+01
2. Average I-131 Release Rate	uci/sec	5.49E-05	3.20E-05	

C. Particulates

1. Total Particulates	Ci	2.14E-04	9.28E-05	3.00E+01
2. Average Release Rate	uci/sec	2.75E-05	1.18E-05	
3. Gross Alpha Radioactivity	Ci	6.58E-07	6.94E-07	

D. Tritium

1. Total Release	Ci	1.36E+01	8.48E+00	1.00E+01
2. Average Release Rate	uci/sec	1.75E+00	1.08E+00	

E. Percent Qtrly Tech Spec Reporting Levels

1. Iodines, Particulates, and Tritium	%	3.22E-02	1.60E-02	
--	---	----------	----------	--

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1A Gaseous Effluents - Summation of all Releases

	Units	3rd Qtr	4th Qtr	Est. Total Error, %
--	-------	---------	---------	------------------------

A. Fission & Activation gases

1. Total Release	Ci	3.05E+01	1.10E+02	2.00E+01
2. Average Release Rate	uci/sec	3.84E+00	1.38E+01	
3. Percent Tech Spec Qtrly Reporting Level				
Gamma Radiation	%	9.20E-03	1.92E-02	
Beta Radiation	%	3.01E-03	5.41E-03	

B. Iodines

1. Total I-131 Release	Ci	9.60E-04	3.56E-03	1.00E+01
2. Average I-131 Release Rate	uci/sec	1.21E-04	4.47E-04	

C. Particulates

1. Total Particulates	Ci	2.54E-04	2.28E-04	3.00E+01
2. Average Release Rate	uci/sec	3.19E-05	2.86E-05	
3. Gross Alpha Radioactivity	Ci	7.40E-07	4.62E-07	

D. Tritium

1. Total Release	Ci	1.01E+01	7.31E+00	1.00E+01
2. Average Release Rate	uci/sec	1.27E+00	9.20E-01	

E. Percent Qtrly Tech Spec Reporting Levels

1. Iodines, Particulates, and Tritium	%	2.89E-02	1.79E-02	
--	---	----------	----------	--

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1B Gaseous Effluents - Elevated Releases

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		1st Qtr	2nd Qtr	1st Qtr	2nd Qtr
1. Fission Gases					
KR-85M	Ci	4.30E-01	1.46E-01	0.00E+00	0.00E+00
KR-87	Ci	1.08E+00	2.69E-01	0.00E+00	0.00E+00
KR-88	Ci	1.07E+00	3.37E-01	0.00E+00	0.00E+00
XE-133	Ci	9.29E+00	6.41E+00	0.00E+00	0.00E+00
XE-133M	Ci	1.44E-01	2.63E-02	0.00E+00	0.00E+00
XE-135	Ci	8.27E+00	2.26E+00	1.38E-03	2.33E-03
XE-135M	Ci	4.05E+00	1.95E+00	0.00E+00	0.00E+00
XE-137	Ci	3.72E+00	4.22E+00	0.00E+00	0.00E+00
XE-138	Ci	8.32E+00	4.76E+00	0.00E+00	0.00E+00
AR-41	Ci	3.80E-02	0.00E+00	1.67E-02	9.17E-03
Total for Period	Ci	3.64E+01	2.04E+01	1.81E-02	1.15E-02
2. Iodines					
I-131	Ci	1.83E-04	9.81E-05	0.00E+00	0.00E+00
I-133	Ci	1.35E-03	9.94E-04	0.00E+00	0.00E+00
I-135	Ci	2.31E-03	1.69E-03	0.00E+00	0.00E+00
Total for Period	Ci	3.85E-03	2.78E-03	0.00E+00	0.00E+00
3. Particulates					
CR-51	Ci	2.36E-07	0.00E+00	0.00E+00	0.00E+00
CO-60	Ci	1.07E-06	1.05E-06	0.00E+00	0.00E+00
CS-137	Ci	6.35E-08	5.37E-08	0.00E+00	0.00E+00
BA-140	Ci	7.15E-06	9.48E-06	0.00E+00	0.00E+00
SR-89	Ci	3.28E-06	4.01E-06	0.00E+00	0.00E+00
SR-90	Ci	0.00E+00	7.73E-08	0.00E+00	0.00E+00
Total for Period	Ci	1.18E-05	1.47E-05	0.00E+00	0.00E+00

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1B Gaseous Effluents - Elevated Releases

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		3rd Qtr	4th Qtr	3rd Qtr	4th Qtr

1. Fission Gases

KR-85M	Ci	3.25E-02	1.89E-01	0.00E+00	0.00E+00
KR-87	Ci	1.11E-01	7.19E-01	0.00E+00	0.00E+00
KR-88	Ci	1.18E-01	5.75E-01	0.00E+00	0.00E+00
XE-131M	Ci	0.00E+00	2.93E-01	0.00E+00	0.00E+00
XE-133	Ci	6.15E+00	8.11E+01	0.00E+00	0.00E+00
XE-133M	Ci	3.88E-02	1.26E+00	0.00E+00	0.00E+00
XE-135	Ci	1.73E+00	3.32E+00	0.00E+00	0.00E+00
XE-135M	Ci	2.99E+00	5.47E+00	0.00E+00	0.00E+00
XE-137	Ci	1.17E+01	7.88E+00	0.00E+00	0.00E+00
XE-138	Ci	7.03E+00	9.00E+00	0.00E+00	0.00E+00
Total for Period	Ci	2.99E+01	1.10E+02	0.00E+00	0.00E+00

2. Iodines

I-131	Ci	1.94E-04	1.15E-03	0.00E+00	0.00E+00
I-133	Ci	1.87E-03	1.82E-03	0.00E+00	0.00E+00
I-135	Ci	3.19E-03	2.95E-03	0.00E+00	0.00E+00
Total for Period	Ci	5.25E-03	5.92E-03	0.00E+00	0.00E+00

3. Particulates

CO-60	Ci	4.03E-07	7.63E-07	0.00E+00	0.00E+00
BA-140	Ci	1.82E-05	1.66E-05	0.00E+00	0.00E+00
CE-144	Ci	0.00E+00	6.31E-08	0.00E+00	0.00E+00
SR-89	Ci	4.49E-06	7.57E-06	0.00E+00	0.00E+00
SR-90	Ci	6.87E-09	0.00E+00	0.00E+00	0.00E+00
Total for Period	Ci	2.31E-05	2.50E-05	0.00E+00	0.00E+00

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1C Gaseous Effluents - Building Vent Releases

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		1st Qtr	2nd Qtr	1st Qtr	2nd Qtr
1. Fission Gases					
XE-133	Ci	0.00E+00	0.00E+00	5.18E-02	0.00E+00
XE-135	Ci	5.95E-01	0.00E+00	0.00E+00	0.00E+00
XE-139	Ci	5.96E-01	0.00E+00	0.00E+00	0.00E+00
Total for Period	Ci	1.19E+00	0.00E+00	5.18E-02	0.00E+00
2. Iodines					
I-131	Ci	2.43E-04	1.53E-04	0.00E+00	0.00E+00
I-133	Ci	8.39E-04	1.69E-03	0.00E+00	0.00E+00
I-135	Ci	9.36E-05	2.40E-03	0.00E+00	0.00E+00
Total for Period	Ci	1.18E-03	4.24E-03	0.00E+00	0.00E+00
3. Particulates					
MN-54	Ci	5.88E-06	5.77E-07	0.00E+00	0.00E+00
CO-58	Ci	2.69E-06	0.00E+00	0.00E+00	0.00E+00
CO-60	Ci	1.12E-04	6.65E-05	0.00E+00	0.00E+00
CS-137	Ci	8.08E-05	4.92E-06	0.00E+00	0.00E+00
BA-140	Ci	0.00E+00	6.12E-06	0.00E+00	0.00E+00
Total for Period	Ci	2.02E-04	7.81E-05	0.00E+00	0.00E+00

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 1C Gaseous Effluents - Building Vent Releases

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		3rd Qtr	4th Qtr	3rd Qtr	4th Qtr
1. Fission Gases					
XE-135	Ci	5.89E-01	8.41E-02	0.00E+00	0.00E+00
Total for Period	Ci	5.89E-01	8.41E-02	0.00E+00	0.00E+00
2. Iodines					
I-131	Ci	7.66E-04	2.40E-03	0.00E+00	0.00E+00
I-133	Ci	9.97E-03	3.73E-03	0.00E+00	0.00E+00
I-135	Ci	1.42E-02	0.00E+00	0.00E+00	0.00E+00
Total for Period	Ci	2.50E-02	6.13E-03	0.00E+00	0.00E+00
3. Particulates					
CO-58	Ci	6.37E-07	0.00E+00	0.00E+00	0.00E+00
CO-60	Ci	6.55E-05	5.04E-05	0.00E+00	0.00E+00
ZN-65	Ci	1.79E-05	9.75E-06	0.00E+00	0.00E+00
CS-137	Ci	1.54E-05	3.26E-05	0.00E+00	0.00E+00
BA-140	Ci	1.05E-04	3.95E-05	0.00E+00	0.00E+00
SR-89	Ci	1.41E-05	1.46E-05	0.00E+00	0.00E+00
AG-110m	Ci	1.20E-05	0.00E+00	0.00E+00	0.00E+00
SB-125	Ci	0.00E+00	5.63E-05	0.00E+00	0.00E+00
Total for Period	Ci	2.31E-04	2.03E-04	0.00E+00	0.00E+00

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 2A Liquid Effluents - Summation of all Releases

	Units	1st Qtr	2nd Qtr	Est. Total Error, %
A. Fission & Activation products				
1. Total Release (not including tritium, gases, alpha)	Ci	0.00E+00	1.02E-06	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	1.68E-08	
B. Tritium				
1. Total Release	Ci	0.00E+00	2.27E-05	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	3.74E-07	
C. Dissolved and Entrained Gases				
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	0.00E+00	
D. Percent Qtrly Tech Spec Reporting Level				
1. Whole Body Dose	%	0.00E+00	1.16E-03	
2. Organ Dose	%	0.00E+00	1.16E-03	
E. Gross Alpha Radioactivity				
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00
F. Volume of Waste Released				
	Liters	0.00E+00	3.79E+02	0.00E+00
F. Volume of Dilution Water Used				
	Liters	0.00E+00	6.07E+04	0.00E+00

Table 2B Liquid Effluents

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		1st Qtr	2nd Qtr	1st Qtr	2nd Qtr
Mn-54	Ci	0.00E+00	8.95E-07	0.00E+00	0.00E+00
Co-58	Ci	0.00E+00	2.12E-08	0.00E+00	0.00E+00
Co-60	Ci	0.00E+00	8.42E-08	0.00E+00	0.00E+00
Cs-137	Ci	0.00E+00	1.60E-08	0.00E+00	0.00E+00

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 2A Liquid Effluents - Summation of all Releases

	Units	3rd Qtr	4th Qtr	Est. Total Error, %
A. Fission & Activation products				
1. Total Release (not including tritium, gases, alpha)	Ci	0.00E+00	0.00E+00	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	0.00E+00	
B. Tritium				
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	0.00E+00	
C. Dissolved and Entrained Gases				
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00
2. Avg Diluted Concentration	uci/ml	0.00E+00	0.00E+00	
D. Percent Qtrly Tech Spec Reporting Level				
1. Whole Body Dose	%	0.00E+00	0.00E+00	
2. Organ Dose	%	0.00E+00	0.00E+00	
E. Gross Alpha Radioactivity				
1. Total Release	Ci	0.00E+00	0.00E+00	0.00E+00
F. Volume of Waste Released				
	Liters	0.00E+00	0.00E+00	0.00E+00
F. Volume of Dilution Water Used				
	Liters	0.00E+00	0.00E+00	0.00E+00

Table 2B Liquid Effluents

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		3rd Qtr	4th Qtr	3rd Qtr	4th Qtr

None Released This Period

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 3 Solid Waste and Irradiated Fuel Shipments

A. Solid Waste Shipped Offsite for Burial or Disposal (not irradiated fuel)

1. Type of Waste	Units	12-month Period	Est. Total Error, %
A. Spent resins, filter sludges, evaporator bottoms, etc.	Cu. Meter Ci (est)	3.41E+00 2.01E+02	3.70E+01
B. Dry compressible waste, contaminated equipment, etc.	Cu. Meter Ci (est)	6.32E+02 1.11E+00	3.50E+01
C. Irradiated components, control rods, etc.	Cu. Meter Ci	0.00E+00 0.00E+00	0.00E+00
D. Other (describe)	Cu. Meter Ci (est)	1.77E+01 1.00E-04	3.50E+01

2. Estimate of major nuclide composition (by type of waste)				
Nuclide	Type A percent	Type B percent	Type C percent	Type D percent
H-3	7.00E-03	1.40E+00		
C-14	2.00E-03	7.57E-01		
Cr-51	1.11E-01	7.72E-02		
Mn-54	3.47E+00	3.53E+00		
Fe-55	5.97E+01	4.96E+01		
Co-57	2.60E-02			
Co-58	6.42E-01	6.08E-01		
Fe-59	1.10E-01	1.95E-02		
Ni-59	9.00E-03	7.08E-04		
Co-60	3.11E+01	2.18E+01		2.69E+01
Ni-63	7.56E-01	1.15E+00		
Zn-65	3.44E+00	6.06E+00		
Sr-89	4.00E-04	7.68E-03		
Sr-90	9.00E-03	1.10E+00		
Nb-95	1.60E-02	2.83E-03		
Tc-99	3.00E-03	2.16E-03		
Ag110m	4.20E-01	2.22E-02		
Sb-124	1.40E-02	4.35E-02		
Sb-125		1.44E-01		
I-129	1.00E-04			
I-131		9.38E-02		
Cs-134	9.00E-03	3.50E-03		
Cs-137	1.73E-01	1.29E+01		7.32E+01
Ba-140		1.98E-02		
Ce-141	1.00E-03	7.08E-04		
Ce-144	5.00E-03	7.18E-01		
Pu-238	7.00E-04	1.91E-03		
Pu-239	2.00E-04	1.91E-03		
Am-241	7.00E-04	2.38E-02		
Pu-241	3.30E-02	1.88E-03		
Cm-242	2.00E-04	8.67E-04		
Cm-243	7.00E-04	3.77E-03		
Eu-152	3.60E-02			

RADIOACTIVE EFFLUENT RELEASE REPORT
Period : Jan - Dec 2007

Table 3 Solid Waste and Irradiated Fuel Shipments

3. Solid waste disposal

Number of Shipments	Mode of Transportation	Destination
1	Truck	Envirocare, Clive, UT.
12	Truck	RACE Inc., Memphis, TN.

B. Irradiated Fuel Shipments

1. Disposition

Number of Shipments	Mode of Transportation	Destination
---------------------	------------------------	-------------

None This Period

C. Shipping Container and Solidification Method

No.	Volume M3	Activity Ci	Type of Waste	Container Code	Solidification Code
07-04	3.74E+01	1.30E-01	B	L	N
07-19	5.89E+01	1.33E-01	B	L	N
07-30	5.89E+01	7.72E-02	B	L	N
07-31	5.89E+01	3.05E-02	B	L	N
07-33	4.85E+01	1.07E-01	B	L	N
07-34	4.58E+01	5.53E-02	B	L	N
07-41	5.12E+01	3.93E-01	B	L	N
07-51	1.77E+01	1.00E-04	D	L	N
07-54	5.89E+01	1.62E-01	B	L	N
07-55	9.61E+01	9.87E-03	B	L	N
07-56	5.89E+01	8.20E-03	B	L	N
07-59	5.89E+01	3.86E-03	B	L	N
07-66	3.41E+00	2.01E+02	A	B	D

Waste type Codes :

A - Spent resins, sludges
B - Dry waste, equipment
C - Irradiated components
D - Other (describe)

Container Codes :

L - LSA
A - Type A
B - Type B
Q - Large Quantity

Solidification Codes :

C - Cement
U - Urea Formaldehyde
D - Dewatering
N - Not Applicable

GASOUT

ADULT DOSE FACTORS

NUCLIDE	TAU	EXT.BODY	EXT SKIN	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
18AR 41	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				9.30E-03	3.28E-03	8.84E-03	2.69E-03	0.00E+00	8.06E-09	0.00E+00
36KR 83M	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.93E-05	2.88E-04	7.56E-08	0.00E+00	0.00E+00	2.91E-06	0.00E+00
36KR 85M	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.23E-03	1.97E-03	1.17E-03	1.46E-03	0.00E+00	1.95E-05	0.00E+00
36KR 85	2.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.72E-05	1.95E-03	1.61E-05	1.34E-03	0.00E+00	1.87E-05	0.00E+00
36KR 87	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				6.17E-03	1.03E-02	5.92E-03	9.73E-03	0.00E+00	1.02E-04	0.00E+00
36KR 88	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.52E-02	2.93E-03	1.47E-02	2.37E-03	0.00E+00	3.38E-05	0.00E+00
36KR 89	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.73E-02	1.06E-02	1.66E-02	1.01E-02	0.00E+00	1.09E-04	0.00E+00
54XE131M	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.56E-04	1.11E-03	9.15E-05	4.76E-04	0.00E+00	1.10E-05	0.00E+00
54XE133M	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.27E-04	1.48E-03	2.51E-04	9.94E-04	0.00E+00	1.46E-05	0.00E+00
54XE133	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.53E-04	1.05E-03	2.94E-04	3.06E-04	0.00E+00	1.05E-05	0.00E+00
54XE135M	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.36E-03	7.39E-04	3.12E-03	7.11E-04	0.00E+00	8.79E-06	0.00E+00
54XE135	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.92E-03	2.46E-03	1.81E-03	1.86E-03	0.00E+00	2.46E-05	0.00E+00
54XE137	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.51E-03	1.27E-02	1.42E-03	1.22E-02	0.00E+00	1.23E-04	0.00E+00
54XE138	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				9.21E-03	4.75E-03	8.83E-03	4.13E-03	0.00E+00	4.93E-05	0.00E+00
53I 131	9.98E-07	2.80E-09	3.40E-09	4.16E-06	5.95E-06	3.41E-06	1.95E-03	1.02E-05	0.00E+00	1.57E-06
				3.15E-06	4.47E-06	2.56E-06	1.49E-03	7.66E-06	0.00E+00	7.85E-07
53I 133	9.26E-06	3.70E-09	4.50E-09	1.42E-06	2.47E-06	7.53E-07	3.65E-04	4.31E-06	0.00E+00	2.22E-06
				1.08E-06	1.85E-06	5.65E-07	2.69E-04	3.23E-06	0.00E+00	1.11E-06
1H 3	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07
				0.00E+00	1.58E-07	1.58E-07	1.58E-07	1.58E-07	1.58E-07	1.58E-07
24CR 51	2.90E-07	2.20E-10	2.60E-10	0.00E+00	0.00E+00	2.66E-09	1.59E-09	5.86E-10	3.53E-09	6.69E-07
				0.00E+00	0.00E+00	1.25E-08	7.44E-09	2.85E-09	1.80E-06	4.15E-07
25MN 54	2.57E-08	5.80E-09	6.80E-09	0.00E+00	4.57E-06	8.72E-07	0.00E+00	1.36E-06	0.00E+00	1.40E-05
				0.00E+00	4.95E-06	7.87E-07	0.00E+00	1.23E-06	1.75E-04	9.67E-06
26FE 59	1.78E-07	8.00E-09	9.40E-09	4.34E-06	1.02E-05	3.91E-06	0.00E+00	0.00E+00	2.85E-06	3.40E-05
				1.47E-06	3.47E-06	1.32E-06	0.00E+00	0.00E+00	1.27E-04	2.35E-05
27CO 58	1.13E-07	7.00E-09	8.20E-09	0.00E+00	7.45E-07	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-05
				0.00E+00	1.98E-07	2.59E-07	0.00E+00	0.00E+00	1.16E-04	1.33E-05
27CO 60	4.17E-09	1.70E-08	2.00E-08	0.00E+00	2.14E-06	4.72E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-05
				0.00E+00	1.44E-06	1.85E-06	0.00E+00	0.00E+00	7.46E-04	3.56E-05
30ZN 65	3.29E-08	4.00E-09	4.60E-09	4.84E-06	1.54E-05	6.96E-06	0.00E+00	1.03E-05	0.00E+00	9.70E-06
				4.05E-06	1.29E-05	5.82E-06	0.00E+00	8.62E-06	1.08E-04	6.68E-06

GASOUT											
38SR 89	1.59E-07	5.60E-13	6.50E-13	3.08E-04	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
				3.80E-05	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-05
38SR 90	7.71E-10	0.00E+00	0.00E+00	7.58E-03	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
				1.24E-02	0.00E+00	7.62E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-03	9.02E-05
47AG110M	3.21E-08	1.80E-08	2.10E-08	1.60E-07	1.48E-07	8.79E-08	0.00E+00	2.91E-07	0.00E+00	6.04E-05	
				1.35E-06	1.25E-06	7.43E-07	0.00E+00	2.46E-06	5.79E-04	3.78E-05	
51SB125	7.97E-09	1.30E-08	1.50E-08	2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05	
				3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05	
55CS134	1.07E-08	1.20E-08	1.40E-08	6.22E-05	1.48E-04	1.21E-04	0.00E+00	4.79E-05	1.59E-05	2.59E-06	
				4.66E-05	1.06E-04	9.10E-05	0.00E+00	3.59E-05	1.22E-05	1.30E-06	
55CS136	6.12E-07	1.50E-08	1.70E-08	6.51E-06	2.57E-05	1.85E-05	0.00E+00	1.43E-05	1.96E-06	2.92E-06	
				4.88E-06	1.83E-05	1.38E-05	0.00E+00	1.07E-05	1.50E-06	1.46E-06	
55CS137	7.32E-10	4.20E-09	4.90E-09	7.97E-05	1.09E-04	7.14E-05	0.00E+00	3.70E-05	1.23E-05	2.11E-06	
				5.98E-05	7.76E-05	5.35E-05	0.00E+00	2.78E-05	9.40E-06	1.05E-06	
56BA140	6.27E-07	2.10E-09	2.40E-09	2.03E-05	2.55E-08	1.33E-06	0.00E+00	8.67E-09	1.46E-08	4.18E-05	
				4.88E-06	6.13E-09	3.21E-07	0.00E+00	2.09E-09	1.59E-04	2.73E-05	
53I 135	2.92E-05	1.20E-08	1.40E-08	4.43E-07	1.16E-06	4.28E-07	7.65E-05	1.86E-06	0.00E+00	1.31E-06	
				3.35E-07	8.73E-07	3.21E-07	5.60E-05	1.39E-06	0.00E+00	6.56E-07	
58CE144	2.82E-08	3.20E-10	3.70E-10	4.88E-07	2.04E-07	2.62E-08	0.00E+00	1.21E-07	0.00E+00	1.65E-04	
				4.29E-04	1.79E-04	2.30E-05	0.00E+00	1.06E-04	9.72E-04	1.02E-04	

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.
FOR NOBLE GASES LISTED UNDER COLUMNS MARKED

BONE IS THE GAMMA AIR DOSE FACTOR
LIVER IS THE BETA AIR DOSE FACTOR
T.BODY IS THE T.BODY DOSE FACTOR
THYROID IS THE SKIN BETA DOSE FACTOR
LUNG IS THE LUNG INTERNAL DOSE FACTOR

1

TEENAGER DOSE FACTORS

NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
53I 131	5.85E-06	8.19E-06	4.40E-06	2.39E-03	1.41E-05	0.00E+00	1.62E-06
	4.43E-06	6.14E-06	3.30E-06	1.83E-03	1.05E-05	0.00E+00	8.11E-07
53I 133	2.01E-06	3.41E-06	1.04E-06	4.76E-04	5.98E-06	0.00E+00	2.58E-06
	1.52E-06	2.56E-06	7.78E-07	3.65E-04	4.49E-06	0.00E+00	1.29E-06
1H 3	0.00E+00	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07
	0.00E+00	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.59E-07
24CR 51	0.00E+00	0.00E+00	3.60E-09	2.00E-09	7.89E-10	5.14E-09	6.05E-07
	0.00E+00	0.00E+00	1.69E-08	9.37E-09	3.84E-09	2.62E-06	3.75E-07
25MN 54	0.00E+00	5.90E-06	1.17E-06	0.00E+00	1.76E-06	0.00E+00	1.21E-05
	0.00E+00	6.39E-06	1.05E-06	0.00E+00	1.59E-06	2.48E-04	8.35E-06
26FE 59	5.87E-06	1.37E-05	5.29E-06	0.00E+00	0.00E+00	4.32E-06	3.24E-05
	1.99E-06	4.62E-06	1.79E-06	0.00E+00	0.00E+00	1.91E-04	2.23E-05

		GASOUT							
27CO	58	0.00E+00	9.72E-07	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05	
		0.00E+00	2.59E-07	3.47E-07	0.00E+00	0.00E+00	1.68E-04	1.19E-05	
27CO	60	0.00E+00	2.81E-06	6.33E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-05	
		0.00E+00	1.89E-06	2.48E-06	0.00E+00	0.00E+00	1.09E-03	3.24E-05	
30ZN	65	5.76E-06	2.00E-05	9.33E-06	0.00E+00	1.28E-05	0.00E+00	8.47E-06	
		4.82E-06	1.67E-05	7.80E-06	0.00E+00	1.08E-05	1.55E-04	5.83E-06	
38SR	89	4.40E-04	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-05	
		5.43E-05	0.00E+00	1.56E-06	0.00E+00	0.00E+00	3.02E-04	4.64E-05	
38SR	90	8.30E-03	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-04	
		1.35E-02	0.00E+00	8.35E-04	0.00E+00	0.00E+00	2.06E-03	9.56E-05	
40ZR	95	4.12E-08	1.30E-08	8.94E-09	0.00E+00	1.91E-08	0.00E+00	3.00E-05	
		1.82E-05	5.73E-06	3.94E-06	0.00E+00	8.42E-06	3.36E-04	1.86E-05	
47AG110M		2.05E-07	1.94E-07	1.18E-07	0.00E+00	3.70E-07	0.00E+00	5.45E-05	
		1.73E-06	1.64E-06	9.99E-07	0.00E+00	3.13E-06	8.44E-04	3.41E-05	
51SB125		2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05	
		3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05	
55CS134		8.37E-05	1.97E-04	9.14E-05	0.00E+00	6.26E-05	2.39E-05	2.45E-06	
		6.28E-05	1.41E-04	6.86E-05	0.00E+00	4.69E-05	1.83E-05	1.22E-06	
55CS136		8.59E-06	3.38E-05	2.27E-05	0.00E+00	1.84E-05	2.90E-06	2.72E-06	
		6.44E-06	2.42E-05	1.71E-05	0.00E+00	1.38E-05	2.22E-06	1.36E-06	
55CS137		1.12E-04	1.49E-04	5.19E-05	0.00E+00	5.07E-05	1.97E-05	2.12E-06	
		8.38E-05	1.06E-04	3.89E-05	0.00E+00	3.80E-05	1.51E-05	1.06E-06	
56BA140		2.84E-05	3.48E-08	1.83E-06	0.00E+00	1.18E-08	2.34E-08	4.38E-05	
		6.84E-06	8.38E-09	4.40E-07	0.00E+00	2.85E-09	2.54E-04	2.86E-05	
58CE144		6.96E-07	2.88E-07	3.74E-08	0.00E+00	1.72E-07	0.00E+00	1.75E-04	
		6.11E-04	2.53E-04	3.28E-05	0.00E+00	1.51E-04	1.67E-03	1.08E-04	
58CE144		6.96E-07	2.88E-07	3.74E-08	0.00E+00	1.72E-07	0.00E+00	1.75E-04	
		6.11E-04	2.53E-04	3.28E-05	0.00E+00	1.51E-04	1.67E-03	1.08E-04	
53I 135		6.10E-07	1.57E-06	5.82E-07	1.01E-04	2.48E-06	0.00E+00	1.74E-06	
		4.62E-07	1.18E-06	4.36E-07	7.76E-05	1.86E-06	0.00E+00	8.69E-07	
44RU103		2.55E-07	0.00E+00	1.09E-07	0.00E+00	8.99E-07	0.00E+00	2.13E-05	
		2.63E-07	0.00E+00	1.12E-07	0.00E+00	9.29E-07	9.79E-05	1.36E-05	

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.

1

CHILD DOSE FACTORS

NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
53I 131	1.72E-05	1.73E-05	9.83E-06	5.72E-03	2.84E-05	0.00E+00	1.54E-06
	1.30E-05	1.30E-05	7.37E-06	4.39E-03	2.13E-05	0.00E+00	7.68E-07
53I 133	5.92E-06	7.32E-06	2.77E-06	1.36E-03	1.22E-05	0.00E+00	2.95E-06
	4.48E-06	5.49E-06	2.08E-06	1.04E-03	9.13E-06	0.00E+00	1.48E-06
1H 3	0.00E+00	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07
	0.00E+00	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07

		GASOUT						
24CR	51	0.00E+00	0.00E+00	8.90E-09	4.94E-09	1.35E-09	9.02E-09	4.72E-07
		0.00E+00	0.00E+00	4.17E-08	2.31E-08	6.57E-09	4.59E-06	2.93E-07
25MN	54	0.00E+00	1.07E-05	2.85E-06	0.00E+00	3.00E-06	0.00E+00	8.98E-06
		0.00E+00	1.16E-05	2.57E-06	0.00E+00	2.71E-06	4.26E-04	6.19E-06
26FE	59	1.65E-05	2.67E-05	1.33E-05	0.00E+00	0.00E+00	7.74E-06	2.78E-05
		5.59E-06	9.04E-06	4.51E-06	0.00E+00	0.00E+00	3.43E-04	1.91E-05
27CO	58	0.00E+00	1.80E-06	5.51E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-05
		0.00E+00	4.79E-07	8.55E-07	0.00E+00	0.00E+00	2.99E-04	9.29E-06
27CO	60	0.00E+00	5.29E-06	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-05
		0.00E+00	3.55E-06	6.12E-06	0.00E+00	0.00E+00	1.91E-03	2.60E-05
30ZN	65	1.37E-05	3.65E-05	2.27E-05	0.00E+00	2.30E-05	0.00E+00	6.41E-06
		1.15E-05	3.06E-05	1.90E-05	0.00E+00	1.93E-05	2.69E-04	4.41E-06
38SR	89	1.32E-03	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-05
		1.62E-04	0.00E+00	4.66E-06	0.00E+00	0.00E+00	5.83E-04	4.52E-05
38SR	90	1.70E-02	0.00E+00	4.31E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-04
		2.73E-02	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.99E-03	9.28E-05
40ZR	95	1.16E-07	2.55E-08	2.27E-08	0.00E+00	3.65E-08	0.00E+00	2.66E-05
		5.13E-05	1.13E-05	1.00E-05	0.00E+00	1.61E-05	6.03E-04	1.65E-05
47AG110M		5.39E-07	3.64E-07	2.91E-07	0.00E+00	6.78E-07	0.00E+00	4.33E-05
		4.56E-06	3.08E-06	2.47E-06	0.00E+00	5.74E-06	1.48E-03	2.71E-05
51SB125		2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05
		3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05
55CS134		2.34E-04	3.84E-04	8.10E-05	0.00E+00	1.19E-04	4.27E-05	2.07E-06
		1.76E-04	2.74E-04	6.07E-05	0.00E+00	8.93E-05	3.27E-05	1.04E-06
55CS136		2.35E-05	6.46E-05	4.18E-05	0.00E+00	3.44E-05	5.13E-06	2.27E-06
		1.76E-05	4.62E-05	3.14E-05	0.00E+00	2.58E-05	3.93E-06	1.13E-06
55CS137		3.27E-04	3.13E-04	4.62E-05	0.00E+00	1.02E-04	3.67E-05	1.96E-06
		2.45E-04	2.23E-04	3.47E-05	0.00E+00	7.63E-05	2.81E-05	9.78E-07
56BA140		8.31E-05	7.28E-08	4.85E-06	0.00E+00	2.37E-08	4.34E-08	4.21E-05
		2.00E-05	1.75E-08	1.17E-06	0.00E+00	5.71E-09	4.71E-04	2.75E-05
58CE144		2.08E-06	6.52E-07	1.11E-07	0.00E+00	3.61E-07	0.00E+00	1.70E-04
		1.83E-03	5.72E-04	9.77E-05	0.00E+00	3.17E-04	3.23E-03	1.05E-04
58CE144		2.08E-06	6.52E-07	1.11E-07	0.00E+00	3.61E-07	0.00E+00	1.70E-04
		1.83E-03	5.72E-04	9.77E-05	0.00E+00	3.17E-04	3.23E-03	1.05E-04
53I 135		1.75E-06	3.15E-06	1.49E-06	2.79E-04	4.83E-06	0.00E+00	2.40E-06
		1.33E-06	2.36E-06	1.12E-06	2.14E-04	3.62E-06	0.00E+00	1.20E-06
44RU103		7.31E-07	0.00E+00	2.81E-07	0.00E+00	1.84E-06	0.00E+00	1.89E-05
		7.55E-07	0.00E+00	2.90E-07	0.00E+00	1.90E-06	1.79E-04	1.21E-05

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.

1

INFANT DOSE FACTORS							
NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI

		GASOUT							
53I	131	3.59E-05	4.23E-05	1.86E-05	1.39E-02	4.94E-05	0.00E+00	1.51E-06	
		2.71E-05	3.17E-05	1.40E-05	1.06E-02	3.70E-05	0.00E+00	7.56E-07	
53I	133	1.25E-05	1.82E-05	5.33E-06	3.31E-03	2.14E-05	0.00E+00	3.08E-06	
		9.46E-06	1.37E-05	4.00E-06	2.54E-03	1.60E-05	0.00E+00	1.54E-06	
1H	3	0.00E+00	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	
		0.00E+00	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	
24CR	51	0.00E+00	0.00E+00	1.41E-08	9.20E-09	2.01E-09	1.79E-08	4.11E-07	
		0.00E+00	0.00E+00	6.39E-08	4.11E-08	9.45E-09	9.17E-06	2.55E-07	
25MN	54	0.00E+00	1.99E-05	4.51E-06	0.00E+00	4.41E-06	0.00E+00	7.31E-06	
		0.00E+00	1.81E-05	3.56E-06	0.00E+00	3.56E-06	7.14E-04	5.04E-06	
26FE	59	3.08E-05	5.38E-05	2.12E-05	0.00E+00	0.00E+00	1.59E-05	2.57E-05	
		9.69E-06	1.68E-05	6.77E-06	0.00E+00	0.00E+00	7.25E-04	1.77E-05	
27CO	58	0.00E+00	3.60E-06	8.98E-06	0.00E+00	0.00E+00	0.00E+00	8.97E-06	
		0.00E+00	8.71E-07	1.30E-06	0.00E+00	0.00E+00	5.55E-04	7.95E-06	
27CO	60	0.00E+00	1.08E-05	2.55E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-05	
		0.00E+00	5.73E-06	8.41E-06	0.00E+00	0.00E+00	3.22E-03	2.28E-05	
30ZN	65	1.84E-05	6.31E-05	2.91E-05	0.00E+00	3.06E-05	0.00E+00	5.33E-05	
		1.38E-05	4.47E-05	2.22E-05	0.00E+00	2.32E-05	4.62E-04	3.67E-05	
38SR	89	2.51E-03	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	5.16E-05	
		2.84E-04	0.00E+00	8.15E-06	0.00E+00	0.00E+00	1.45E-03	4.57E-05	
38SR	90	1.85E-02	0.00E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-04	
		2.92E-02	0.00E+00	1.85E-03	0.00E+00	0.00E+00	8.03E-03	9.36E-05	
40ZR	95	2.06E-07	5.02E-08	3.56E-08	0.00E+00	5.41E-08	0.00E+00	2.50E-05	
		8.24E-05	1.99E-05	1.45E-05	0.00E+00	2.22E-05	1.25E-03	1.55E-05	
47AG110M		9.96E-07	7.27E-07	4.81E-07	0.00E+00	1.04E-06	0.00E+00	3.77E-05	
		7.13E-06	5.16E-06	3.57E-06	0.00E+00	7.80E-06	2.62E-03	2.36E-05	
51SB125		2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05	
		3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05	
55CS134		3.77E-04	7.03E-04	7.10E-05	0.00E+00	1.81E-04	7.42E-05	1.91E-06	
		2.83E-04	5.02E-04	5.32E-05	0.00E+00	1.36E-04	5.69E-05	9.53E-07	
55CS136		4.59E-05	1.35E-04	5.04E-05	0.00E+00	5.38E-05	1.10E-05	2.05E-06	
		3.45E-05	9.61E-05	3.78E-05	0.00E+00	4.03E-05	8.40E-06	1.02E-06	
55CS137		5.22E-04	6.11E-04	4.33E-05	0.00E+00	1.64E-04	6.64E-05	1.91E-06	
		3.92E-04	4.37E-04	3.25E-05	0.00E+00	1.23E-04	5.09E-05	9.53E-07	
56BA140		1.71E-04	1.71E-07	8.81E-06	0.00E+00	4.06E-08	1.05E-07	4.20E-05	
		4.00E-05	4.00E-08	2.07E-06	0.00E+00	9.59E-09	1.14E-03	2.74E-05	
58CE141		7.87E-08	4.80E-08	5.65E-09	0.00E+00	1.48E-08	0.00E+00	2.48E-05	
		1.98E-05	1.19E-05	1.42E-06	0.00E+00	3.75E-06	3.69E-04	1.54E-05	
58CE144		2.98E-06	1.22E-06	1.67E-07	0.00E+00	4.93E-07	0.00E+00	1.71E-04	
		2.28E-03	8.65E-04	1.26E-04	0.00E+00	3.84E-04	7.03E-03	1.06E-04	
53I	135	3.64E-06	7.24E-06	2.64E-06	6.49E-04	8.07E-06	0.00E+00	2.62E-06	
		2.76E-06	5.43E-06	1.98E-06	4.97E-04	6.05E-06	0.00E+00	1.31E-06	
44RU103		1.48E-06	0.00E+00	4.95E-07	0.00E+00	3.08E-06	0.00E+00	1.80E-05	
		1.44E-06	0.00E+00	4.85E-07	0.00E+00	3.03E-06	3.94E-04	1.15E-05	

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.

GASOUT

1 DOSE FACTOR LIBRARY CONTAINS 99 ENTRIES

DOSE FACTORS REVISED 10/25/88

JOB CONTROL(JC)- 1 3 1 0 2 0 0 0 0 0
 FRACTIONS OF:
 LEAFY VEGETABLES FROM GARDEN(FV)- .50 YEAR MILK COWS/BEEF ANIMALS/GOATS ON PASTURE(FP/FB/FGT)- .50/.50/
 .50
 OTHER EDIBLES FROM GARDEN(FG)- .76 MILK COW/BEEF/GOAT DAILY INTAKE FROM
 PASTURE(FPF/FBF/FPG)-1.00/1.00/1.00
 HUMIDITY (G/M**3)- 5.28
 MONTICELLO VENT RELEASES 2007 CONTINUOUS MODE
 UML = 1.00E+00 JC1 = 0 JC2 = 0
 NUCLIDE CI/YR
 1H 3 2.57E+01
 54XE135 1.27E+00
 53I 131 3.56E-03
 53I 133 1.62E-02
 53I 135 1.67E-02
 25MN 54 6.46E-06
 27CO 58 3.33E-06
 27CO 60 2.94E-04
 30ZN 65 2.77E-05
 55CS137 1.34E-04
 56BA140 1.51E-04
 47AG110M 1.20E-05
 51SB125 5.63E-05
 38SR 89 2.87E-05
 14 2.70071700E+01

1

DOSE FACTORS REVISED 10/25/88

JS SPECIAL LOCATION DIR MILES X/Q X/Q|DEC X/Q|DEP DEPOSIT PL GD VT MT CM GM IN
 0 R SUBYARD I SSE .20 1.26E-05 1.26E-05 1.26E-05 1.77E-07 0 0 0 0 0 0 0

1

DOSE FACTORS REVISED 10/25/88

MONTICELLO STACK RELEASES 2007 CONTINUOUS MODE
 UML = 1.00E+00 JC1 = 0 JC2 = 0

GASOUT

NUCLIDE	CI/YR
1H 3	1.38E+01
36KR 85M	7.98E-01
36KR 87	2.18E+00
36KR 88	2.10E+00
54XE131M	2.93E-01
54XE133	1.03E+02
54XE133M	1.47E+00
54XE135	1.56E+01
54XE135M	1.45E+01
54XE137	2.75E+01
54XE138	2.91E+01
18AR 41	3.80E-02
53I 131	1.63E-03
53I 133	6.03E-03
53I 135	1.01E-02
24CR 51	2.36E-07
27CO 60	3.29E-06
55CS137	1.17E-07
56BA140	5.14E-05
58CE144	6.31E-08
38SR 89	1.94E-05
38SR 90	8.42E-08
22	2.10396800E+02

1

DOSE FACTORS REVISED 10/25/88

JS SPECIAL LOCATION	DIR MILES	X/Q	X/Q DEC	X/Q DEP	DEPOSIT	PL	GD	VT	MT	CM	GM	IN
0 R SUBYARD	I SSE	.20	1.40E-08	1.40E-08	1.40E-08	4.11E-09	0	0	0	0	0	0

1

DOSE FACTORS REVISED 10/25/88

MONTICELLO VENT RELEASES 2007 BATCH MODE
 UML = 1.00E+00 JC1 = 0 JC2 = 0

NUCLIDE	CI/YR
54XE133	5.18E-02
18AR 41	0.00E+00
27CO 60	0.00E+00
3	5.18000000E-02

1

GASOUT

DOSE FACTORS REVISED 10/25/88

1 JS SPECIAL LOCATION DIR MILES X/Q X/Q|DEC X/Q|DEP DEPOSIT PL GD VT MT CM GM IN
 0 R SUBYARD I SSE .20 2.60E-05 2.60E-05 2.60E-05 3.67E-07 0 0 0 0 0 0 0

DOSE FACTORS REVISED 10/25/88

SPECIAL LOCATION # 1 R SUBYARD I
 AT .20 MILES SSE

ANNUAL BETA AIR DOSE = 1.59E-03 MILLRADS
 ANNUAL GAMMA AIR DOSE = 1.20E-03 MILLRADS

> 2.79E-3

PATHWAY	T. BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.90E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04	8.06E-04	2.13E-03
GROUND	4.72E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	5.53E-02
VEGET								
ADULT	3.84E-02	3.95E-02	6.68E-03	4.06E-02	3.65E-02	2.43E-01	3.38E-02	3.31E-02
TEEN	4.42E-02	4.58E-02	1.05E-02	5.06E-02	4.38E-02	2.18E-01	4.04E-02	3.90E-02
CHILD	6.65E-02	6.56E-02	2.48E-02	8.04E-02	6.85E-02	3.40E-01	6.32E-02	6.11E-02
MEAT								
ADULT	5.69E-03	6.62E-03	4.87E-04	5.85E-03	5.47E-03	2.84E-02	5.17E-03	5.11E-03
TEEN	3.38E-03	3.86E-03	3.99E-04	3.64E-03	3.34E-03	1.99E-02	3.10E-03	3.05E-03
CHILD	4.05E-03	4.10E-03	7.26E-04	4.45E-03	4.04E-03	2.92E-02	3.74E-03	3.68E-03
COW MILK								
ADULT	1.62E-02	1.41E-02	4.81E-03	1.88E-02	1.73E-02	6.76E-01	1.25E-02	1.20E-02
TEEN	2.06E-02	1.83E-02	8.69E-03	2.76E-02	2.51E-02	1.07E+00	1.66E-02	1.56E-02
CHILD	3.10E-02	2.66E-02	2.09E-02	4.53E-02	4.03E-02	2.12E+00	2.62E-02	2.47E-02
INFANT	4.72E-02	4.05E-02	3.66E-02	8.06E-02	6.38E-02	5.12E+00	4.02E-02	3.75E-02
GOATMILK								
ADULT	3.42E-02	2.57E-02	1.13E-02	3.98E-02	3.32E-02	8.21E-01	2.59E-02	2.45E-02
TEEN	4.21E-02	3.35E-02	2.05E-02	5.89E-02	4.73E-02	1.29E+00	3.48E-02	3.19E-02

T. BODY
 P 2.79E-3
 P 7.90E-4
 G 4.72E-2
 I 1.31E-2
 6.39E-2

THYROID
 P 2.79E-3
 P 7.90E-4
 G 4.72E-2
 I 4.69E-2
 9.77E-2

SKIN
 P 2.79E-3
 P 2.13E-3
 G 5.53E-2
 I 1.30E-2
 7.32E-2

	GASOUT							
CHILD	6.06E-02	5.16E-02	4.94E-02	9.73E-02	7.60E-02	2.56E+00	5.49E-02	5.04E-02
INFANT	9.02E-02	7.78E-02	8.30E-02	1.72E-01	1.19E-01	6.17E+00	8.47E-02	7.64E-02
INHAL								
ADULT	1.31E-02	1.31E-02	1.42E-04	1.32E-02	1.33E-02	4.69E-02	1.38E-02	1.30E-02
TEEN	1.32E-02	1.32E-02	1.99E-04	1.34E-02	1.35E-02	5.69E-02	1.43E-02	1.31E-02
CHILD	1.17E-02	1.16E-02	2.69E-04	1.19E-02	1.20E-02	6.49E-02	1.26E-02	1.16E-02
INFANT	6.73E-03	6.68E-03	2.03E-04	6.92E-03	6.93E-03	5.54E-02	7.33E-03	6.64E-03

1

DOSE FACTORS REVISED 10/25/88
ANNUAL INDIVIDUAL DOSE (MREM) SUMMARY BY PATHWAY & NUCLIDE
SPECIAL LOCATION # 1 R SUBYARD I
PATHWAY = PLUME

NUCLIDE	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
XE135	6.51E-04 82.49%	6.51E-04 82.49%	6.51E-04 82.49%	6.51E-04 82.49%	6.51E-04 82.49%	6.51E-04 82.49%	6.64E-04 82.43%	1.72E-03 80.75%
KR 85M	2.90E-07 .04%	2.90E-07 .04%	2.90E-07 .04%	2.90E-07 .04%	2.90E-07 .04%	2.90E-07 .04%	2.97E-07 .04%	8.56E-07 .04%
KR 87	4.01E-06 .51%	4.01E-06 .51%	4.01E-06 .51%	4.01E-06 .51%	4.01E-06 .51%	4.01E-06 .51%	4.11E-06 .51%	1.41E-05 .66%
KR 88	9.59E-06 1.21%	9.59E-06 1.21%	9.59E-06 1.21%	9.59E-06 1.21%	9.59E-06 1.21%	9.59E-06 1.21%	9.62E-06 1.19%	1.32E-05 .62%
XE131M	8.33E-09 .00%	8.33E-09 .00%	8.33E-09 .00%	8.33E-09 .00%	8.33E-09 .00%	8.33E-09 .00%	9.76E-09 .00%	7.77E-08 .00%
XE133	1.82E-05 2.30%	1.82E-05 2.30%	1.82E-05 2.30%	1.82E-05 2.30%	1.82E-05 2.30%	1.82E-05 2.30%	1.91E-05 2.37%	5.13E-05 2.40%
XE133M	1.15E-07 .01%	1.15E-07 .01%	1.15E-07 .01%	1.15E-07 .01%	1.15E-07 .01%	1.15E-07 .01%	1.24E-07 .02%	8.14E-07 .04%
XE135M	1.41E-05 1.78%	1.41E-05 1.78%	1.41E-05 1.78%	1.41E-05 1.78%	1.41E-05 1.78%	1.41E-05 1.78%	1.41E-05 1.75%	2.14E-05 1.00%
XE137	1.21E-05 1.54%	1.21E-05 1.54%	1.21E-05 1.54%	1.21E-05 1.54%	1.21E-05 1.54%	1.21E-05 1.54%	1.36E-05 1.69%	1.63E-04 7.65%

GASOUT

NLIBA = 33 NLIBT = 55 NIBLC = 77 NLIBI = 99

ADULT DOSE FACTORS

NUCLIDE	TAU	EXT.BODY	EXT SKIN	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
18AR 41	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				9.30E-03	3.28E-03	8.84E-03	2.69E-03	0.00E+00	8.06E-09	0.00E+00
36KR 83M	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.93E-05	2.88E-04	7.56E-08	0.00E+00	0.00E+00	2.91E-06	0.00E+00
36KR 85M	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.23E-03	1.97E-03	1.17E-03	1.46E-03	0.00E+00	1.95E-05	0.00E+00
36KR 85	2.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.72E-05	1.95E-03	1.61E-05	1.34E-03	0.00E+00	1.87E-05	0.00E+00
36KR 87	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				6.17E-03	1.03E-02	5.92E-03	9.73E-03	0.00E+00	1.02E-04	0.00E+00
36KR 88	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.52E-02	2.93E-03	1.47E-02	2.37E-03	0.00E+00	3.38E-05	0.00E+00
36KR 89	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.73E-02	1.06E-02	1.66E-02	1.01E-02	0.00E+00	1.09E-04	0.00E+00
54XE131M	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.56E-04	1.11E-03	9.15E-05	4.76E-04	0.00E+00	1.10E-05	0.00E+00
54XE133M	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.27E-04	1.48E-03	2.51E-04	9.94E-04	0.00E+00	1.46E-05	0.00E+00
54XE133	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.53E-04	1.05E-03	2.94E-04	3.06E-04	0.00E+00	1.05E-05	0.00E+00
54XE135M	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				3.36E-03	7.39E-04	3.12E-03	7.11E-04	0.00E+00	8.79E-06	0.00E+00
54XE135	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.92E-03	2.46E-03	1.81E-03	1.86E-03	0.00E+00	2.46E-05	0.00E+00
54XE137	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				1.51E-03	1.27E-02	1.42E-03	1.22E-02	0.00E+00	1.23E-04	0.00E+00
54XE138	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
				9.21E-03	4.75E-03	8.83E-03	4.13E-03	0.00E+00	4.93E-05	0.00E+00
53I 131	9.98E-07	2.80E-09	3.40E-09	4.16E-06	5.95E-06	3.41E-06	1.95E-03	1.02E-05	0.00E+00	1.57E-06
				3.15E-06	4.47E-06	2.56E-06	1.49E-03	7.66E-06	0.00E+00	7.85E-07
53I 133	9.26E-06	3.70E-09	4.50E-09	1.42E-06	2.47E-06	7.53E-07	3.65E-04	4.31E-06	0.00E+00	2.22E-06
				1.08E-06	1.85E-06	5.65E-07	2.69E-04	3.23E-06	0.00E+00	1.11E-06
1H 3	1.78E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07
				0.00E+00	1.58E-07	1.58E-07	1.58E-07	1.58E-07	1.58E-07	1.58E-07
24CR 51	2.90E-07	2.20E-10	2.60E-10	0.00E+00	0.00E+00	2.66E-09	1.59E-09	5.86E-10	3.53E-09	6.69E-07
				0.00E+00	0.00E+00	1.25E-08	7.44E-09	2.85E-09	1.80E-06	4.15E-07
25MN 54	2.57E-08	5.80E-09	6.80E-09	0.00E+00	4.57E-06	8.72E-07	0.00E+00	1.36E-06	0.00E+00	1.40E-05
				0.00E+00	4.95E-06	7.87E-07	0.00E+00	1.23E-06	1.75E-04	9.67E-06

GASOUT											
26FE 59	1.78E-07	8.00E-09	9.40E-09	4.34E-06	1.02E-05	3.91E-06	0.00E+00	0.00E+00	2.85E-06	3.40E-05	
				1.47E-06	3.47E-06	1.32E-06	0.00E+00	0.00E+00	1.27E-04	2.35E-05	
27CO 58	1.13E-07	7.00E-09	8.20E-09	0.00E+00	7.45E-07	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-05	
				0.00E+00	1.98E-07	2.59E-07	0.00E+00	0.00E+00	1.16E-04	1.33E-05	
27CO 60	4.17E-09	1.70E-08	2.00E-08	0.00E+00	2.14E-06	4.72E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-05	
				0.00E+00	1.44E-06	1.85E-06	0.00E+00	0.00E+00	7.46E-04	3.56E-05	
30ZN 65	3.29E-08	4.00E-09	4.60E-09	4.84E-06	1.54E-05	6.96E-06	0.00E+00	1.03E-05	0.00E+00	9.70E-06	
				4.05E-06	1.29E-05	5.82E-06	0.00E+00	8.62E-06	1.08E-04	6.68E-06	
38SR 89	1.59E-07	5.60E-13	6.50E-13	3.08E-04	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-05	
				3.80E-05	0.00E+00	1.09E-06	0.00E+00	0.00E+00	1.75E-04	4.37E-05	
38SR 90	7.71E-10	0.00E+00	0.00E+00	7.58E-03	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	2.19E-04	
				1.24E-02	0.00E+00	7.62E-04	0.00E+00	0.00E+00	1.20E-03	9.02E-05	
47AG110M	3.21E-08	1.80E-08	2.10E-08	1.60E-07	1.48E-07	8.79E-08	0.00E+00	2.91E-07	0.00E+00	6.04E-05	
				1.35E-06	1.25E-06	7.43E-07	0.00E+00	2.46E-06	5.79E-04	3.78E-05	
51SB125	7.97E-09	1.30E-08	1.50E-08	2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05	
				3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05	
55CS134	1.07E-08	1.20E-08	1.40E-08	6.22E-05	1.48E-04	1.21E-04	0.00E+00	4.79E-05	1.59E-05	2.59E-06	
				4.66E-05	1.06E-04	9.10E-05	0.00E+00	3.59E-05	1.22E-05	1.30E-06	
55CS136	6.12E-07	1.50E-08	1.70E-08	6.51E-06	2.57E-05	1.85E-05	0.00E+00	1.43E-05	1.96E-06	2.92E-06	
				4.88E-06	1.83E-05	1.38E-05	0.00E+00	1.07E-05	1.50E-06	1.46E-06	
55CS137	7.32E-10	4.20E-09	4.90E-09	7.97E-05	1.09E-04	7.14E-05	0.00E+00	3.70E-05	1.23E-05	2.11E-06	
				5.98E-05	7.76E-05	5.35E-05	0.00E+00	2.78E-05	9.40E-06	1.05E-06	
56BA140	6.27E-07	2.10E-09	2.40E-09	2.03E-05	2.55E-08	1.33E-06	0.00E+00	8.67E-09	1.46E-08	4.18E-05	
				4.88E-06	6.13E-09	3.21E-07	0.00E+00	2.09E-09	1.59E-04	2.73E-05	
53I 135	2.92E-05	1.20E-08	1.40E-08	4.43E-07	1.16E-06	4.28E-07	7.65E-05	1.86E-06	0.00E+00	1.31E-06	
				3.35E-07	8.73E-07	3.21E-07	5.60E-05	1.39E-06	0.00E+00	6.56E-07	
58CE144	2.82E-08	3.20E-10	3.70E-10	4.88E-07	2.04E-07	2.62E-08	0.00E+00	1.21E-07	0.00E+00	1.65E-04	
				4.29E-04	1.79E-04	2.30E-05	0.00E+00	1.06E-04	9.72E-04	1.02E-04	

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.
FOR NOBLE GASES LISTED UNDER COLUMNS MARKED

BONE IS THE GAMMA AIR DOSE FACTOR
LIVER IS THE BETA AIR DOSE FACTOR
T.BODY IS THE T.BODY DOSE FACTOR
THYROID IS THE SKIN BETA DOSE FACTOR
LUNG IS THE LUNG INTERNAL DOSE FACTOR

1

TEENAGER DOSE FACTORS						
NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG
						GI-LLI

GASOUT

53I 131	5.85E-06	8.19E-06	4.40E-06	2.39E-03	1.41E-05	0.00E+00	1.62E-06
	4.43E-06	6.14E-06	3.30E-06	1.83E-03	1.05E-05	0.00E+00	8.11E-07
53I 133	2.01E-06	3.41E-06	1.04E-06	4.76E-04	5.98E-06	0.00E+00	2.58E-06
	1.52E-06	2.56E-06	7.78E-07	3.65E-04	4.49E-06	0.00E+00	1.29E-06
1H 3	0.00E+00	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07
	0.00E+00	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.59E-07
24CR 51	0.00E+00	0.00E+00	3.60E-09	2.00E-09	7.89E-10	5.14E-09	6.05E-07
	0.00E+00	0.00E+00	1.69E-08	9.37E-09	3.84E-09	2.62E-06	3.75E-07
25MN 54	0.00E+00	5.90E-06	1.17E-06	0.00E+00	1.76E-06	0.00E+00	1.21E-05
	0.00E+00	6.39E-06	1.05E-06	0.00E+00	1.59E-06	2.48E-04	8.35E-06
26FE 59	5.87E-06	1.37E-05	5.29E-06	0.00E+00	0.00E+00	4.32E-06	3.24E-05
	1.99E-06	4.62E-06	1.79E-06	0.00E+00	0.00E+00	1.91E-04	2.23E-05
27CO 58	0.00E+00	9.72E-07	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05
	0.00E+00	2.59E-07	3.47E-07	0.00E+00	0.00E+00	1.68E-04	1.19E-05
27CO 60	0.00E+00	2.81E-06	6.33E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-05
	0.00E+00	1.89E-06	2.48E-06	0.00E+00	0.00E+00	1.09E-03	3.24E-05
30ZN 65	5.76E-06	2.00E-05	9.33E-06	0.00E+00	1.28E-05	0.00E+00	8.47E-06
	4.82E-06	1.67E-05	7.80E-06	0.00E+00	1.08E-05	1.55E-04	5.83E-06
38SR 89	4.40E-04	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-05
	5.43E-05	0.00E+00	1.56E-06	0.00E+00	0.00E+00	3.02E-04	4.64E-05
38SR 90	8.30E-03	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-04
	1.35E-02	0.00E+00	8.35E-04	0.00E+00	0.00E+00	2.06E-03	9.56E-05
40ZR 95	4.12E-08	1.30E-08	8.94E-09	0.00E+00	1.91E-08	0.00E+00	3.00E-05
	1.82E-05	5.73E-06	3.94E-06	0.00E+00	8.42E-06	3.36E-04	1.86E-05
47AG110M	2.05E-07	1.94E-07	1.18E-07	0.00E+00	3.70E-07	0.00E+00	5.45E-05
	1.73E-06	1.64E-06	9.99E-07	0.00E+00	3.13E-06	8.44E-04	3.41E-05
51SB125	2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05
	3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05
55CS134	8.37E-05	1.97E-04	9.14E-05	0.00E+00	6.26E-05	2.39E-05	2.45E-06
	6.28E-05	1.41E-04	6.86E-05	0.00E+00	4.69E-05	1.83E-05	1.22E-06
55CS136	8.59E-06	3.38E-05	2.27E-05	0.00E+00	1.84E-05	2.90E-06	2.72E-06
	6.44E-06	2.42E-05	1.71E-05	0.00E+00	1.38E-05	2.22E-06	1.36E-06
55CS137	1.12E-04	1.49E-04	5.19E-05	0.00E+00	5.07E-05	1.97E-05	2.12E-06
	8.38E-05	1.06E-04	3.89E-05	0.00E+00	3.80E-05	1.51E-05	1.06E-06
56BA140	2.84E-05	3.48E-08	1.83E-06	0.00E+00	1.18E-08	2.34E-08	4.38E-05
	6.84E-06	8.38E-09	4.40E-07	0.00E+00	2.85E-09	2.54E-04	2.86E-05
58CE144	6.96E-07	2.88E-07	3.74E-08	0.00E+00	1.72E-07	0.00E+00	1.75E-04
	6.11E-04	2.53E-04	3.28E-05	0.00E+00	1.51E-04	1.67E-03	1.08E-04
58CE144	6.96E-07	2.88E-07	3.74E-08	0.00E+00	1.72E-07	0.00E+00	1.75E-04
	6.11E-04	2.53E-04	3.28E-05	0.00E+00	1.51E-04	1.67E-03	1.08E-04
53I 135	6.10E-07	1.57E-06	5.82E-07	1.01E-04	2.48E-06	0.00E+00	1.74E-06
	4.62E-07	1.18E-06	4.36E-07	7.76E-05	1.86E-06	0.00E+00	8.69E-07
44RU103	2.55E-07	0.00E+00	1.09E-07	0.00E+00	8.99E-07	0.00E+00	2.13E-05
	2.63E-07	0.00E+00	1.12E-07	0.00E+00	9.29E-07	9.79E-05	1.36E-05

GASOUT

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.

1

CHILD DOSE FACTORS

NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
53I 131	1.72E-05	1.73E-05	9.83E-06	5.72E-03	2.84E-05	0.00E+00	1.54E-06
	1.30E-05	1.30E-05	7.37E-06	4.39E-03	2.13E-05	0.00E+00	7.68E-07
53I 133	5.92E-06	7.32E-06	2.77E-06	1.36E-03	1.22E-05	0.00E+00	2.95E-06
	4.48E-06	5.49E-06	2.08E-06	1.04E-03	9.13E-06	0.00E+00	1.48E-06
1H 3	0.00E+00	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07
	0.00E+00	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07
24CR 51	0.00E+00	0.00E+00	8.90E-09	4.94E-09	1.35E-09	9.02E-09	4.72E-07
	0.00E+00	0.00E+00	4.17E-08	2.31E-08	6.57E-09	4.59E-06	2.93E-07
25MN 54	0.00E+00	1.07E-05	2.85E-06	0.00E+00	3.00E-06	0.00E+00	8.98E-06
	0.00E+00	1.16E-05	2.57E-06	0.00E+00	2.71E-06	4.26E-04	6.19E-06
26FE 59	1.65E-05	2.67E-05	1.33E-05	0.00E+00	0.00E+00	7.74E-06	2.78E-05
	5.59E-06	9.04E-06	4.51E-06	0.00E+00	0.00E+00	3.43E-04	1.91E-05
27CO 58	0.00E+00	1.80E-06	5.51E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-05
	0.00E+00	4.79E-07	8.55E-07	0.00E+00	0.00E+00	2.99E-04	9.29E-06
27CO 60	0.00E+00	5.29E-06	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-05
	0.00E+00	3.55E-06	6.12E-06	0.00E+00	0.00E+00	1.91E-03	2.60E-05
30ZN 65	1.37E-05	3.65E-05	2.27E-05	0.00E+00	2.30E-05	0.00E+00	6.41E-06
	1.15E-05	3.06E-05	1.90E-05	0.00E+00	1.93E-05	2.69E-04	4.41E-06
38SR 89	1.32E-03	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-05
	1.62E-04	0.00E+00	4.66E-06	0.00E+00	0.00E+00	5.83E-04	4.52E-05
38SR 90	1.70E-02	0.00E+00	4.31E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-04
	2.73E-02	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.99E-03	9.28E-05
40ZR 95	1.16E-07	2.55E-08	2.27E-08	0.00E+00	3.65E-08	0.00E+00	2.66E-05
	5.13E-05	1.13E-05	1.00E-05	0.00E+00	1.61E-05	6.03E-04	1.65E-05
47AG110M	5.39E-07	3.64E-07	2.91E-07	0.00E+00	6.78E-07	0.00E+00	4.33E-05
	4.56E-06	3.08E-06	2.47E-06	0.00E+00	5.74E-06	1.48E-03	2.71E-05
51SB125	2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05
	3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05
55CS134	2.34E-04	3.84E-04	8.10E-05	0.00E+00	1.19E-04	4.27E-05	2.07E-06
	1.76E-04	2.74E-04	6.07E-05	0.00E+00	8.93E-05	3.27E-05	1.04E-06
55CS136	2.35E-05	6.46E-05	4.18E-05	0.00E+00	3.44E-05	5.13E-06	2.27E-06
	1.76E-05	4.62E-05	3.14E-05	0.00E+00	2.58E-05	3.93E-06	1.13E-06
55CS137	3.27E-04	3.13E-04	4.62E-05	0.00E+00	1.02E-04	3.67E-05	1.96E-06
	2.45E-04	2.23E-04	3.47E-05	0.00E+00	7.63E-05	2.81E-05	9.78E-07

GASOUT

56BA140	8.31E-05	7.28E-08	4.85E-06	0.00E+00	2.37E-08	4.34E-08	4.21E-05
	2.00E-05	1.75E-08	1.17E-06	0.00E+00	5.71E-09	4.71E-04	2.75E-05
58CE144	2.08E-06	6.52E-07	1.11E-07	0.00E+00	3.61E-07	0.00E+00	1.70E-04
	1.83E-03	5.72E-04	9.77E-05	0.00E+00	3.17E-04	3.23E-03	1.05E-04
58CE144	2.08E-06	6.52E-07	1.11E-07	0.00E+00	3.61E-07	0.00E+00	1.70E-04
	1.83E-03	5.72E-04	9.77E-05	0.00E+00	3.17E-04	3.23E-03	1.05E-04
53I 135	1.75E-06	3.15E-06	1.49E-06	2.79E-04	4.83E-06	0.00E+00	2.40E-06
	1.33E-06	2.36E-06	1.12E-06	2.14E-04	3.62E-06	0.00E+00	1.20E-06
44RU103	7.31E-07	0.00E+00	2.81E-07	0.00E+00	1.84E-06	0.00E+00	1.89E-05
	7.55E-07	0.00E+00	2.90E-07	0.00E+00	1.90E-06	1.79E-04	1.21E-05

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.

1

INFANT DOSE FACTORS

NUCLIDE	BONE	LIVER	T.BODY	THYROID	KIDNEY	LUNG	GI-LLI
53I 131	3.59E-05	4.23E-05	1.86E-05	1.39E-02	4.94E-05	0.00E+00	1.51E-06
	2.71E-05	3.17E-05	1.40E-05	1.06E-02	3.70E-05	0.00E+00	7.56E-07
53I 133	1.25E-05	1.82E-05	5.33E-06	3.31E-03	2.14E-05	0.00E+00	3.08E-06
	9.46E-06	1.37E-05	4.00E-06	2.54E-03	1.60E-05	0.00E+00	1.54E-06
1H 3	0.00E+00	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07
	0.00E+00	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07
24CR 51	0.00E+00	0.00E+00	1.41E-08	9.20E-09	2.01E-09	1.79E-08	4.11E-07
	0.00E+00	0.00E+00	6.39E-08	4.11E-08	9.45E-09	9.17E-06	2.55E-07
25MN 54	0.00E+00	1.99E-05	4.51E-06	0.00E+00	4.41E-06	0.00E+00	7.31E-06
	0.00E+00	1.81E-05	3.56E-06	0.00E+00	3.56E-06	7.14E-04	5.04E-06
26FE 59	3.08E-05	5.38E-05	2.12E-05	0.00E+00	0.00E+00	1.59E-05	2.57E-05
	9.69E-06	1.68E-05	6.77E-06	0.00E+00	0.00E+00	7.25E-04	1.77E-05
27CO 58	0.00E+00	3.60E-06	8.98E-06	0.00E+00	0.00E+00	0.00E+00	8.97E-06
	0.00E+00	8.71E-07	1.30E-06	0.00E+00	0.00E+00	5.55E-04	7.95E-06
27CO 60	0.00E+00	1.08E-05	2.55E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-05
	0.00E+00	5.73E-06	8.41E-06	0.00E+00	0.00E+00	3.22E-03	2.28E-05
30ZN 65	1.84E-05	6.31E-05	2.91E-05	0.00E+00	3.06E-05	0.00E+00	5.33E-05
	1.38E-05	4.47E-05	2.22E-05	0.00E+00	2.32E-05	4.62E-04	3.67E-05
38SR 89	2.51E-03	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	5.16E-05
	2.84E-04	0.00E+00	8.15E-06	0.00E+00	0.00E+00	1.45E-03	4.57E-05
38SR 90	1.85E-02	0.00E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-04
	2.92E-02	0.00E+00	1.85E-03	0.00E+00	0.00E+00	8.03E-03	9.36E-05
40ZR 95	2.06E-07	5.02E-08	3.56E-08	0.00E+00	5.41E-08	0.00E+00	2.50E-05
	8.24E-05	1.99E-05	1.45E-05	0.00E+00	2.22E-05	1.25E-03	1.55E-05

	GASOUT							
47AG110M	9.96E-07	7.27E-07	4.81E-07	0.00E+00	1.04E-06	0.00E+00	3.77E-05	
	7.13E-06	5.16E-06	3.57E-06	0.00E+00	7.80E-06	2.62E-03	2.36E-05	
51SB125	2.16E-06	9.21E-07	6.88E-06	1.71E-07	4.18E-07	2.23E-06	2.14E-05	
	3.62E-06	3.17E-06	1.22E-05	1.20E-06	0.00E+00	8.03E-05	1.24E-05	
55CS134	3.77E-04	7.03E-04	7.10E-05	0.00E+00	1.81E-04	7.42E-05	1.91E-06	
	2.83E-04	5.02E-04	5.32E-05	0.00E+00	1.36E-04	5.69E-05	9.53E-07	
55CS136	4.59E-05	1.35E-04	5.04E-05	0.00E+00	5.38E-05	1.10E-05	2.05E-06	
	3.45E-05	9.61E-05	3.78E-05	0.00E+00	4.03E-05	8.40E-06	1.02E-06	
55CS137	5.22E-04	6.11E-04	4.33E-05	0.00E+00	1.64E-04	6.64E-05	1.91E-06	
	3.92E-04	4.37E-04	3.25E-05	0.00E+00	1.23E-04	5.09E-05	9.53E-07	
56BA140	1.71E-04	1.71E-07	8.81E-06	0.00E+00	4.06E-08	1.05E-07	4.20E-05	
	4.00E-05	4.00E-08	2.07E-06	0.00E+00	9.59E-09	1.14E-03	2.74E-05	
58CE141	7.87E-08	4.80E-08	5.65E-09	0.00E+00	1.48E-08	0.00E+00	2.48E-05	
	1.98E-05	1.19E-05	1.42E-06	0.00E+00	3.75E-06	3.69E-04	1.54E-05	
58CE144	2.98E-06	1.22E-06	1.67E-07	0.00E+00	4.93E-07	0.00E+00	1.71E-04	
	2.28E-03	8.65E-04	1.26E-04	0.00E+00	3.84E-04	7.03E-03	1.06E-04	
53I 135	3.64E-06	7.24E-06	2.64E-06	6.49E-04	8.07E-06	0.00E+00	2.62E-06	
	2.76E-06	5.43E-06	1.98E-06	4.97E-04	6.05E-06	0.00E+00	1.31E-06	
44RU103	1.48E-06	0.00E+00	4.95E-07	0.00E+00	3.08E-06	0.00E+00	1.80E-05	
	1.44E-06	0.00E+00	4.85E-07	0.00E+00	3.03E-06	3.94E-04	1.15E-05	

INGESTION DOSE FACTORS ARE ON FIRST LINE-INHALATION ON SECOND LINE.
DOSE FACTOR LIBRARY CONTAINS 99 ENTRIES

1

DOSE FACTORS REVISED 10/25/88

JOB CONTROL(JC)- 1 3 1 0 2 0 0 0 0 0

FRACTIONS OF:

LEAFY VEGETABLES FROM GARDEN(FV)- .50 YEAR MILK COWS/BEEF ANIMALS/GOATS ON PASTURE(FP/FB/FGT)- .50/ .50/ .50

OTHER EDIBLES FROM GARDEN(FG)- .76 MILK COW/BEEF/GOAT DAILY INTAKE FROM PASTURE(FPF/FBF/FPG)-1.00/1.00/1.00

HUMIDITY (G/M**3)- 5.28

MONTICELLO VENT RELEASES 2007 CONTINUOUS MODE

UML = 1.00E+00 JC1 = 0 JC2 = 0

NUCLIDE CI/YR

1H 3 2.57E+01

54XE135 1.27E+00

53I 131 3.56E-03

53I 133 1.62E-02

53I 135 1.67E-02

GASOUT

25MN 54 6.46E-06
 27CO 58 3.33E-06
 27CO 60 2.94E-04
 30ZN 65 2.77E-05
 55CS137 1.34E-04
 56BA140 1.51E-04
 47AG110M 1.20E-05
 51SB125 5.63E-05
 38SR 89 2.87E-05
 14 2.70071700E+01

1

DOSE FACTORS REVISED 10/25/88

JS SPECIAL LOCATION DIR MILES X/Q X/Q|DEC X/Q|DEP DEPOSIT PL GD VT MT CM GM IN
 0 R MAX BOUND I SSE .40 4.08E-06 4.08E-06 4.08E-06 5.95E-08 0 0 0 0 0 0 0

1

DOSE FACTORS REVISED 10/25/88

MONTICELLO STACK RELEASES 2007 CONTINUOUS MODE
 UML = 1.00E+00 JC1 = 0 JC2 = 0

NUCLIDE CI/YR
 1H 3 1.38E+01
 36KR 85M 7.98E-01
 36KR 87 2.18E+00
 36KR 88 2.10E+00
 54XE131M 2.93E-01
 54XE133 1.03E+02
 54XE133M 1.47E+00
 54XE135 1.56E+01
 54XE135M 1.45E+01
 54XE137 2.75E+01
 54XE138 2.91E+01
 18AR 41 3.80E-02
 53I 131 1.63E-03
 53I 133 6.03E-03
 53I 135 1.01E-02
 24CR 51 2.36E-07
 27CO 60 3.29E-06

GASOUT

55CS137 1.17E-07
 56BA140 5.14E-05
 58CE144 6.31E-08
 38SR 89 1.94E-05
 38SR 90 8.42E-08
 22 2.10396800E+02

1

DOSE FACTORS REVISED 10/25/88

JS	SPECIAL LOCATION	DIR	MILES	X/Q	X/Q DEC	X/Q DEP	DEPOSIT	PL	GD	VT	MT	CM	GM	IN
0	R MAX BOUND	I	SSE	.40	3.99E-08	3.99E-08	3.99E-08	4.20E-09	0	0	0	0	0	0

1

DOSE FACTORS REVISED 10/25/88

MONTICELLO VENT RELEASES 2007 BATCH MODE
 UML = 1.00E+00 JC1 = 0 JC2 = 0
 NUCLIDE CI/YR
 54XE133 5.18E-02
 18AR 41 0.00E+00
 27CO 60 0.00E+00
 3 5.18000000E-02

1

DOSE FACTORS REVISED 10/25/88

JS	SPECIAL LOCATION	DIR	MILES	X/Q	X/Q DEC	X/Q DEP	DEPOSIT	PL	GD	VT	MT	CM	GM	IN
0	R MAX BOUND	I	SSE	.40	4.08E-06	4.08E-06	4.08E-06	5.95E-08	0	0	0	0	0	0

1

DOSE FACTORS REVISED 10/25/88

SPECIAL LOCATION # 1 R MAX BOUND I
 AT .40 MILES SSE

ANNUAL BETA AIR DOSE = 1.27E-03 MILLRADS > 2.18e-3
 ANNUAL GAMMA AIR DOSE = 9.14E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	GASOUT KIDNEY	THYROID	LUNG	SKIN
PLUME	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.16E-04	1.72E-03
GROUND	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.86E-02
VEGET ADULT	1.26E-02	1.29E-02	2.27E-03	1.33E-02	1.19E-02	8.30E-02	1.10E-02	1.08E-02
TEEN	1.44E-02	1.50E-02	3.58E-03	1.66E-02	1.43E-02	7.43E-02	1.32E-02	1.27E-02
CHILD	2.17E-02	2.14E-02	8.42E-03	2.64E-02	2.24E-02	1.16E-01	2.06E-02	1.99E-02
MEAT ADULT	1.86E-03	2.17E-03	1.64E-04	1.91E-03	1.78E-03	9.66E-03	1.68E-03	1.66E-03
TEEN	1.10E-03	1.27E-03	1.35E-04	1.19E-03	1.09E-03	6.79E-03	1.01E-03	9.91E-04
CHILD	1.32E-03	1.34E-03	2.45E-04	1.46E-03	1.32E-03	9.94E-03	1.22E-03	1.20E-03
COW MILK ADULT	5.32E-03	4.62E-03	1.63E-03	6.19E-03	5.72E-03	2.32E-01	4.06E-03	3.90E-03
TEEN	6.76E-03	5.97E-03	2.94E-03	9.12E-03	8.30E-03	3.66E-01	5.42E-03	5.08E-03
CHILD	1.02E-02	8.67E-03	7.07E-03	1.50E-02	1.34E-02	7.26E-01	8.54E-03	8.03E-03
INFANT	1.55E-02	1.32E-02	1.24E-02	2.68E-02	2.12E-02	1.76E+00	1.31E-02	1.22E-02
GOATMILK ADULT	1.13E-02	8.38E-03	3.81E-03	1.31E-02	1.09E-02	2.81E-01	8.44E-03	7.96E-03
TEEN	1.38E-02	1.09E-02	6.92E-03	1.95E-02	1.56E-02	4.44E-01	1.14E-02	1.04E-02
CHILD	1.98E-02	1.68E-02	1.67E-02	3.22E-02	2.51E-02	8.78E-01	1.79E-02	1.64E-02
INFANT	2.96E-02	2.53E-02	2.80E-02	5.71E-02	3.94E-02	2.12E+00	2.76E-02	2.49E-02
INHAL ADULT	4.26E-03	4.27E-03	4.62E-05	4.30E-03	4.33E-03	1.52E-02	4.50E-03	4.22E-03
TEEN	4.29E-03	4.31E-03	6.47E-05	4.35E-03	4.40E-03	1.85E-02	4.65E-03	4.25E-03
CHILD	3.80E-03	3.79E-03	8.75E-05	3.86E-03	3.90E-03	2.11E-02	4.09E-03	3.76E-03

T. BODY

A.Y 2.18E-3
 P 6.04E-4
 G 1.59E-2
 I 4.26E-3
 2.29E-2

THYROID

A.Y 2.18E-3
 P 6.04E-4
 G 1.59E-2
 I 1.52E-2
 3.39E-2

SKIN

A.Y 2.18E-3
 P 1.72E-3
 G 1.86E-2
 I 4.22E-3
 2.67E-2

GASOUT

INFANT	2.19E-03	2.17E-03	6.60E-05	2.25E-03	2.25E-03	1.80E-02	2.38E-03	2.16E-03
--------	----------	----------	----------	----------	----------	----------	----------	----------

1

DOSE FACTORS REVISED 10/25/88

ANNUAL INDIVIDUAL DOSE (MREM) SUMMARY BY PATHWAY & NUCLIDE

SPECIAL LOCATION # 1 R MAX BOUND I

PATHWAY = PLUME

NUCLIDE	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
XE135	2.33E-04 38.62%	2.33E-04 38.62%	2.33E-04 38.62%	2.33E-04 38.62%	2.33E-04 38.62%	2.33E-04 38.62%	2.38E-04 38.56%	6.17E-04 35.84%
KR 85M	8.27E-07 .14%	8.27E-07 .14%	8.27E-07 .14%	8.27E-07 .14%	8.27E-07 .14%	8.27E-07 .14%	8.46E-07 .14%	2.44E-06 .14%
KR 87	1.14E-05 1.89%	1.14E-05 1.89%	1.14E-05 1.89%	1.14E-05 1.89%	1.14E-05 1.89%	1.14E-05 1.89%	1.17E-05 1.90%	4.00E-05 2.33%
KR 88	2.73E-05 4.53%	2.73E-05 4.53%	2.73E-05 4.53%	2.73E-05 4.53%	2.73E-05 4.53%	2.73E-05 4.53%	2.74E-05 4.45%	3.77E-05 2.19%
XE131M	2.37E-08 .00%	2.37E-08 .00%	2.37E-08 .00%	2.37E-08 .00%	2.37E-08 .00%	2.37E-08 .00%	2.78E-08 .00%	2.21E-07 .01%
XE133	2.82E-05 4.67%	2.82E-05 4.67%	2.82E-05 4.67%	2.82E-05 4.67%	2.82E-05 4.67%	2.82E-05 4.67%	2.96E-05 4.81%	7.95E-05 4.62%
XE133M	3.27E-07 .05%	3.27E-07 .05%	3.27E-07 .05%	3.27E-07 .05%	3.27E-07 .05%	3.27E-07 .05%	3.54E-07 .06%	2.32E-06 .13%
XE135M	4.01E-05 6.64%	4.01E-05 6.64%	4.01E-05 6.64%	4.01E-05 6.64%	4.01E-05 6.64%	4.01E-05 6.64%	4.02E-05 6.53%	6.09E-05 3.54%
XE137	3.46E-05 5.73%	3.46E-05 5.73%	3.46E-05 5.73%	3.46E-05 5.73%	3.46E-05 5.73%	3.46E-05 5.73%	3.89E-05 6.30%	4.65E-04 27.03%
XE138	2.28E-04 37.69%	2.28E-04 37.69%	2.28E-04 37.69%	2.28E-04 37.69%	2.28E-04 37.69%	2.28E-04 37.69%	2.29E-04 37.21%	4.15E-04 24.14%
AR 41	2.97E-07 .05%	2.97E-07 .05%	2.97E-07 .05%	2.97E-07 .05%	2.97E-07 .05%	2.97E-07 .05%	2.97E-07 .05%	4.77E-07 .03%

GASOUT

TOTAL	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.04E-04	6.16E-04	1.72E-03
---------	----------	----------	----------	----------	----------	----------	----------	----------

1

DOSE FACTORS REVISED 10/25/88

ANNUAL INDIVIDUAL DOSE (MREM) SUMMARY BY PATHWAY & NUCLIDE

SPECIAL LOCATION # 1 R MAX BOUND I

PATHWAY = GROUND

NUCLIDE	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
I 131	5.96E-05 .38%	5.96E-05 .38%	5.96E-05 .38%	5.96E-05 .38%	5.96E-05 .38%	5.96E-05 .38%	5.96E-05 .38%	7.24E-05 .39%
I 133	3.84E-05 .24%	3.84E-05 .24%	3.84E-05 .24%	3.84E-05 .24%	3.84E-05 .24%	3.84E-05 .24%	3.84E-05 .24%	4.67E-05 .25%
I 135	4.14E-05 .26%	4.14E-05 .26%	4.14E-05 .26%	4.14E-05 .26%	4.14E-05 .26%	4.14E-05 .26%	4.14E-05 .26%	4.83E-05 .26%
MN 54	1.69E-05 .11%	1.69E-05 .11%	1.69E-05 .11%	1.69E-05 .11%	1.69E-05 .11%	1.69E-05 .11%	1.69E-05 .11%	1.98E-05 .11%
CO 58	2.39E-06 .02%	2.39E-06 .02%	2.39E-06 .02%	2.39E-06 .02%	2.39E-06 .02%	2.39E-06 .02%	2.39E-06 .02%	2.79E-06 .02%
CO 60	1.19E-02 75.28%	1.19E-02 75.28%	1.19E-02 75.28%	1.19E-02 75.28%	1.19E-02 75.28%	1.19E-02 75.28%	1.19E-02 75.28%	1.41E-02 75.47%
ZN 65	3.90E-05 .25%	3.90E-05 .25%	3.90E-05 .25%	3.90E-05 .25%	3.90E-05 .25%	3.90E-05 .25%	3.90E-05 .25%	4.48E-05 .24%
CS137	2.60E-03 16.40%	2.60E-03 16.40%	2.60E-03 16.40%	2.60E-03 16.40%	2.60E-03 16.40%	2.60E-03 16.40%	2.60E-03 16.40%	3.04E-03 16.31%
BA140	5.99E-06 .04%	5.99E-06 .04%	5.99E-06 .04%	5.99E-06 .04%	5.99E-06 .04%	5.99E-06 .04%	5.99E-06 .04%	6.85E-06 .04%
AG110M	7.78E-05 .49%	7.78E-05 .49%	7.78E-05 .49%	7.78E-05 .49%	7.78E-05 .49%	7.78E-05 .49%	7.78E-05 .49%	9.08E-05 .49%
SB125	1.04E-03 6.54%	1.04E-03 6.54%	1.04E-03 6.54%	1.04E-03 6.54%	1.04E-03 6.54%	1.04E-03 6.54%	1.04E-03 6.54%	1.20E-03 6.43%

Total Tritium	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>
	13.6	8.48	10.1	7.31

* Assume H-3 releases are 35% from Elevated and 65% from Building Vent

2007 ELEVATED RELEASES

<u>Isotope</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Total</u>
H-3*	4.76E+00	2.97E+00	3.54E+00	2.56E+00	1.38E+01
Kr-85m	4.30E-01	1.46E-01	3.25E-02	1.89E-01	7.98E-01
Kr-87	1.08E+00	2.69E-01	1.11E-01	7.19E-01	2.18E+00
Kr-88	1.07E+00	3.37E-01	1.18E-01	5.75E-01	2.10E+00
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	0.00E+00	0.00E+00	0.00E+00	2.93E-01	2.93E-01
Xe-133	9.29E+00	6.41E+00	6.15E+00	8.11E+01	1.03E+02
Xe-133m	1.44E-01	2.63E-02	3.88E-02	1.26E+00	1.47E+00
Xe-135	8.27E+00	2.26E+00	1.73E+00	3.32E+00	1.56E+01
Xe-135m	4.05E+00	1.95E+00	2.99E+00	5.47E+00	1.45E+01
Xe-137	3.72E+00	4.22E+00	1.17E+01	7.88E+00	2.75E+01
Xe-138	8.32E+00	4.76E+00	7.03E+00	9.00E+00	2.91E+01
Ar-41	3.80E-02	0.00E+00	0.00E+00	0.00E+00	3.80E-02
I-131	1.83E-04	9.81E-05	1.94E-04	1.15E-03	1.63E-03
I-133	1.35E-03	9.94E-04	1.87E-03	1.82E-03	6.03E-03
I-135	2.31E-03	1.69E-03	3.19E-03	2.95E-03	1.01E-02
Cr-51	2.36E-07	0.00E+00	0.00E+00	0.00E+00	2.36E-07
Mn-54	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	1.07E-06	1.05E-06	4.03E-07	7.63E-07	3.29E-06
Zn-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	6.35E-08	5.37E-08	0.00E+00	0.00E+00	1.17E-07
Ba-140	7.15E-06	9.48E-06	1.82E-05	1.66E-05	5.14E-05
Ce-144	0.00E+00	0.00E+00	0.00E+00	6.31E-08	6.31E-08
Sr-89	3.28E-06	4.01E-06	4.49E-06	7.57E-06	1.94E-05
Sr-90	0.00E+00	7.73E-08	6.87E-09	0.00E+00	8.42E-08
Total	4.12E+01	2.33E+01	3.34E+01	1.12E+02	2.10E+02

2007 BUILDING VENT RELEASES

<u>Isotope</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Total</u>
H-3*	8.84E+00	5.51E+00	6.57E+00	4.75E+00	2.57E+01
Kr-85m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-135	5.95E-01	0.00E+00	5.89E-01	8.41E-02	1.27E+00
Xe-135m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ar-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	2.43E-04	1.53E-04	7.66E-04	2.40E-03	3.56E-03
I-133	8.39E-04	1.69E-03	9.97E-03	3.73E-03	1.62E-02
I-135	9.36E-05	2.40E-03	1.42E-02	0.00E+00	1.67E-02
Mn-54	5.88E-06	5.77E-07	0.00E+00	0.00E+00	6.46E-06
Co-58	2.69E-06	0.00E+00	6.37E-07	0.00E+00	3.33E-06
Co-60	1.12E-04	6.65E-05	6.55E-05	5.04E-05	2.94E-04
Zn-65	0.00E+00	0.00E+00	1.79E-05	9.75E-06	2.77E-05
Cs-137	8.08E-05	4.92E-06	1.54E-05	3.26E-05	1.34E-04
Ba-140	0.00E+00	6.12E-06	1.05E-04	3.95E-05	1.51E-04
Ag-110m	0.00E+00	0.00E+00	1.20E-05	0.00E+00	1.20E-05
Sb-125	0.00E+00	0.00E+00	0.00E+00	5.63E-05	5.63E-05
Sr-89	0.00E+00	0.00E+00	1.41E-05	1.46E-05	2.87E-05
Sr-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	9.44E+00	5.52E+00	7.18E+00	4.84E+00	2.70E+01

2007 BATCH RELEASES

STACK

<u>Isotope</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Total</u>
Xe-135	1.38E-03	2.33E-03	0.00E+00	0.00E+00	3.71E-03
Ar-41	1.67E-02	9.17E-03	0.00E+00	0.00E+00	2.59E-02

RBV

<u>Isotope</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Total</u>
Xe-133	5.18E-02	0.00E+00	0.00E+00	0.00E+00	5.18E-02

LIQUID

<u>Isotope</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Total</u>
Total (Ci)	0.00E+00	2.37E-05	0.00E+00	0.00E+00	2.37E-05
Was. Vol (L)	0.00E+00	3.79E+02	0.00E+00	0.00E+00	3.79E+02
Dil. Vol (L)	0.00E+00	6.07E+04	0.00E+00	0.00E+00	6.07E+04

ENCLOSURE 2

**OFF-SITE RADIATION DOSE ASSESSMENT FOR
JANUARY 1 – DECEMBER 31, 2007**

46 pages follow

MONTICELLO NUCLEAR GENERATING PLANT

Offsite Radiation Dose Assessment for January 1, - December 31, 2007

An assessment of radiation dose due to releases from the Monticello Nuclear Generating Plant during 2007 was performed in accordance with the Offsite Dose Calculation Manual (ODCM). Computed doses were well below the 40 CFR 190 Standards and 10 CFR Part 50, Appendix I Guidelines.

Offsite dose calculation formulas and meteorological data from the Offsite Dose Calculation Manual were used in making this assessment. Source terms were obtained from the Radioactive Effluent Release Report for 2007.

Offsite Dose from Gaseous Releases (ODCM –08.01 section 2.1.3)

Computed dose due to gaseous releases are reported in Table 1. Critical receptor location and pathways for organ dose are reported in Table 2. Whole body and organ dose due to gaseous releases are a small percentage of Appendix I Guidelines.

Offsite Dose From Liquid Releases (ODCM –08.01 section 2.1.3)

Dose from liquid releases are listed in Table 1.

Dose to Individuals Due to Their Activities Inside the Site Boundary (ODCM –08.01 section 2.1.3)

Computed dose to the whole body, skin and organ (thyroid), are reported in Table 1. There are several groups of concern, Security Officers training at the rifle range at the old EPA station, cleaning contractors at the new Receiving Warehouse and XCEL Energy Company transmission and distribution crews working in the substation. Use of a very conservative assumption of 40 hours/week spent inside the site boundary by these groups would conservatively represent the most exposed individual. The annual whole body, skin and organ dose was computed using plant stack and reactor building vent X/Q and D/Q values for the Substation (a bounding location due to predominant wind direction and nearness to the release points) as input to the GASPARE code. This computed dose was reduced by the factor of 40/168 to account for limited occupancy.

Dose to the Likely Most Exposed Member of the General Public from Reactor Releases and Other Nearby Uranium Fuel Cycle Sources (ODCM –08.01 section 2.1.4)

There are no other uranium fuel facilities in the vicinity of the Monticello site. The only artificial source of exposure to the general public in addition to the plant effluent releases is from direct radiation of the reactor and the steam turbines.

An Independent Spent Fuel Storage Facility (ISFSI) was constructed west of the plant in 2007. Preoperational monitoring for gamma and neutron dose has been completed. There was no spent fuel stored in the ISFSI in 2007.

Environmental TLDs were used to provide data on direct and skyshine radiation dose and the GASPAR code was used to provide data on dose from airborne pathways.

TLD results from the area of the site boundary and the 5 mile ring show no significant differences between these TLD's and the control TLD's.

Therefore, the likely most exposed member of the general public will not receive an annual radiation dose from reactor effluent releases and all other fuel cycle activities in excess of 40 CFR 190 standards of 25 millirem to the whole body, 75 millirem to the thyroid, and 25 millirem to any other organ.

Changes in Land Use and Non Obtainable Milk or Vegetable Samples
(ODCM –08.01 sections 2.1.8 and 2.1.9)

There were no changes in land use resulting in significant increases in calculated doses. Five onsite monitoring wells (M-36 through M-40) were added to the program in the third quarter of 2007 and analyzed for tritium and gamma-emitting isotopes. The drinking water wells added to the sampling program in 2006 (M-29 through M-32) have been removed from the sampling program. These wells were added as temporary monitoring points until an on-site hydrogeology study could be completed and monitoring wells drilled. Milk samples were unavailable at sample location M-28 (Hoglund Farm) from 6/14/07 to 10/25/07 due to the farm being temporarily out of business. Milk samples were unavailable at sample location M-24 (Weinand Farm) on 11/14/07 and 12/12/07 due to the farm no longer milking cows. Land use census results show that there were no other indicator sample locations to replace this farm. Milk production and sampling has resumed at the Hoglund farm starting 11/14/07. There were no vegetable samples that could not be obtained during this reporting period.

Table 1

Offsite Radiation Dose Assessment - Monticello

PERIOD: January 1, through December 31, 2007

GASEOUS RELEASES	DOSE	10CFR50 Appendix I Guidelines
Maximum Site Boundary Gamma Air Dose (mrad/year)	0.0009	10
Maximum Site Boundary Beta Air Dose (mrad/year)	0.001	20
Maximum Off-Site Dose to Any Organ (mrem/year)	0.0105	15
Maximum Dose to the Likely Most Exposed Member of the General Public (mrem/year)		
Whole Body	0.007	5
Skin	0.007	15
Max Organ (Thyroid)	0.0105	15
LIQUID RELEASES		
Maximum Off-Site Dose (mrem)		
Whole Body	2.90E-03	3
Max Organ (All except bone)	5.92E-03	10
GASEOUS RELEASES	DOSE	40 CFR 190 LIMITS
Maximum Dose to Individuals due to their Activities Inside the Site Boundary (mrem)		
Whole Body	0.015	25
Thyroid	0.023	75
Max Other Organ (Skin)	0.017	25

Table 2

**Offsite Radiation Dose Assessment - Monticello
Supplemental Information**

PERIOD: January 1, through December 31, 2007

GASEOUS RELEASES			
Maximum Site Boundary Dose Location (from Reactor Building Vents)			
Sector		SSE	
Distance (miles)		0.40	
Substation			
Sector		S	
Distance from Plant Stack (miles)		0.2	
Distance from Reactor Building Vents		0.2	
Critical Receptor Location			
Sector		SSW	
Distance from Reactor Building Vents (miles)		0.64	
Pathways		Plume, Ground, Inhalation, Vegetable	
Age Group		CHILD	
Organ		THYROID	
LIQUID RELEASES			
St. Paul Drinking Water Intake Location		Drinking Water	Drinking Water, Fish
Pathways		Infant	Adult
Age Group		Whole Body	GI Tract
Organ			
Dilution Factor (drinking water)		7:1	7:1

Bases for Radiation Dose Statements

Thermoluminescent dosimeters (TLD) are stationed around MNGP to measure the ambient gamma radiation field. Monitoring stations are placed near the site boundary and approximately five (5) miles from the reactor, in locations representing sixteen (16) compass sectors. Other locations are chosen to measure the radiation field at places of special interest such as nearby residences, meeting places and population centers. Control sites are located further than ten (10) miles from the site, in areas that should not be affected by plant operations. The results from the TLD's are reported in the Annual Radiological Environmental Monitoring Report (REMP). The results from this effort indicated no excess dose to offsite areas.

Additionally, NUREG-0543, METHODS FOR DEMONSTRATING LWR COMPLIANCE WITH THE EPA URANIUM FUEL CYCLE STANDARD (40 CFR PART 190) states in section IV, "As long as a nuclear plant site operates at a level below the Appendix I reporting requirements, no extra analysis is required to demonstrate compliance with 40 CFR Part 190". The organ and whole body doses reported in Table 1 are determined using 10 CFR 50 Appendix I methodology. The doses reported are well below the limits of Appendix I.

Monticello Nuclear Generating Plant Radioactive Effluent Summary

Period Covered : 1/ 1/2007 through 12/31/2007

Contents :

- Section 1 - R.B.V. Noble Gases - Continuous Release
- Section 2 - R.B.V. Noble Gases - Batch Release
- Section 3 - R.B.V. Iodines, Tritium & Alpha - Continuous Release
- Section 4 - R.B.V. Iodines, Tritium & Alpha - Batch Release
- Section 5 - R.B.V. Particulates - Continuous Release
- Section 6 - R.B.V. Particulates - Batch Release
- Section 7 - Stack Noble Gases - Continuous Release
- Section 8 - Stack Noble Gases - Batch Release
- Section 9 - Stack Iodines, Tritium & Alpha - Continuous Release
- Section 10 - Stack Iodines, Tritium & Alpha - Batch Release
- Section 11 - Stack Particulates - Continuous Release
- Section 12 - Stack Particulates - Batch Release
- Section 13 - Batch Release Data
- Section 14 - Solid Radwaste Shipment Data

EFFLUENT and WASTE DISPOSAL ANNUAL REPORT

R. B. Vents Noble Gases - Continuous Release (uci)

[illegible]

R. B. Vents Noble Gases - Continuous Release (uci)

[illegible]

R. B. Vents Noble Gases - Continuous Release (uci)

[illegible]

Section 1

R. B. Vents Noble Gases - Continuous Release (uci)

[illegible]

Section 2

R. B. Vents Noble Gases - Batch Release (uci)

[illegible]

Section 2

R. B. Vents Noble Gases - Batch Release (uci)

[illegible]

R. B. Vents Noble Gases - Batch Release (uci)

[illegible]

Section 2

R. B. Vents Noble Gases - Batch Release (uci)

[illegible]

Section 3

R. B. Vent Iodines, Tritium & Alpha - Continuous Release (uci)

Start Date	Avg. Gas	I-131	I-133	I-135	H-3	ALPHA
1-JAN-2007	9.85E-01	3.19E+01	3.17E+02	9.36E+01	3.28E+05	5.87E-02
8-JAN-2007	9.85E-01	1.42E+01	1.45E+01	0.00E+00	5.66E+05	0.00E+00
15-JAN-2007	9.86E-01	4.08E+00	0.00E+00	0.00E+00	5.61E+05	0.00E+00
22-JAN-2007	9.85E-01	5.34E+00	5.22E+01	0.00E+00	5.71E+05	6.54E-02
29-JAN-2007	9.84E-01	6.25E+00	5.82E+01	0.00E+00	5.68E+05	0.00E+00
5-FEB-2007	9.84E-01	5.62E+00	8.69E+01	0.00E+00	5.99E+05	0.00E+00
12-FEB-2007	9.85E-01	8.53E+00	6.74E+01	0.00E+00	6.00E+05	6.25E-02
19-FEB-2007	9.84E-01	8.91E+00	6.99E+01	0.00E+00	6.01E+05	6.21E-02
26-FEB-2007	9.82E-01	7.25E+00	7.52E+01	0.00E+00	6.06E+05	0.00E+00
5-MAR-2007	9.84E-01	9.07E+00	8.04E+01	0.00E+00	6.72E+05	8.27E-02
12-MAR-2007	9.83E-01	5.12E+01	1.70E+01	0.00E+00	6.84E+05	0.00E+00
19-MAR-2007	9.83E-01	7.50E+01	0.00E+00	0.00E+00	6.63E+05	9.73E-02
26-MAR-2007	9.81E-01	1.88E+01	0.00E+00	0.00E+00	6.89E+05	2.54E-01
2-APR-2007	9.81E-01	4.99E+00	0.00E+00	0.00E+00	6.83E+05	5.79E-02
9-APR-2007	9.82E-01	2.85E+00	0.00E+00	0.00E+00	4.06E+05	6.21E-02
16-APR-2007	9.81E-01	0.00E+00	0.00E+00	0.00E+00	4.17E+05	1.21E-01
23-APR-2007	9.79E-01	0.00E+00	0.00E+00	0.00E+00	4.17E+05	0.00E+00
30-APR-2007	9.79E-01	5.44E+00	6.91E+01	0.00E+00	4.16E+05	5.27E-02
7-MAY-2007	9.75E-01	1.07E+01	7.46E+01	0.00E+00	1.71E+05	9.48E-02
14-MAY-2007	9.76E-01	8.21E+00	1.02E+02	0.00E+00	1.71E+05	0.00E+00
21-MAY-2007	9.77E-01	1.01E+01	1.53E+02	0.00E+00	1.71E+05	0.00E+00
28-MAY-2007	9.77E-01	1.39E+01	1.36E+02	0.00E+00	1.72E+05	0.00E+00
4-JUN-2007	9.76E-01	1.60E+01	2.29E+02	0.00E+00	4.61E+05	4.58E-02
11-JUN-2007	9.64E-01	2.17E+01	2.59E+02	4.62E+02	4.64E+05	1.01E-01
18-JUN-2007	9.74E-01	2.99E+01	3.84E+02	9.54E+02	4.77E+05	5.20E-02
25-JUN-2007	9.76E-01	3.14E+01	3.31E+02	1.15E+03	4.51E+05	6.12E-02
2-JUL-2007	9.77E-01	2.51E+01	2.68E+02	0.00E+00	4.87E+05	0.00E+00
9-JUL-2007	9.77E-01	2.89E+01	3.39E+02	7.18E+02	4.90E+05	8.74E-02
16-JUL-2007	9.78E-01	3.92E+01	4.07E+02	0.00E+00	4.85E+05	6.40E-02
23-JUL-2007	9.75E-01	4.25E+01	5.02E+02	1.46E+03	4.87E+05	7.06E-02
30-JUL-2007	9.76E-01	5.29E+01	5.86E+02	0.00E+00	4.87E+05	1.22E-01
6-AUG-2007	9.76E-01	5.72E+01	6.73E+02	0.00E+00	5.60E+05	6.94E-02
13-AUG-2007	9.78E-01	5.68E+01	7.55E+02	1.71E+03	5.58E+05	0.00E+00
20-AUG-2007	9.77E-01	5.69E+01	7.72E+02	1.37E+03	5.57E+05	5.93E-02
27-AUG-2007	9.77E-01	6.43E+01	7.99E+02	1.16E+03	5.58E+05	0.00E+00
3-SEP-2007	9.73E-01	6.60E+01	9.71E+02	1.62E+03	1.81E+05	6.06E-02
10-SEP-2007	9.46E-01	1.12E+02	1.90E+03	2.83E+03	1.87E+05	3.99E-02
17-SEP-2007	9.18E-01	1.28E+02	1.62E+03	2.05E+03	1.74E+05	8.05E-02
24-SEP-2007	9.21E-01	1.08E+02	5.93E+02	0.00E+00	1.81E+05	4.56E-02
1-OCT-2007	9.20E-01	1.34E+01	4.31E+01	0.00E+00	1.71E+05	7.59E-02
8-OCT-2007	9.15E-01	1.02E+01	1.18E+02	0.00E+00	4.75E+05	0.00E+00
15-OCT-2007	9.58E-01	1.31E+01	1.35E+02	0.00E+00	4.57E+05	0.00E+00
22-OCT-2007	9.63E-01	2.37E+01	3.56E+02	0.00E+00	4.65E+05	3.64E-02
29-OCT-2007	9.65E-01	3.42E+02	9.24E+02	0.00E+00	4.40E+05	0.00E+00
5-NOV-2007	9.66E-01	1.18E+03	1.06E+03	0.00E+00	3.53E+05	4.91E-02
12-NOV-2007	9.66E-01	2.39E+02	5.56E+01	0.00E+00	3.47E+05	0.00E+00
19-NOV-2007	9.68E-01	1.48E+02	5.91E+01	0.00E+00	3.49E+05	0.00E+00
26-NOV-2006	9.69E-01	1.06E+02	7.88E+01	0.00E+00	3.52E+05	0.00E+00
3-DEC-2007	9.73E-01	7.96E+01	8.09E+01	0.00E+00	4.15E+05	6.29E-02
10-DEC-2007	9.71E-01	1.00E+02	1.49E+02	0.00E+00	4.18E+05	9.40E-02
17-DEC-2007	9.74E-01	3.40E+01	6.11E+01	0.00E+00	4.14E+05	7.77E-02
24-DEC-2007	9.73E-01	2.53E+01	7.93E+01	0.00E+00	4.17E+05	6.46E-02
31-DEC-2007	9.74E-01	2.03E+01	9.33E+01	0.00E+00	4.17E+05	8.46E-02

Section 4

R. B. Vent Iodines, Tritium & Alpha - Batch Release (uci)

Start Date	Avg. Gas	I-131	I-133	I-135	H-3	ALPHA
1-JAN-2007	9.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	9.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	9.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-JAN-2007	9.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-JAN-2007	9.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	9.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	9.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	9.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	9.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	9.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	9.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-MAR-2007	9.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	9.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	9.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	9.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	9.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	9.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-APR-2007	9.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7-MAY-2007	9.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-MAY-2007	9.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21-MAY-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28-MAY-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-JUN-2007	9.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11-JUN-2007	9.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18-JUN-2007	9.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25-JUN-2007	9.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-JUL-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-JUL-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-JUL-2007	9.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-JUL-2007	9.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-JUL-2007	9.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6-AUG-2007	9.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13-AUG-2007	9.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20-AUG-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27-AUG-2007	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-SEP-2007	9.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-SEP-2007	9.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-SEP-2007	9.18E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-SEP-2007	9.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1-OCT-2007	9.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-OCT-2007	9.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-OCT-2007	9.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-OCT-2007	9.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-OCT-2007	9.65E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-NOV-2007	9.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-NOV-2007	9.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-NOV-2007	9.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-NOV-2006	9.69E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-DEC-2007	9.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-DEC-2007	9.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-DEC-2007	9.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-DEC-2007	9.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31-DEC-2007	9.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

R. B. Vents Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
1-JAN-2007	0.00E+00 1.44E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.82E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	0.00E+00 3.88E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.01E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	0.00E+00 6.23E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.36E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-JAN-2007	0.00E+00 7.20E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.36E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-JAN-2007	0.00E+00 8.27E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	5.43E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	0.00E+00 1.06E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.75E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	0.00E+00 1.23E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.37E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	0.00E+00 1.56E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.98E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	0.00E+00 4.86E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.85E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	0.00E+00 1.43E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.14E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	0.00E+00 1.49E+00	1.31E+00 0.00E+00	0.00E+00 0.00E+00	1.25E+00 0.00E+00	0.00E+00 0.00E+00	5.60E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-MAR-2007	0.00E+00 0.00E+00	1.11E+00 0.00E+00	0.00E+00 0.00E+00	1.45E+00 0.00E+00	0.00E+00 0.00E+00	4.92E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	0.00E+00 8.65E+00	4.04E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	7.91E+01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.93E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.96E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	6.41E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	0.00E+00 1.07E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.13E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Section 5

R. B. Vents Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
30-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.84E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7-MAY-2007	0.00E+00 0.00E+00	0.00E+00 6.12E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.71E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-MAY-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.83E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21-MAY-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.32E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28-MAY-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.08E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-JUN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	5.41E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11-JUN-2007	0.00E+00 1.58E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	7.11E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18-JUN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.35E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25-JUN-2007	0.00E+00 1.22E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	5.98E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-JUL-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	6.37E-01 0.00E+00	0.00E+00 1.17E+00	4.46E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-JUL-2007	0.00E+00 2.02E+00	0.00E+00 6.14E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	5.44E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-JUL-2007	0.00E+00 1.63E+00	0.00E+00 5.50E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	5.60E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-JUL-2007	0.00E+00 2.33E+00	0.00E+00 8.50E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	2.13E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-JUL-2007	0.00E+00 2.01E+00	0.00E+00 4.98E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	2.38E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6-AUG-2007	0.00E+00 2.08E+00	0.00E+00 6.94E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	7.47E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13-AUG-2007	0.00E+00 1.58E+00	0.00E+00 1.02E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	5.76E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20-AUG-2007	0.00E+00 0.00E+00	0.00E+00 9.99E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	3.77E+00 0.00E+00	5.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

R. B. Vents Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
27-AUG-2007	0.00E+00 0.00E+00	0.00E+00 9.02E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	6.01E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-SEP-2007	0.00E+00 1.22E+00	0.00E+00 1.21E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	4.92E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.39E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	5.33E+00 0.00E+00	6.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-SEP-2007	0.00E+00 1.13E+00	0.00E+00 1.79E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	5.39E+00 0.00E+00	5.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.23E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.17E+00	6.13E+00 0.00E+00	9.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1-OCT-2007	0.00E+00 1.57E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	4.51E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-OCT-2007	0.00E+00 1.56E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	4.89E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-OCT-2007	0.00E+00 2.22E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	4.23E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-OCT-2007	0.00E+00 2.97E+00	0.00E+00 5.79E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	5.25E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-OCT-2007	0.00E+00 2.43E+00	0.00E+00 8.10E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	3.95E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-NOV-2007	0.00E+00 2.82E+00	0.00E+00 8.56E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	4.71E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-NOV-2007	0.00E+00 2.45E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	2.28E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-NOV-2007	0.00E+00 3.61E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	2.75E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-NOV-2006	0.00E+00 2.86E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	3.83E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-DEC-2007	0.00E+00 2.86E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	1.59E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-DEC-2007	0.00E+00 3.03E+00	0.00E+00 4.72E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	4.47E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-DEC-2007	0.00E+00 3.69E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 1.10E+00	1.51E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

R. B. Vents Particulates - Continuous Release (uci)

[illegible]

Section 6

R. B. Vents Particulates - Batch Release (uci)

[illegible]

R. B. Vents Particulates - Batch Release (uci)

[illegible]

R. B. Vents Particulates - Batch Release (uci)

[illegible]

R. B. Vents Particulates - Batch Release (uci)

[illegible]

Stack Noble Gases - Continuous Release (uci)

[illegible]

Section 7

Stack Noble Gases - Continuous Release (uci)

Start Date	KR-85 XE-138	KR-85M XE-139	KR-87 AR-41	KR-88	KR-89	KR-90	XE-131M	XE-133	XE-133M	XE-135	XE-135M	XE-137
30-APR-2007	0.00E+00 1.14E+06	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E+05	0.00E+00	2.40E+05	4.39E+05	0.00E+00
7-MAY-2007	0.00E+00 7.51E+05	1.76E+04 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E+05	0.00E+00	3.43E+05	2.94E+05	0.00E+00
14-MAY-2007	0.00E+00 3.27E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E+06	0.00E+00	1.01E+05	1.67E+05	0.00E+00
21-MAY-2007	0.00E+00 9.43E+05	0.00E+00 0.00E+00	6.53E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E+05	0.00E+00	1.59E+05	4.24E+05	0.00E+00
28-MAY-2007	0.00E+00 3.20E+05	2.88E+04 0.00E+00	4.13E+04 0.00E+00	7.85E+04	0.00E+00	0.00E+00	0.00E+00	4.07E+05	0.00E+00	3.22E+05	1.12E+05	1.17E+06
4-JUN-2007	0.00E+00 4.46E+05	9.74E+04 0.00E+00	1.28E+05 0.00E+00	2.58E+05	0.00E+00	0.00E+00	0.00E+00	1.51E+05	0.00E+00	9.42E+05	1.86E+05	0.00E+00
11-JUN-2007	0.00E+00 1.04E+05	2.07E+03 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+06	2.63E+04	4.38E+04	5.45E+04	5.98E+05
18-JUN-2007	0.00E+00 4.10E+05	0.00E+00 0.00E+00	3.44E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E+05	0.00E+00	6.50E+04	1.29E+05	1.11E+06
25-JUN-2007	0.00E+00 3.70E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+05	0.00E+00	5.00E+04	1.64E+05	1.57E+06
2-JUL-2007	0.00E+00 5.35E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E+06	0.00E+00	7.36E+04	1.84E+05	0.00E+00
9-JUL-2007	0.00E+00 4.94E+05	0.00E+00 0.00E+00	3.06E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+06	0.00E+00	7.33E+04	1.97E+05	0.00E+00
16-JUL-2007	0.00E+00 5.63E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E+06	0.00E+00	1.04E+05	2.19E+05	0.00E+00
23-JUL-2007	0.00E+00 1.20E+06	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+05	0.00E+00	2.92E+05	5.52E+05	0.00E+00
30-JUL-2007	0.00E+00 3.88E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E+04	0.00E+00	4.88E+04	1.29E+05	1.57E+06
6-AUG-2007	0.00E+00 5.39E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E+04	0.00E+00	9.83E+04	2.37E+05	1.57E+06
13-AUG-2007	0.00E+00 5.39E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E+04	0.00E+00	9.83E+04	2.37E+05	1.35E+06
20-AUG-2007	0.00E+00 9.41E+05	3.25E+04 0.00E+00	8.05E+04 0.00E+00	1.18E+05	0.00E+00	0.00E+00	0.00E+00	9.46E+04	0.00E+00	5.43E+05	4.05E+05	0.00E+00

Section 7

Stack Noble Gases - Continuous Release (uci)

Start Date	KR-85 XE-138	KR-85M XE-139	KR-87 AR-41	KR-88	KR-89	KR-90	XE-131M	XE-133	XE-133M	XE-135	XE-135M	XE-137
27-AUG-2007	0.00E+00 2.10E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E+06	3.88E+04	9.88E+04	1.06E+05	5.81E+05
3-SEP-2007	0.00E+00 4.05E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E+04	0.00E+00	5.37E+04	1.53E+05	1.66E+06
10-SEP-2007	0.00E+00 4.05E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E+04	0.00E+00	9.63E+04	1.94E+05	1.66E+06
17-SEP-2007	0.00E+00 3.91E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E+04	0.00E+00	9.63E+04	1.94E+05	1.55E+06
24-SEP-2007	0.00E+00 2.98E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.14E+04	0.00E+00	0.00E+00	0.00E+00	7.66E+05	0.00E+00	9.05E+04	1.44E+05	8.68E+05
1-OCT-2007	0.00E+00 1.04E+06	0.00E+00 0.00E+00	8.57E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E+05	0.00E+00	3.26E+05	4.72E+05	0.00E+00
8-OCT-2007	0.00E+00 9.71E+05	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E+05	0.00E+00	2.03E+05	3.29E+05	0.00E+00
15-OCT-2007	0.00E+00 1.41E+06	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+05	0.00E+00	1.81E+05	5.97E+05	0.00E+00
22-OCT-2007	0.00E+00 6.46E+05	2.70E+04 0.00E+00	6.52E+04 0.00E+00	5.90E+04	0.00E+00	0.00E+00	0.00E+00	9.91E+05	0.00E+00	3.47E+05	2.36E+05	0.00E+00
29-OCT-2007	0.00E+00 3.74E+04	4.22E+03 0.00E+00	9.76E+03 0.00E+00	7.54E+03	0.00E+00	0.00E+00	2.98E+04	8.38E+06	1.42E+05	8.47E+04	4.01E+04	6.46E+04
5-NOV-2007	0.00E+00 1.93E+06	1.26E+05 0.00E+00	3.54E+05 0.00E+00	3.87E+05	0.00E+00	0.00E+00	0.00E+00	2.40E+07	3.56E+05	9.11E+05	2.62E+06	2.84E+06
12-NOV-2007	0.00E+00 3.16E+05	9.16E+03 0.00E+00	2.79E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E+05	2.54E+07	4.17E+05	1.59E+05	1.43E+05	0.00E+00
19-NOV-2007	0.00E+00 1.31E+05	2.90E+03 0.00E+00	1.14E+04 0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+05	7.91E+06	6.42E+04	1.36E+05	5.49E+04	0.00E+00
26-NOV-2006	0.00E+00 5.03E+05	1.21E+04 0.00E+00	2.86E+04 0.00E+00	2.55E+04	0.00E+00	0.00E+00	0.00E+00	3.76E+06	1.12E+05	2.84E+05	2.27E+05	0.00E+00
3-DEC-2007	0.00E+00 6.26E+05	0.00E+00 0.00E+00	5.65E+04 0.00E+00	2.99E+04	0.00E+00	0.00E+00	0.00E+00	2.11E+06	0.00E+00	1.44E+05	2.61E+05	1.52E+06
10-DEC-2007	0.00E+00 5.22E+05	6.89E+03 0.00E+00	3.61E+04 0.00E+00	2.25E+04	0.00E+00	0.00E+00	0.00E+00	2.73E+06	6.90E+04	1.74E+05	1.46E+05	1.36E+06
17-DEC-2007	0.00E+00 4.02E+05	0.00E+00 0.00E+00	3.14E+04 0.00E+00	1.29E+04	0.00E+00	0.00E+00	0.00E+00	3.76E+06	1.00E+05	2.54E+05	1.40E+05	8.03E+05

Section 7

Stack Noble Gases - Continuous Release (uci)

Start Date	KR-85 XE-138	KR-85M XE-139	KR-87 AR-41	KR-88	KR-89	KR-90	XE-131M	XE-133	XE-133M	XE-135	XE-135M	XE-137
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
24-DEC-2007	0.00E+00 1.16E+06	0.00E+00 0.00E+00	8.81E+04 0.00E+00	5.90E+04	0.00E+00	0.00E+00	0.00E+00	7.71E+05	0.00E+00	1.48E+05	4.05E+05	2.94E+06
31-DEC-2007	0.00E+00 4.95E+05	6.43E+03 0.00E+00	4.03E+04 0.00E+00	3.30E+04	0.00E+00	0.00E+00	0.00E+00	4.12E+06	9.27E+04	1.86E+05	1.89E+05	9.29E+05

Section 8

Stack Noble Gases - Batch Release (uci)

Start Date	KR-85 XE-138	KR-85M XE-139	KR-87 AR-41	KR-88	KR-89	KR-90	XE-131M	XE-133	XE-133M	XE-135	XE-135M	XE-137
1-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 7.90E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 8.77E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E+03	0.00E+00	0.00E+00
19-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 9.17E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E+03	0.00E+00	0.00E+00

Section 8

Stack Noble Gases - Batch Release (uci)

[illegible]

Stack Noble Gases - Batch Release (uci)

[illegible]

Stack Noble Gases - Batch Release (uci)

[illegible]

Section 9

Stack Iodines, Tritium & Alpha - Continuous Release (uci)

Start Date	Avg. Gas	I-131	I-133	I-135	H-3	ALPHA
1-JAN-2007	4.53E+00	1.30E+01	1.11E+02	1.83E+02	5.95E+05	0.00E+00
8-JAN-2007	8.34E+00	2.60E+01	1.96E+01	0.00E+00	1.47E+05	2.46E-03
15-JAN-2007	1.50E-04	1.72E+00	0.00E+00	0.00E+00	1.47E+05	0.00E+00
22-JAN-2007	6.00E+00	1.51E+01	1.36E+02	2.33E+02	1.48E+05	1.31E-03
29-JAN-2007	6.37E+00	1.36E+01	1.54E+02	2.54E+02	1.48E+05	0.00E+00
5-FEB-2007	6.92E+00	1.51E+01	1.47E+02	2.45E+02	5.16E+05	2.04E-03
12-FEB-2007	6.23E+00	1.68E+01	1.83E+02	3.23E+02	5.17E+05	1.29E-03
19-FEB-2007	6.16E+00	1.83E+01	1.87E+02	3.42E+02	5.18E+05	0.00E+00
26-FEB-2007	6.12E+00	1.83E+01	1.87E+02	3.49E+02	5.22E+05	0.00E+00
5-MAR-2007	6.51E+00	2.19E+01	2.21E+02	3.85E+02	7.08E+05	0.00E+00
12-MAR-2007	3.06E+00	2.09E+01	8.10E+00	0.00E+00	7.19E+05	0.00E+00
19-MAR-2007	1.50E-04	2.42E+00	0.00E+00	0.00E+00	6.98E+05	2.80E-03
26-MAR-2007	1.51E-04	5.81E-01	0.00E+00	0.00E+00	7.26E+05	1.81E-03
2-APR-2007	1.50E-04	1.94E-01	0.00E+00	0.00E+00	7.19E+05	0.00E+00
9-APR-2007	1.50E-04	1.28E-01	0.00E+00	0.00E+00	7.33E+04	3.66E-03
16-APR-2007	1.50E-04	8.94E-02	0.00E+00	0.00E+00	7.54E+04	1.95E-03
23-APR-2007	3.30E+00	1.72E+00	1.19E+01	0.00E+00	7.51E+04	2.06E-03
30-APR-2007	3.62E+00	4.97E+00	7.69E+01	1.23E+02	7.52E+04	1.97E-03
7-MAY-2007	3.71E+00	7.39E+00	8.24E+01	1.39E+02	2.36E+05	2.00E-03
14-MAY-2007	4.09E+00	9.46E+00	8.99E+01	1.21E+02	2.35E+05	0.00E+00
21-MAY-2007	4.26E+00	1.04E+01	9.47E+01	1.55E+02	2.36E+05	0.00E+00
28-MAY-2007	4.10E+00	1.12E+01	1.01E+02	1.62E+02	2.36E+05	0.00E+00
4-JUN-2007	3.65E+00	1.15E+01	1.23E+02	2.34E+02	3.88E+05	1.97E-03
11-JUN-2007	3.35E+00	1.40E+01	1.35E+02	2.39E+02	3.90E+05	2.65E-03
18-JUN-2007	3.69E+00	1.46E+01	1.51E+02	2.81E+02	4.00E+05	1.42E-03
25-JUN-2007	3.75E+00	1.44E+01	1.49E+02	2.70E+02	3.79E+05	6.77E-04
2-JUL-2007	3.50E+00	1.46E+01	1.44E+02	2.01E+02	3.62E+05	0.00E+00
9-JUL-2007	3.70E+00	1.40E+01	1.38E+02	2.43E+02	3.65E+05	2.36E-03
16-JUL-2007	3.81E+00	1.64E+01	1.63E+02	2.92E+02	3.61E+05	2.37E-03
23-JUL-2007	3.75E+00	1.73E+01	1.72E+02	2.92E+02	3.62E+05	1.86E-03
30-JUL-2007	3.63E+00	1.65E+01	1.45E+02	2.38E+02	3.63E+05	0.00E+00
6-AUG-2007	3.76E+00	1.43E+01	1.40E+02	2.48E+02	3.00E+05	2.09E-03
13-AUG-2007	3.80E+00	1.41E+01	1.28E+02	2.25E+02	2.99E+05	0.00E+00
20-AUG-2007	3.66E+00	1.37E+01	1.37E+02	2.52E+02	2.99E+05	2.63E-03
27-AUG-2007	3.71E+00	1.45E+01	1.34E+02	2.08E+02	3.00E+05	0.00E+00
3-SEP-2007	3.82E+00	1.42E+01	1.25E+02	2.14E+02	3.21E+05	2.01E-03
10-SEP-2007	3.82E+00	1.37E+01	1.38E+02	2.32E+02	3.32E+05	1.35E-03
17-SEP-2007	3.73E+00	1.40E+01	1.36E+02	2.33E+02	3.09E+05	1.32E-03
24-SEP-2007	3.62E+00	1.29E+01	1.26E+02	2.14E+02	3.21E+05	0.00E+00
1-OCT-2007	3.62E+00	1.30E+01	1.25E+02	2.28E+02	3.04E+05	1.33E-03
8-OCT-2007	3.79E+00	1.21E+01	1.11E+02	2.21E+02	1.80E+05	0.00E+00
15-OCT-2007	3.89E+00	1.20E+01	1.19E+02	2.10E+02	1.73E+05	0.00E+00
22-OCT-2007	3.92E+00	1.16E+01	1.16E+02	1.95E+02	1.77E+05	1.75E-03
29-OCT-2007	1.46E+01	9.53E+01	2.30E+02	2.57E+02	1.67E+05	0.00E+00
5-NOV-2007	5.55E+01	2.41E+02	1.67E+02	1.55E+02	1.57E+05	0.00E+00
12-NOV-2007	4.40E+01	2.58E+02	9.92E+01	1.78E+02	1.54E+05	0.00E+00
19-NOV-2007	1.39E+01	1.75E+02	1.11E+02	1.97E+02	1.55E+05	1.90E-03
26-NOV-2006	8.18E+00	1.35E+02	1.47E+02	2.45E+02	1.56E+05	1.90E-03
3-DEC-2007	7.85E+00	8.75E+01	1.36E+02	2.43E+02	1.50E+05	1.30E-03
10-DEC-2007	8.37E+00	5.84E+01	1.52E+02	2.70E+02	1.51E+05	0.00E+00
17-DEC-2007	9.10E+00	3.50E+01	1.55E+02	2.96E+02	1.49E+05	2.53E-03
24-DEC-2007	9.21E+00	2.95E+01	1.67E+02	2.98E+02	1.50E+05	2.30E-03
31-DEC-2007	1.01E+01	2.56E+01	1.81E+02	3.30E+02	1.51E+05	2.57E-03

Section 10

Stack Iodines, Tritium & Alpha - Batch Release (uci)

Start Date	Avg. Gas	I-131	I-133	I-135	H-3	ALPHA
1-JAN-2007	4.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	8.34E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-JAN-2007	6.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-JAN-2007	6.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	6.92E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	6.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	6.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	6.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	6.51E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	3.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-MAR-2007	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	3.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-APR-2007	3.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7-MAY-2007	3.71E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-MAY-2007	4.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21-MAY-2007	4.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28-MAY-2007	4.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-JUN-2007	3.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11-JUN-2007	3.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18-JUN-2007	3.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25-JUN-2007	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-JUL-2007	3.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-JUL-2007	3.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-JUL-2007	3.81E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-JUL-2007	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-JUL-2007	3.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6-AUG-2007	3.76E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13-AUG-2007	3.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20-AUG-2007	3.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27-AUG-2007	3.71E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-SEP-2007	3.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-SEP-2007	3.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-SEP-2007	3.73E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-SEP-2007	3.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1-OCT-2007	3.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-OCT-2007	3.79E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-OCT-2007	3.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-OCT-2007	3.92E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-OCT-2007	1.46E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-NOV-2007	5.55E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-NOV-2007	4.40E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-NOV-2007	1.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-NOV-2006	8.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-DEC-2007	7.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-DEC-2007	8.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-DEC-2007	9.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-DEC-2007	9.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31-DEC-2007	1.01E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Section 11

Stack Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1-JAN-2007	0.00E+00 0.00E+00	0.00E+00 7.53E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.50E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	0.00E+00 0.00E+00	0.00E+00 2.35E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.11E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	7.78E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-JAN-2007	0.00E+00 0.00E+00	0.00E+00 6.41E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.52E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-JAN-2007	0.00E+00 0.00E+00	0.00E+00 7.44E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	0.00E+00 6.35E-02	0.00E+00 8.38E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.07E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	0.00E+00 0.00E+00	0.00E+00 7.97E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.39E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	0.00E+00 0.00E+00	0.00E+00 7.37E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	0.00E+00 0.00E+00	0.00E+00 8.79E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	0.00E+00 0.00E+00	0.00E+00 1.25E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	2.36E-01 0.00E+00	0.00E+00 2.75E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	2.66E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.04E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 2.56E-01	1.34E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	1.14E-01 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	0.00E+00 2.97E-02	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	1.57E-01 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	0.00E+00 2.40E-02	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	6.86E-02 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	0.00E+00 0.00E+00	0.00E+00 2.28E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	3.03E-01 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Stack Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
30-APR-2007	0.00E+00 0.00E+00	0.00E+00 9.32E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7-MAY-2007	0.00E+00 0.00E+00	0.00E+00 9.79E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-MAY-2007	0.00E+00 0.00E+00	0.00E+00 9.72E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	9.55E-02 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21-MAY-2007	0.00E+00 0.00E+00	0.00E+00 9.82E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28-MAY-2007	0.00E+00 0.00E+00	0.00E+00 9.66E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	5.90E-02 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-JUN-2007	0.00E+00 0.00E+00	0.00E+00 1.11E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	2.31E-01 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11-JUN-2007	0.00E+00 0.00E+00	0.00E+00 1.19E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18-JUN-2007	0.00E+00 0.00E+00	0.00E+00 1.16E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25-JUN-2007	0.00E+00 0.00E+00	0.00E+00 1.12E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.09E-01	0.00E+00 6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-JUL-2007	0.00E+00 0.00E+00	0.00E+00 1.20E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	1.00E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-JUL-2007	0.00E+00 0.00E+00	0.00E+00 1.31E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-JUL-2007	0.00E+00 0.00E+00	0.00E+00 1.74E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-JUL-2007	0.00E+00 0.00E+00	0.00E+00 1.30E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	6.27E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-JUL-2007	0.00E+00 0.00E+00	0.00E+00 1.40E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	7.22E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6-AUG-2007	0.00E+00 0.00E+00	0.00E+00 1.40E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	5.55E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13-AUG-2007	0.00E+00 0.00E+00	0.00E+00 1.63E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20-AUG-2007	0.00E+00 0.00E+00	0.00E+00 1.43E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Stack Particulates - Continuous Release (uci)

Start Date	CR-51 CS-137	MN-54 BA-140	CO-57 CE-141	CO-58 CE-144	FE-59 SR-89	CO-60 SR-90	ZN-65	NB-95	ZR-95	RU-103	CS-134	CS-136
27-AUG-2007	0.00E+00 0.00E+00	0.00E+00 1.82E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.34E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	1.12E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.32E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.04E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-SEP-2007	0.00E+00 0.00E+00	0.00E+00 1.16E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 3.45E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1-OCT-2007	0.00E+00 0.00E+00	0.00E+00 1.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-OCT-2007	0.00E+00 0.00E+00	0.00E+00 1.02E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-OCT-2007	0.00E+00 0.00E+00	0.00E+00 9.37E-01	0.00E+00 0.00E+00	0.00E+00 6.31E-02	0.00E+00 5.95E-01	5.11E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-OCT-2007	0.00E+00 0.00E+00	0.00E+00 1.08E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	2.02E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-OCT-2007	0.00E+00 0.00E+00	0.00E+00 1.27E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-NOV-2007	0.00E+00 0.00E+00	0.00E+00 1.29E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	1.93E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-NOV-2007	0.00E+00 0.00E+00	0.00E+00 9.24E-01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-NOV-2007	0.00E+00 0.00E+00	0.00E+00 1.12E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	1.33E-01 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-NOV-2006	0.00E+00 0.00E+00	0.00E+00 1.05E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-DEC-2007	0.00E+00 0.00E+00	0.00E+00 1.53E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	9.69E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-DEC-2007	0.00E+00 0.00E+00	0.00E+00 1.68E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	8.80E-02 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-DEC-2007	0.00E+00 0.00E+00	0.00E+00 2.24E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 5.95E-01	0.00E+00 0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Stack Particulates - Continuous Release (uci)

[illegible]

Stack Particulates - Batch Release (uci)

[illegible]

Stack Particulates - Batch Release (uci)

[illegible]

Stack Particulates - Batch Release (uci)

[illegible]

Stack Particulates - Batch Release (uci)

[illegible]

Section 13

Batch Release Data (min)

Start Date	# Batch	Tot Time	Max Time	Min Time	#Abn Rel	Curies
1-JAN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-JAN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-JAN-2007	1.00E+00	1.24E+03	1.24E+03	1.24E+03	0.00E+00	0.00E+00
22-JAN-2007	1.00E+00	4.42E+02	4.42E+02	4.42E+02	0.00E+00	0.00E+00
29-JAN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-FEB-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-FEB-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-FEB-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-FEB-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-MAR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-MAR-2007	1.00E+00	1.46E+03	1.46E+03	1.46E+03	0.00E+00	0.00E+00
19-MAR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-MAR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-APR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-APR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-APR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-APR-2007	2.00E+00	1.03E+03	7.84E+02	2.48E+02	0.00E+00	0.00E+00
30-APR-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7-MAY-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-MAY-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21-MAY-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28-MAY-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-JUN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11-JUN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18-JUN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25-JUN-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-JUL-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9-JUL-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16-JUL-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23-JUL-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30-JUL-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6-AUG-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13-AUG-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20-AUG-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27-AUG-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-SEP-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-SEP-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-SEP-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-SEP-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1-OCT-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8-OCT-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15-OCT-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22-OCT-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29-OCT-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5-NOV-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12-NOV-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19-NOV-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26-NOV-2006	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-DEC-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10-DEC-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17-DEC-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24-DEC-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31-DEC-2007	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Section 14

Radwaste Shipment Data
Date No. Volume
(m3)

Activity
(Ci)

Dest
Code

Tran
Code

Type
Code

Cntr
Code

Sold
Code

H-3
Co-58
Sr-89
Ru-103
I-129
Ce-141
Pu-239

C-14
Fe-59
Sr-90
Ru-106
I-131
Ce-144
Am-241

Cr-51
Ni-59
Nb-94
Cd-109
Cs-134
Eu-154
Pu-241

Mn-54
Co-60
Nb-95
Ag110m
Cs-137
Pu-237
Cm-242

Fe-55
Ni-63
Zr-95
Sb-124
Ba-140
Np-237
Pu-242

Co-57
Zn-65
Tc-99
Sb-125
La-140
Pu-238
Cm-243

Eu-152

7	130	07-04	3.74E+01	1.30E-01	R	T	B	L	N	1.58E+00	0.00E+00	0.00E+00	2.62E+00	5.24E+01	0.00E+00
										1.38E-01	0.00E+00	0.00E+00	2.25E+01	1.37E+00	3.75E+00
										0.00E+00	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	1.39E+01	0.00E+00	0.00E+00
										0.00E+00	5.65E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-03
										2.00E-03	3.10E-02	0.00E+00	4.00E-04	0.00E+00	4.00E-03
										0.00E+00					
7	42	07-19	5.89E+01	1.33E-01	R	T	B	L	N	1.38E+00	0.00E+00	0.00E+00	3.74E+00	5.23E+01	0.00E+00
										7.40E-01	0.00E+00	0.00E+00	2.07E+01	1.15E+00	6.16E+00
										0.00E+00	1.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
										0.00E+00	8.50E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-03
										2.00E-03	2.50E-02	0.00E+00	8.00E-04	0.00E+00	4.00E-03
										0.00E+00					
7	420	07-30	5.89E+01	7.72E-02	R	T	B	L	N	1.39E+00	0.00E+00	0.00E+00	3.74E+00	5.22E+01	0.00E+00
										7.37E-01	0.00E+00	0.00E+00	2.06E+01	1.15E+00	6.15E+00
										0.00E+00	1.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
										0.00E+00	8.48E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-03
										2.00E-03	2.60E-02	0.00E+00	8.00E-04	0.00E+00	4.00E-03
										0.00E+00					
7	420	07-31	5.89E+01	3.05E-02	R	T	B	L	N	1.42E+00	0.00E+00	0.00E+00	3.54E+00	5.25E+01	0.00E+00
										5.70E-01	0.00E+00	0.00E+00	2.10E+01	1.19E+00	5.70E+00
										0.00E+00	1.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	1.22E+01	0.00E+00	0.00E+00
										0.00E+00	7.97E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-03
										2.00E-03	2.70E-02	0.00E+00	7.00E-04	0.00E+00	4.00E-03
										0.00E+00					
7	426	07-33	4.85E+01	1.07E-01	R	T	B	L	N	2.29E+00	7.79E+00	0.00E+00	3.20E+00	3.24E+01	0.00E+00
										5.82E-01	0.00E+00	0.00E+00	2.21E+01	9.34E-01	6.49E+00
										1.90E-02	7.07E-01	0.00E+00	0.00E+00	0.00E+00	2.20E-02
										0.00E+00	0.00E+00	0.00E+00	9.70E-02	4.51E-01	1.50E+00
										0.00E+00	0.00E+00	2.90E-02	2.10E+01	0.00E+00	0.00E+00
										0.00E+00	6.49E-01	0.00E+00	0.00E+00	0.00E+00	1.00E-03
										1.00E-03	1.90E-02	0.00E+00	1.00E-03	0.00E+00	3.00E-03
										0.00E+00					
7	426	07-34	4.58E+01	5.53E-02	R	T	B	L	N	1.39E+00	0.00E+00	0.00E+00	3.71E+00	5.23E+01	0.00E+00
										6.89E-01	0.00E+00	0.00E+00	2.08E+01	1.16E+00	6.06E+00
										0.00E+00	1.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
										0.00E+00	0.00E+00	0.00E+00	1.19E+01	0.00E+00	0.00E+00
										0.00E+00	8.37E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-03
										2.00E-03	2.60E-02	0.00E+00	8.00E-04	0.00E+00	4.00E-03
										0.00E+00					

Section 14

Radwaste Shipment Data
Date No. Volume
(m3)

Activity (Ci)	Dest Code	Tran Code	Type Code	Cntr Code	Sold Code	H-3 Co-58 Sr-89 Ru-103 I-129 Ce-141 Pu-239	C-14 Fe-59 Sr-90 Ru-106 I-131 Ce-144 Am-241	Cr-51 Ni-59 Nb-94 Cd-109 Cs-134 Eu-154 Pu-241	Mn-54 Co-60 Nb-95 Ag110m Cs-137 Eu-155 Cm-242	Fe-55 Ni-63 Zr-95 Sb-124 Ba-140 Np-237 Pu-242	Co-57 Zn-65 Tc-99 Sb-125 La-140 Pu-238 Cm-243	Eu-152
3.93E-01	R	T	B	L	N	1.09E+00 7.23E-01 1.60E-02 0.00E+00 0.00E+00 2.00E-03 2.00E-03 0.00E+00	1.70E-02 5.50E-02 2.00E-03 9.47E-01 0.00E+00 2.65E-01 6.64E-01 2.00E-02	2.18E-01 2.00E-03 0.00E+00 0.00E+00 2.00E-03 0.00E+00 4.00E-03	3.77E+00 2.23E+01 8.00E-03 3.30E-02 1.14E+01 0.00E+00 1.00E-03	5.04E+01 1.11E+00 0.00E+00 0.00E+00 5.60E-02 0.00E+00 3.00E-03	0.00E+00 6.89E+00 1.00E-04 0.00E+00 0.00E+00 2.00E-03 3.00E-03	
1.00E-04	R	T	D	L	N	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 2.69E+01 0.00E+00 0.00E+00 0.00E+00 7.32E+01 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	
1.62E-01	R	T	B	L	N	1.43E+00 5.22E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 0.00E+00	0.00E+00 0.00E+00 1.26E+00 0.00E+00 0.00E+00 7.90E-01 2.70E-02	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	3.51E+00 2.11E+01 0.00E+00 0.00E+00 1.22E+01 0.00E+00 1.00E-03	5.25E+01 1.20E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 5.61E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 4.00E-03	
9.87E-03	R	T	B	L	N	1.38E+00 7.73E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 0.00E+00	0.00E+00 0.00E+00 1.21E+00 0.00E+00 0.00E+00 8.56E-01 2.56E-02	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	3.77E+00 2.07E+01 0.00E+00 0.00E+00 1.18E+01 0.00E+00 1.00E-03	5.23E+01 1.14E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 6.22E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 4.00E-03	
8.20E-03	R	T	B	L	N	1.38E+00 7.59E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 0.00E+00	0.00E+00 0.00E+00 1.21E+00 0.00E+00 0.00E+00 8.52E-01 2.60E-02	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	3.76E+00 2.06E+01 0.00E+00 0.00E+00 1.18E+01 0.00E+00 1.00E-04	5.23E+01 1.15E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 6.20E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-03 4.00E-03	
3.86E-03	R	T	B	L	N	9.82E-01 3.42E-01 5.30E-02 0.00E+00 0.00E+00 0.00E+00 4.00E-03 0.00E+00	0.00E+00 0.00E+00 1.36E-01 0.00E+00 0.00E+00 1.39E-01 1.37E-02	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.33E-01	4.22E+00 4.72E+01 0.00E+00 3.39E-01 2.59E+01 0.00E+00 1.00E-03	1.59E+01 7.15E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 3.68E+00 0.00E+00 0.00E+00 0.00E+00 4.00E-03 6.80E-02	
2.01E+02	E	T	A	B	D	7.00E-03 6.42E-01 4.00E-04 0.00E+00 1.00E-04 1.00E-03 2.00E-04	2.00E-03 1.10E-01 9.00E-03 0.00E+00 0.00E+00 5.00E-03 7.00E-04	1.11E-01 9.00E-03 0.00E+00 0.00E+00 9.00E-03 0.00E+00 3.30E-02	3.47E+00 3.11E+01 1.60E-02 4.20E-01 1.73E-01 0.00E+00 2.00E-04	5.97E+01 7.56E-01 0.00E+00 1.40E-02 0.00E+00 0.00E+00 0.00E+00	2.60E-02 3.44E+00 3.00E-03 0.00E+00 0.00E+00 7.00E-04 7.00E-04	

3.60E-02