

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1373



March 29, 2000

C0300-20
50.36a

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D. C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JANUARY 1, 1999, TO DECEMBER 31, 1999

In accordance with 10 CFR 50.36a(a)(2) and section 6.9.1.7 of Donald C. Cook Nuclear Plants (CNP) "Appendix A Technical Specification," Indiana Michigan Power Company is providing six copies of the annual radioactive effluent release report for CNP, Units 1 and 2. This report covers the period January 1, 1999, through December 31, 1999.

Should you have any questions, please contact Mr. Robert C. Godley, Director of Regulatory Affairs, at (616) 466-2698.

Sincerely,

A handwritten signature in black ink that reads 'A. C. Bakken, III'.

A. C. Bakken, III
Site Vice President

/dms

Attachment

c: J. E. Dyer
MDEQ - DW & RPD w/o attachment
NRC Resident Inspector
R. Whale, w/o attachment

JE48
1/6

ATTACHMENT TO C0300-20

ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JANUARY 1, 1999, TO DECEMBER 31, 1999

TABLE OF CONTENTS

	<u>Page</u>
Table of Contents	i
I. Introduction	1
II. Radioactive Releases and Radiological Impact on Man	1
Liquid Releases	2
Gaseous Releases	2
Solid Waste Disposition	2
III. Meteorological	2
IV. Offsite Dose Calculation Manual (ODCM) Changes	2
V. Total Dose	2
VI. Conclusion	2

LIST OF APPENDICES

Appendix	Title
A1.1	Radioactive Release Data: January 1 - December 31, 1999
A1.2	Summary of Maximum Individual Doses: First Quarter, 1999
A1.3	Summary of Maximum Individual Doses: Second Quarter, 1999
A1.4	Summary of Maximum Individual Doses: Third Quarter, 1999
A1.5	Summary of Maximum Individual Doses: Fourth Quarter, 1999
A2.1	Summary of Hourly Meteorological Data: First Quarter, 1999
A2.2	Summary of Hourly Meteorological Data: Second Quarter, 1999
A2.3	Summary of Hourly Meteorological Data: Third Quarter, 1999
A2.4	Summary of Hourly Meteorological Data: Fourth Quarter, 1999
3.0	Offsite Dose Calculation Manual (ODCM) Changes

I. **INTRODUCTION**

This report discusses the radioactive discharges from Unit 1 and Unit 2 of the Donald C. Cook Nuclear Plant during 1999. This is in accordance with the requirements of Cook Nuclear Plant Technical Specification 6.9.1.7.

The table below summarizes the pertinent statistics concerning the Plant's operation during the period from January 1 to December 31, 1999. The data in this table and the descriptive information on plant operation are based upon the respective Unit's Monthly Operating Reports for 1999.

Parameter	Unit 1	Unit 2
Gross Electrical Energy Generation (MWH)	0	0
Unit Service Factor (%)	0	0
Unit Capacity Factor - MDC Net (%)	0	0

Unit 1 and 2 remained in Mode 5 or defueled as a result of an extended shutdown beginning in September of 1997.

II. **RADIOACTIVE RELEASES AND RADIOLOGICAL IMPACT ON MAN**

Since a number of release points are common to both units, the release data from both units are combined to form this two-unit, Annual Radioactive Effluent Release Report. Appendix 1 of this report presents the information in accordance with section 6.9.1.7 of Appendix A to the Facility Operating Licenses, as specified in the Technical Specification, Regulatory Guide 1.21 and 10 CFR Part 50, Appendix I.

The "MIDAS System" by PLG, Inc., is a computer code that calculates doses due to radionuclides that were released from the Donald C. Cook Nuclear Plant.

All liquid and gaseous releases were well within Offsite Dose Calculation Manual limits and Federal Limits.

There was no abnormal liquid release, but there was one abnormal gaseous release during 1999. This event is documented via Condition Report 99-29808.

Liquid Releases

During 1999 there were 41 liquid batch releases. During the first quarter there were 6 liquid batch releases. During the second quarter there were 11. During the third quarter there were 11. During the fourth quarter there were 13.

Estimated doses (in millirem) to maximally exposed individuals via the liquid release pathways are given in appendices 1.2, 1.3, 1.4, and 1.5 of this report.

Gaseous Releases

During the first quarter of 1999 there was one gaseous batch release from a Waste Gas Decay Tank. During the second and third quarters there were none. During the fourth quarter there was one gaseous batch release of the CVCS Holdup Tank, which was unplanned.

In calculating the dose consequences for continuous and batch gaseous releases during 1999, the meteorological data measured at the time of the release were used.

The estimated doses (in millirem) to maximally exposed individuals via the gaseous release pathways are given in appendices 1.2, 1.3, 1.4, and 1.5 of this report.

Solid Waste Disposition

There were 11 shipments of radioactive waste made during 1999. This included shipments made from the site and the various radioactive waste processors to the ultimate disposal site.

III. **METEOROLOGICAL**

Appendices A2.1, A2.2, A2.3, and A2.4 of this report contain the cumulative joint frequency distribution tables of wind speed and wind direction, corresponding to the various atmospheric stability classes for the first, second, third and fourth quarters of 1999. Hourly meteorological data is available for review and/or inspection upon request.

IV. **OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES**

The Offsite Dose Calculation Manual, 12 PMP 6010 OSD.001, was changed during the report period. The reasons for the changes and the PORC approval are documented on the procedure Review and Approval Tracking Form. These changes did not reduce the accuracy or reliability of dose calculations or setpoint determinations. Appendix 3.0 contains the revised ODCM with changes indicated by marginal bars.

V. **TOTAL DOSE**

Section 4.2.5 of the ODCM requires that the dose or dose commitment to a real individual from uranium fuel cycle sources in Berrien County be limited to no more than twenty-five (25) millirem to the total body or any organ (excluding the thyroid, which is limited to no more than seventy-five (75) millirem) over a period of twelve (12) consecutive months to show conformance with the requirements of 40 CFR Part 190. The maximum cumulative dose to an individual from liquid and gaseous effluents during 1999 was well within the ODCM limits. Measurements using thermoluminescent dosimeters at eleven (11) offsite background stations indicate that the dose due to direct radiation is negligible.

An assessment showed that radiation doses from radioactive liquid and gaseous effluents to members of the public due to their activities inside the site boundary are also negligible.

VI. **CONCLUSION**

Based on the information presented in this report, it is concluded that the Donald C. Cook Nuclear Plant Units 1 and 2 performed their intended design function with no demonstratable adverse affect on the health and safety of the general public.

SUPPLEMENTAL INFORMATION

Facility: Donald C. Cook Plant

Licensee: Indiana Michigan Power Company

1 REGULATORY LIMITS

1.1 Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1.1.1 During any calendar quarter, to ≤ 5 mrad for gamma radiation and ≤ 10 mrad for beta radiation.

1.1.2 During any calendar year, to ≤ 10 mrad for gamma radiation and ≤ 20 mrad for beta radiation.

1.2 Iodines – Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than eight days in gaseous effluents released to unrestricted areas shall be limited to the following:

1.2.1 During any calendar quarter to ≤ 7.5 mrem to any organ.

1.2.2 During any calendar year to ≤ 15 mrem to any organ.

1.3 Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1.3.1 During any calendar quarter to ≤ 1.5 mrem to the total body and to ≤ 5 mrem to any organ.

1.3.2 During any calendar year to ≤ 3 mrem to the total body and to ≤ 10 mrem to any organ.

1999 Effluent and Waste Disposal Annual Report

1.4 Total Dose

The dose or dose commitment to a real individual from all uranium fuel cycle sources is limited to ≤ 25 mrem to the total body or any organ (except the thyroid, which is limited to ≤ 75 mrem) over a period of 12 consecutive months.

2 MAXIMUM PERMISSIBLE CONCENTRATIONS

2.1 Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

- 2.1.1 For noble gases: ≤ 500 mrem/yr to the total body and ≤ 3000 mrem/yr to the skin.
- 2.1.2 For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than eight days: ≤ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table 2.

2.2 Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table 2, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} $\mu\text{Ci/ml}$ total activity.

1999 Effluent and Waste Disposal Annual Report

3 AVERAGE ENERGY

The average energy (Ç) of the radionuclide mixture in releases of fission and activation gases as defined in Regulatory Guide 1.21, Appendix B, Section A.3 is not applicable because the limits used for gaseous releases are based on calculated dose to members of the public.

4 MEASUREMENTS and APPROXIMATIONS of TOTAL RADIOACTIVITY

4.1 Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and HpGe detector.

4.2 Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and HpGe detector.

4.3 Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and HpGe detector.

4.4 Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and HpGe detector.

1999 Effluent and Waste Disposal Annual Report

5 BATCH RELEASES

5.1 Liquid

5.1.1 Number of batch releases:

6 releases in the 1st quarter,
11 releases in the 2nd quarter,
11 releases in the 3rd quarter,
13 releases in the 4th quarter,

5.1.2 Total time period for batch releases:

6322 minutes

5.1.3 Maximum time for a batch release:

197 minutes

5.1.4 Average time period for batch release:

154 minutes

5.1.5 Minimum time period for a batch release:

40 minutes

5.1.6 Average stream flow during periods of release of effluent into a flowing stream:

3.60E+5 gpm circulating water

1999 Effluent and Waste Disposal Annual Report

5.2 Gaseous

5.2.1 Number of batch releases:

1 releases in the 1st quarter,
0 releases in the 2nd quarter,
0 releases in the 3rd quarter,
1 releases in the 4th quarter,

5.2.2 Total time period for batch releases:

389 minutes

5.2.3 Maximum time for a batch release:

334 minutes

5.2.4 Average time period for batch release:

195 minutes

5.2.5 Minimum time period for a batch release:

55 minutes

1999 Effluent and Waste Disposal Annual Report

6 ABNORMAL RELEASES

6.1 Liquid

6.1.1 Number of Releases:

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0	0	0	0

6.1.2 Total activity released (Ci):

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0	0	0	0

6.2 Gaseous

6.2.1 Number of Releases:

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0	0	0	1

6.2.2 Total activity released (Ci):

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0	0	0	5.01E-3

1999 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS-GROUND LEVEL RELEASES

CONTINUOUS MODE

Nuclides released	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1. FISSION GASES					
H3	Ci	2.51E+01	1.92E+01	1.41E+01	1.70E+01
Total for Period	Ci	2.51E+01	1.92E+01	1.41E+01	1.70E+01
2. IODINES					
Total for Period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3. PARTICULATES					
Co60	Ci	0.00E+00	0.00E+00	0.00E+00	3.73E-08
Cs134	Ci	0.00E+00	0.00E+00	0.00E+00	1.69E-08
Cs137	Ci	0.00E+00	0.00E+00	0.00E+00	3.62E-07
Total for Period	Ci	0.00E+00	0.00E+00	0.00E+00	4.16e-07

BATCH MODE

Nuclides released	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1. FISSION GASES					
H3	Ci	1.03E-04	0.00E+00	0.00E+00	1.96E-05
KR85	Ci	2.64E-02	0.00E+00	0.00E+00	5.00E-03
Total for Period	Ci	2.65E-02	0.00E+00	0.00E+00	5.02E-03
2. IODINES					
Total for Period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3. PARTICULATES					
Total for Period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1999 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

		Units	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Est. Total Error, %

A.	FISSION AND ACTIVATION GASES						

1.	Total Release	Ci	2.64E-02	0.00E+00	0.00E+00	5.00E-03	15.0

2.	Average release rate for period	uCi/sec	3.40E-03	0.00E+00	0.00E+00	6.29E-04	

3.	Percent of applicable limit	% Gamma Beta	7.30E-06 4.14E-04	0.00E+00 0.00E+00	0.00E+00 0.00E+00	7.58E-07 4.30E-05	

B.	IODINES						

1.	Total I-131	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A

2.	Average release rate for period	uCi/sec	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

3.	Percent of applicable limit	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

C.	PARTICULATES						

1.	Particulates with half lives > 8 days	Ci	0.00E+00	0.00E+00	0.00E+00	4.16E-07	12.3

2.	Average release rate for period	uCi/sec	0.00E+00	0.00E+00	0.00E+00	5.24E-08	

3.	Percent of applicable limit	%	0.00E+00	0.00E+00	0.00E+00	1.48E-01	

4.	Gross alpha radioactivity	Ci	<7.40E-07	<6.33E-07	<7.27E-07	<7.15E-07	

D.	Tritium						

1.	Total Release	Ci	2.51E+01	1.92E+01	1.41E+01	1.70E+01	11.0

2.	Average release rate for period	uCi/sec	3.23E+00	2.44E+00	1.77E+00	2.14E+00	

3.	Percent of applicable limit	%	7.05E+01	4.61E+01	2.82E+01	3.58E+01	

1999 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS

CONTINUOUS MODE

Nuclides released	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
H3	Ci	4.71E-02	2.74E-01	2.66E-01	1.66E-01

BATCH MODE

Nuclides released	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
H3	Ci	2.96E+01	4.31E+01	8.38E+01	3.37E+01
MN54	Ci	3.00E-04	9.67E-04	6.74E-04	9.93E-04
FE55	Ci	4.14E-03	1.96E-02	1.88E-02	5.25E-02
CO58	Ci	1.64E-04	4.15E-04	3.50E-04	0.00E+00
CO60	Ci	2.18E-03	8.00E-03	2.52E-02	5.10E-02
SR90	Ci	0.00E+00	6.90E-06	5.02E-06	0.00E+00
AG110M	Ci	2.16E-03	1.76E-03	3.93E-03	9.40E-04
CO57	Ci	0.00E+00	5.15E-05	1.55E-04	3.61E-05
SB125	Ci	9.28E-04	1.20E-03	1.53E-03	1.38E-03
CS134	Ci	1.53E-06	0.00E+00	0.00E+00	1.04E-04
CS137	Ci	5.31E-05	1.59E-05	1.65E-04	3.63E-03
*AG108M	Ci	1.93E-05	0.00E+00	8.93E-05	0.00E+00

* DENOTES SUPPLEMENTAL ISOTOPES

1999 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES
CONTINUOUS

		Units	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Est. Total Error, %

A.	FISSION AND ACTIVATION PRODUCTS						
1.	Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
2.	Average diluted concentration during period	uCi/ml	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
3.	Percent of applicable limit	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

B.	TRITIUM						
1.	Total Release	Ci	4.71E-02	2.74E-02	2.66E-01	1.66E-01	11.5
2.	Average diluted concentration during period	uCi/ml	4.56E-10	1.61E-10	4.03E-09	1.43E-09	
3.	Percent of applicable limit	%	4.56E-05	1.61E-05	4.03E-04	1.43E-04	

C.	DISSOLVED AND ENTRAINED GASES						
1.	Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
2.	Average diluted concentration during period	uCi/ml	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
3.	Percent of applicable limit	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

D.	Gross Alpha Radioactivity Total Release	Ci	<3.70E-03	<3.79E-03	<3.42E-03	<6.02E-03	

E.	Volume of Waste Released	Liters	3.24E+07	2.31E+07	2.42E+06	3.37E+06	2.00

F.	Volume of Dilution Water used During Period	Liters	1.03E+11	1.70E+11	6.60E+10	1.16E+11	3.48

1999 EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES
BATCH

		Units	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Est. Total Error, %
A.	FISSION AND ACTIVATION PRODUCTS						
1.	Total Release	Ci	9.96E-03	3.20E-02	5.09E-02	1.11E-01	20.9
2.	Average diluted concentration during period	uCi/ml	1.32E-08	1.43E-08	2.02E-08	3.57E-08	
3.	Percent of applicable limit	%	1.64E-01	1.47E-01	3.77E-01	6.96E-01	
B.	TRITIUM						
1.	Total Release	Ci	2.96E+01	4.31E+01	8.38E+01	3.37E+01	10.1
2.	Average diluted concentration during period	uCi/ml	3.93E-05	1.93E-05	3.32E-05	1.09E-05	
3.	Percent of applicable limit	%	3.93E+00	1.93E+00	3.32E+00	1.09E+00	
C.	DISSOLVED AND ENTRAINED GASES						
1.	Total Release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N/A
2.	Average diluted concentration during period	uCi/ml	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
3.	Percent of applicable limit	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
D.	Gross Alpha Radioactivity Total Release	Ci	<1.48E-05	<4.45E-05	<3.65E-05	<6.98E-05	
E.	Volume of Waste Released	Liters	2.18E+05	5.75E+05	6.27E+05	7.60E+05	2.00
F.	Volume of Dilution Water used During Period	Liters	7.53E+08	2.23E+09	2.52E+09	3.09E+09	3.48

Information	12-THP-6010.RPP.601	Rev. 3a	Page 47 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 7	1999 Effluent and Waste Disposal Annual Report Solid Waste and Irradiated Fuel Shipments		Page: 47

Solid Waste Shipped Offsite for Burial or Disposal

1) Type of Waste	Unit	Estimated Amount	Estimated Total Error, %
a) Spent resins, filter sludges, evaporator bottoms, etc.	m ³ Ci	1.50E+01 4.86E+02	
b) Dry compressible waste, contaminated equipment, etc.	m ³ Ci	4.72E+02 1.06E+02	
c) Irradiated components, control rods, etc.	m ³ Ci		
d) Other	m ³ Ci		

2) Estimate of Principle Radionuclide Composition				
a)	Cs-137	29 %	Ni-63	28 %
	Cs-134	9 %	Mn-54	2 %
	Fe-55	10 %	C-14	1 %
	Co-60	20 %	H-3	1 %
b)	Cs-137	%	Fe-55	4 %
	Cs-134	%	Ni-63	3 %
	Co-60	93 %		%
	Co-58	%		%

3) Solid Waste Disposition		
No. of Shipments	Mode of Transportation	Destination
5	Truck	Barnwell, SC
2	Rail	Barnwell, SC
4	Truck	Clive, UT

4) Type of Containers Used for Shipment: Containers used are strong, tight metal boxes, drums and high integrity containers.

5) Solidification Agent: There were no solidifications performed during this report period.

Information	12-THP-6010.RPP.601	Rev. 3a	Page 48 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 8	1999 Effluent and Waste Disposal Annual Report Yearly Release Rates		Page: 48

GASES		
Fission and Activation Gases	Total Release	3.14E-02 Ci
	Average Release Rate	9.96E-04 μ Ci/sec
	% of Applicable Limits	γ 4.03E-06 % β 2.29E-04 %
Iodines	Total Iodine-131 Release	0.00 Ci
	Average Release Rate	0.00 μ Ci/sec
	% of Applicable Limit	0.00 %
Particulates	Total Release	4.16E-07 Ci
	Average Release Rate	1.32E-08 μ Ci/sec
	% of Applicable Limit	4.79E-01 %
LIQUID		
Fission and Activation Products	Total Release	2.04E-01 Ci
	Average Diluted Concentration	2.37E-08 μ Ci/ml
	% of Applicable Limit	Total Body 1.02E+00 % Organ 4.29E-02 %

The following distances were used in the calculation of the maximum individual doses:

<u>Sector</u>	<u>Direction</u>	<u>Boundary (Meters)</u>	<u>Nearest Residence (Meters)</u>
A	N	651	659
B	NNE	617	660
C	NE	789	943
D	ENE	1497	1747
E	E	1274	1716
F	ESE	972	1643
G	SE	629	1136
H	SSE	594	1507
J	S	594	1026
K	SSW	629	942

Information	12-THP-6010.RPP.601	Rev. 3a	Page 49 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 9	Summary of Maximum Individual Doses		Page: 49

1st Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (mrem)	AGE GROUP	LOCATION DIST DIR (M) (Toward)	% OF APPLICABLE LIMIT	LIMIT (mrem) QTR
Liquid	Total Body	2.30E-03	Child	Receptor 1	1.53E-01	1.5E+0
Liquid	Liver	2.69E-03	Child	Receptor 1	5.38E-02	5.0E+0
Noble Gas	Air Dose (Gamma-mrad)	3.65E-07		651 N	7.30E-06	5.0E+0
Noble Gas	Air dose (Beta-mrad)	4.14E-05		651 N	4.14E-04	1.0E+1
Iodines and Particulates	Total Body	1.74E-02	Child	659 N	2.31E-01	7.5E+0

LAST LIQUID DOSE ACCUMULATIONS (MREM)
 START DATE 99 1 1 1 END DATE 99 33124
 BONE LIVER T.BODY THYRD KIDNEY LUNG GI-LLI SKIN

WATER

ADULT	8.8E-06	1.6E-03	1.6E-03	1.6E-03	1.6E-03	1.6E-03	1.6E-03	1.7E-03	0.0E+00
TEEN	8.5E-06	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03	0.0E+00
CHILD	2.5E-05	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.2E-03	0.0E+00
INFANT	2.2E-05	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00

SHORE

ADULT	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.2E-05
TEEN	1.0E-04	1.0E-04	1.0E-04	1.0E-04	1.0E-04	1.0E-04	1.0E-04	1.0E-04	1.2E-04
CHILD	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.5E-05
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

FW SPT FISH

ADULT	3.7E-04	6.1E-04	4.3E-04	1.0E-04	2.6E-04	1.7E-04	3.6E-04	0.0E+00
TEEN	3.9E-04	6.1E-04	2.8E-04	8.1E-05	2.5E-04	1.6E-04	2.6E-04	0.0E+00
CHILD	4.9E-04	5.4E-04	1.6E-04	6.7E-05	2.1E-04	1.3E-04	1.3E-04	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

TOTAL

ADULT	3.9E-04	2.2E-03	2.0E-03	1.7E-03	1.8E-03	1.7E-03	2.1E-03	2.2E-05
TEEN	5.0E-04	1.8E-03	1.5E-03	1.3E-03	1.4E-03	1.4E-03	1.5E-03	1.2E-04
CHILD	5.4E-04	2.7E-03	2.3E-03	2.2E-03	2.3E-03	2.3E-03	2.3E-03	2.5E-05
INFANT	2.2E-05	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 1 1 1 0 TO 99 33124 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ENE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM E

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ESE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM S

4.2039E-07	4.8640E-08	2.1379E-08	1.2109E-08	8.1613E-09
3.7326E-09	1.2644E-09	5.7575E-10	3.4553E-10	1.9618E-10

**DIRECTION FROM SSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM W

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 1 1 1 0 TO 99 33124 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 1 1 1 0 TO 99 33124 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 1

```

**DIRECTION FROM N
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM NNE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM NE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM ENE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM E
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM ESE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM SE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM SSE
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM S
4.7670E-05 5.5155E-06 2.4242E-06 1.3731E-06 9.2545E-07
4.2325E-07 1.4337E-07 6.5287E-08 3.9181E-08 2.2246E-08
**DIRECTION FROM SSW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM SW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM WSW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM W
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM WNW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM NW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
**DIRECTION FROM NNW
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

```

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 1 1 1 0 TO 99 33124 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	6.2E-07	2.8E-05
TEEN	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	6.2E-07	2.8E-05
CHILD	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	6.2E-07	2.8E-05
INFNT	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	6.2E-07	2.8E-05
GROUND PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	3.9E-04	0.0E+00
TEEN	4.5E-04	4.5E-04	0.0E+00	4.5E-04	4.5E-04	4.5E-04	4.5E-04	0.0E+00
CHILD	6.9E-04	6.9E-04	0.0E+00	6.9E-04	6.9E-04	6.9E-04	6.9E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	5.6E-05	5.6E-05	0.0E+00	5.6E-05	5.6E-05	5.6E-05	5.6E-05	0.0E+00
TEEN	3.3E-05	3.3E-05	0.0E+00	3.3E-05	3.3E-05	3.3E-05	3.3E-05	0.0E+00
CHILD	4.0E-05	4.0E-05	0.0E+00	4.0E-05	4.0E-05	4.0E-05	4.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	3.4E-04	3.4E-04	0.0E+00	3.4E-04	3.4E-04	3.4E-04	3.4E-04	0.0E+00
TEEN	4.4E-04	4.4E-04	0.0E+00	4.4E-04	4.4E-04	4.4E-04	4.4E-04	0.0E+00
CHILD	7.0E-04	7.0E-04	0.0E+00	7.0E-04	7.0E-04	7.0E-04	7.0E-04	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	6.9E-04	6.9E-04	0.0E+00	6.9E-04	6.9E-04	6.9E-04	6.9E-04	0.0E+00
TEEN	9.1E-04	9.1E-04	0.0E+00	9.1E-04	9.1E-04	9.1E-04	9.1E-04	0.0E+00
CHILD	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
INFNT	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	8.5E-03	8.5E-03	0.0E+00	8.5E-03	8.5E-03	8.5E-03	8.5E-03	0.0E+00
TEEN	8.6E-03	8.6E-03	0.0E+00	8.6E-03	8.6E-03	8.6E-03	8.6E-03	0.0E+00
CHILD	7.6E-03	7.6E-03	0.0E+00	7.6E-03	7.6E-03	7.6E-03	7.6E-03	0.0E+00
INFNT	4.4E-03	4.4E-03	0.0E+00	4.4E-03	4.4E-03	4.4E-03	4.4E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.0E-02	1.0E-02	0.0E+00	1.0E-02	1.0E-02	1.0E-02	1.0E-02	0.0E+00
TEEN	1.0E-02	1.0E-02	0.0E+00	1.0E-02	1.0E-02	1.0E-02	1.0E-02	0.0E+00
CHILD	1.0E-02	1.0E-02	0.0E+00	1.0E-02	1.0E-02	1.0E-02	1.0E-02	0.0E+00
INFNT	7.6E-03	7.6E-03	0.0E+00	7.6E-03	7.6E-03	7.6E-03	7.6E-03	0.0E+00
TOTALS								
ADULT	1.0E-02	1.0E-02	2.3E-07	1.0E-02	1.0E-02	1.0E-02	1.0E-02	2.8E-05
TEEN	1.0E-02	1.0E-02	2.3E-07	1.0E-02	1.0E-02	1.0E-02	1.0E-02	2.8E-05
CHILD	1.0E-02	1.0E-02	2.3E-07	1.0E-02	1.0E-02	1.0E-02	1.0E-02	2.8E-05
INFNT	7.6E-03	7.6E-03	2.3E-07	7.6E-03	7.6E-03	7.6E-03	7.6E-03	2.8E-05

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND	PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET	PATHWAY, DIST GP= 1, 814. METERS WINDS TOWARD NNE							
ADULT	4.6E-03	4.6E-03	0.0E+00	4.6E-03	4.6E-03	4.6E-03	4.6E-03	0.0E+00
TEEN	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
CHILD	8.2E-03	8.2E-03	0.0E+00	8.2E-03	8.2E-03	8.2E-03	8.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NNE							
ADULT	2.4E-05	2.4E-05	0.0E+00	2.4E-05	2.4E-05	2.4E-05	2.4E-05	0.0E+00
TEEN	1.4E-05	1.4E-05	0.0E+00	1.4E-05	1.4E-05	1.4E-05	1.4E-05	0.0E+00
CHILD	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	1.7E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE							
ADULT	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
TEEN	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
CHILD	2.9E-04	2.9E-04	0.0E+00	2.9E-04	2.9E-04	2.9E-04	2.9E-04	0.0E+00
INFNT	4.4E-04	4.4E-04	0.0E+00	4.4E-04	4.4E-04	4.4E-04	4.4E-04	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE							
ADULT	2.9E-04	2.9E-04	0.0E+00	2.9E-04	2.9E-04	2.9E-04	2.9E-04	0.0E+00
TEEN	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
CHILD	5.9E-04	5.9E-04	0.0E+00	5.9E-04	5.9E-04	5.9E-04	5.9E-04	0.0E+00
INFNT	9.0E-04	9.0E-04	0.0E+00	9.0E-04	9.0E-04	9.0E-04	9.0E-04	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE							
ADULT	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	3.5E-03	0.0E+00
TEEN	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	3.5E-03	0.0E+00
CHILD	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	8.6E-03	8.6E-03	0.0E+00	8.6E-03	8.6E-03	8.6E-03	8.6E-03	0.0E+00
TEEN	9.4E-03	9.4E-03	0.0E+00	9.4E-03	9.4E-03	9.4E-03	9.4E-03	0.0E+00
CHILD	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
INFNT	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
TOTALS								
ADULT	8.6E-03	8.6E-03	0.0E+00	8.6E-03	8.6E-03	8.6E-03	8.6E-03	0.0E+00
TEEN	9.4E-03	9.4E-03	0.0E+00	9.4E-03	9.4E-03	9.4E-03	9.4E-03	0.0E+00
CHILD	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
INFNT	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1052. METERS WINDS TOWARD NE								
ADULT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
TEEN	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
CHILD	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NE								
ADULT	1.4E-05	1.4E-05	0.0E+00	1.4E-05	1.4E-05	1.4E-05	1.4E-05	0.0E+00
TEEN	8.4E-06	8.4E-06	0.0E+00	8.4E-06	8.4E-06	8.4E-06	8.4E-06	0.0E+00
CHILD	1.0E-05	1.0E-05	0.0E+00	1.0E-05	1.0E-05	1.0E-05	1.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	8.5E-05	8.5E-05	0.0E+00	8.5E-05	8.5E-05	8.5E-05	8.5E-05	0.0E+00
TEEN	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
CHILD	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
INFNT	2.7E-04	2.7E-04	0.0E+00	2.7E-04	2.7E-04	2.7E-04	2.7E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
TEEN	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
CHILD	3.6E-04	3.6E-04	0.0E+00	3.6E-04	3.6E-04	3.6E-04	3.6E-04	0.0E+00
INFNT	5.5E-04	5.5E-04	0.0E+00	5.5E-04	5.5E-04	5.5E-04	5.5E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
CHILD	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
INFNT	6.4E-04	6.4E-04	0.0E+00	6.4E-04	6.4E-04	6.4E-04	6.4E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
INFNT	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00
TOTALS								
ADULT	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
INFNT	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1852. METERS WINDS TOWARD ENE								
ADULT	8.4E-04	8.4E-04	0.0E+00	8.4E-04	8.4E-04	8.4E-04	8.4E-04	0.0E+00
TEEN	9.7E-04	9.7E-04	0.0E+00	9.7E-04	9.7E-04	9.7E-04	9.7E-04	0.0E+00
CHILD	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 3862. METERS WINDS TOWARD ENE								
ADULT	3.9E-05	3.9E-05	0.0E+00	3.9E-05	3.9E-05	3.9E-05	3.9E-05	0.0E+00
TEEN	2.3E-05	2.3E-05	0.0E+00	2.3E-05	2.3E-05	2.3E-05	2.3E-05	0.0E+00
CHILD	2.8E-05	2.8E-05	0.0E+00	2.8E-05	2.8E-05	2.8E-05	2.8E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE								
ADULT	8.4E-05	8.4E-05	0.0E+00	8.4E-05	8.4E-05	8.4E-05	8.4E-05	0.0E+00
TEEN	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
CHILD	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
INFNT	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	2.6E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE								
ADULT	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
TEEN	2.2E-04	2.2E-04	0.0E+00	2.2E-04	2.2E-04	2.2E-04	2.2E-04	0.0E+00
CHILD	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
INFNT	5.4E-04	5.4E-04	0.0E+00	5.4E-04	5.4E-04	5.4E-04	5.4E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
TEEN	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
CHILD	4.5E-04	4.5E-04	0.0E+00	4.5E-04	4.5E-04	4.5E-04	4.5E-04	0.0E+00
INFNT	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	2.6E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
TEEN	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
CHILD	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TOTALS								
ADULT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
TEEN	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
CHILD	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1705. METERS WINDS TOWARD E								
ADULT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS WINDS TOWARD E								
ADULT	2.2E-05	2.2E-05	0.0E+00	2.2E-05	2.2E-05	2.2E-05	2.2E-05	0.0E+00
TEEN	1.3E-05	1.3E-05	0.0E+00	1.3E-05	1.3E-05	1.3E-05	1.3E-05	0.0E+00
CHILD	1.6E-05	1.6E-05	0.0E+00	1.6E-05	1.6E-05	1.6E-05	1.6E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
TEEN	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
CHILD	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
INFNT	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
TEEN	3.0E-04	3.0E-04	0.0E+00	3.0E-04	3.0E-04	3.0E-04	3.0E-04	0.0E+00
CHILD	4.7E-04	4.7E-04	0.0E+00	4.7E-04	4.7E-04	4.7E-04	4.7E-04	0.0E+00
INFNT	7.2E-04	7.2E-04	0.0E+00	7.2E-04	7.2E-04	7.2E-04	7.2E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	6.8E-04	6.8E-04	0.0E+00	6.8E-04	6.8E-04	6.8E-04	6.8E-04	0.0E+00
TEEN	6.9E-04	6.9E-04	0.0E+00	6.9E-04	6.9E-04	6.9E-04	6.9E-04	0.0E+00
CHILD	6.1E-04	6.1E-04	0.0E+00	6.1E-04	6.1E-04	6.1E-04	6.1E-04	0.0E+00
INFNT	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.3E-03	2.3E-03	0.0E+00	2.3E-03	2.3E-03	2.3E-03	2.3E-03	0.0E+00
TEEN	2.6E-03	2.6E-03	0.0E+00	2.6E-03	2.6E-03	2.6E-03	2.6E-03	0.0E+00
CHILD	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	3.5E-03	0.0E+00
INFNT	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
TOTALS								
ADULT	2.3E-03	2.3E-03	0.0E+00	2.3E-03	2.3E-03	2.3E-03	2.3E-03	0.0E+00
TEEN	2.6E-03	2.6E-03	0.0E+00	2.6E-03	2.6E-03	2.6E-03	2.6E-03	0.0E+00
CHILD	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	3.5E-03	0.0E+00
INFNT	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1628. METERS WINDS TOWARD ESE								
ADULT	6.6E-04	6.6E-04	0.0E+00	6.6E-04	6.6E-04	6.6E-04	6.6E-04	0.0E+00
TEEN	7.6E-04	7.6E-04	0.0E+00	7.6E-04	7.6E-04	7.6E-04	7.6E-04	0.0E+00
CHILD	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS WINDS TOWARD ESE								
ADULT	5.2E-05	5.2E-05	0.0E+00	5.2E-05	5.2E-05	5.2E-05	5.2E-05	0.0E+00
TEEN	3.1E-05	3.1E-05	0.0E+00	3.1E-05	3.1E-05	3.1E-05	3.1E-05	0.0E+00
CHILD	3.8E-05	3.8E-05	0.0E+00	3.8E-05	3.8E-05	3.8E-05	3.8E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE								
ADULT	5.5E-05	5.5E-05	0.0E+00	5.5E-05	5.5E-05	5.5E-05	5.5E-05	0.0E+00
TEEN	7.2E-05	7.2E-05	0.0E+00	7.2E-05	7.2E-05	7.2E-05	7.2E-05	0.0E+00
CHILD	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
INFNT	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE								
ADULT	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
TEEN	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
CHILD	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
INFNT	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE								
ADULT	3.6E-04	3.6E-04	0.0E+00	3.6E-04	3.6E-04	3.6E-04	3.6E-04	0.0E+00
TEEN	3.7E-04	3.7E-04	0.0E+00	3.7E-04	3.7E-04	3.7E-04	3.7E-04	0.0E+00
CHILD	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	3.2E-04	0.0E+00
INFNT	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
INFNT	7.1E-04	7.1E-04	0.0E+00	7.1E-04	7.1E-04	7.1E-04	7.1E-04	0.0E+00
TOTALS								
ADULT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
INFNT	7.1E-04	7.1E-04	0.0E+00	7.1E-04	7.1E-04	7.1E-04	7.1E-04	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 914. METERS WINDS TOWARD SE								
ADULT	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
TEEN	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
CHILD	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS WINDS TOWARD SE								
ADULT	2.8E-05	2.8E-05	0.0E+00	2.8E-05	2.8E-05	2.8E-05	2.8E-05	0.0E+00
TEEN	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	1.7E-05	0.0E+00
CHILD	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	7.4E-05	7.4E-05	0.0E+00	7.4E-05	7.4E-05	7.4E-05	7.4E-05	0.0E+00
TEEN	9.6E-05	9.6E-05	0.0E+00	9.6E-05	9.6E-05	9.6E-05	9.6E-05	0.0E+00
CHILD	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
INFNT	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
TEEN	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	2.0E-04	0.0E+00
CHILD	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	3.1E-04	0.0E+00
INFNT	4.7E-04	4.7E-04	0.0E+00	4.7E-04	4.7E-04	4.7E-04	4.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	8.6E-04	8.6E-04	0.0E+00	8.6E-04	8.6E-04	8.6E-04	8.6E-04	0.0E+00
TEEN	8.6E-04	8.6E-04	0.0E+00	8.6E-04	8.6E-04	8.6E-04	8.6E-04	0.0E+00
CHILD	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
INFNT	4.4E-04	4.4E-04	0.0E+00	4.4E-04	4.4E-04	4.4E-04	4.4E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.3E-03	3.3E-03	0.0E+00	3.3E-03	3.3E-03	3.3E-03	3.3E-03	0.0E+00
TEEN	3.7E-03	3.7E-03	0.0E+00	3.7E-03	3.7E-03	3.7E-03	3.7E-03	0.0E+00
CHILD	5.1E-03	5.1E-03	0.0E+00	5.1E-03	5.1E-03	5.1E-03	5.1E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TOTALS								
ADULT	3.3E-03	3.3E-03	0.0E+00	3.3E-03	3.3E-03	3.3E-03	3.3E-03	0.0E+00
TEEN	3.7E-03	3.7E-03	0.0E+00	3.7E-03	3.7E-03	3.7E-03	3.7E-03	0.0E+00
CHILD	5.1E-03	5.1E-03	0.0E+00	5.1E-03	5.1E-03	5.1E-03	5.1E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE							
ADULT	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	0.0E+00
TEEN	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	0.0E+00
CHILD	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE							
ADULT	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	0.0E+00
TEEN	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	0.0E+00
CHILD	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE							
ADULT	9.9E-05	9.9E-05	0.0E+00	9.9E-05	9.9E-05	9.9E-05	0.0E+00
TEEN	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	0.0E+00
CHILD	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
INFNT	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE							
ADULT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
TEEN	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	0.0E+00
CHILD	4.1E-04	4.1E-04	0.0E+00	4.1E-04	4.1E-04	4.1E-04	0.0E+00
INFNT	6.3E-04	6.3E-04	0.0E+00	6.3E-04	6.3E-04	6.3E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE							
ADULT	7.4E-04	7.4E-04	0.0E+00	7.4E-04	7.4E-04	7.4E-04	0.0E+00
TEEN	7.5E-04	7.5E-04	0.0E+00	7.5E-04	7.5E-04	7.5E-04	0.0E+00
CHILD	6.6E-04	6.6E-04	0.0E+00	6.6E-04	6.6E-04	6.6E-04	0.0E+00
INFNT	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	0.0E+00
SUBTOTALS (NO PLUME)							
ADULT	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.4E-03	5.4E-03	0.0E+00	5.4E-03	5.4E-03	5.4E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TOTALS							
ADULT	3.5E-03	3.5E-03	0.0E+00	3.5E-03	3.5E-03	3.5E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.4E-03	5.4E-03	0.0E+00	5.4E-03	5.4E-03	5.4E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 863. METERS WINDS TOWARD S								
ADULT	3.0E-03	3.0E-03	0.0E+00	3.0E-03	3.0E-03	3.0E-03	3.0E-03	0.0E+00
TEEN	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
CHILD	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS WINDS TOWARD S								
ADULT	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
TEEN	1.2E-05	1.2E-05	0.0E+00	1.2E-05	1.2E-05	1.2E-05	1.2E-05	0.0E+00
CHILD	1.5E-05	1.5E-05	0.0E+00	1.5E-05	1.5E-05	1.5E-05	1.5E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	9.2E-05	9.2E-05	0.0E+00	9.2E-05	9.2E-05	9.2E-05	9.2E-05	0.0E+00
TEEN	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
CHILD	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
INFNT	2.9E-04	2.9E-04	0.0E+00	2.9E-04	2.9E-04	2.9E-04	2.9E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
TEEN	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
CHILD	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	3.9E-04	0.0E+00
INFNT	5.9E-04	5.9E-04	0.0E+00	5.9E-04	5.9E-04	5.9E-04	5.9E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
CHILD	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
INFNT	6.5E-04	6.5E-04	0.0E+00	6.5E-04	6.5E-04	6.5E-04	6.5E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.5E-03	4.5E-03	0.0E+00	4.5E-03	4.5E-03	4.5E-03	4.5E-03	0.0E+00
TEEN	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
CHILD	7.0E-03	7.0E-03	0.0E+00	7.0E-03	7.0E-03	7.0E-03	7.0E-03	0.0E+00
INFNT	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00
TOTALS								
ADULT	4.5E-03	4.5E-03	0.0E+00	4.5E-03	4.5E-03	4.5E-03	4.5E-03	0.0E+00
TEEN	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
CHILD	7.0E-03	7.0E-03	0.0E+00	7.0E-03	7.0E-03	7.0E-03	7.0E-03	0.0E+00
INFNT	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 1 1 1 THRU 99 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 770. METERS WINDS TOWARD SSW								
ADULT	2.3E-03	2.3E-03	0.0E+00	2.3E-03	2.3E-03	2.3E-03	2.3E-03	0.0E+00
TEEN	2.6E-03	2.6E-03	0.0E+00	2.6E-03	2.6E-03	2.6E-03	2.6E-03	0.0E+00
CHILD	4.0E-03	4.0E-03	0.0E+00	4.0E-03	4.0E-03	4.0E-03	4.0E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD SSW								
ADULT	9.9E-06	9.9E-06	0.0E+00	9.9E-06	9.9E-06	9.9E-06	9.9E-06	0.0E+00
TEEN	5.9E-06	5.9E-06	0.0E+00	5.9E-06	5.9E-06	5.9E-06	5.9E-06	0.0E+00
CHILD	7.1E-06	7.1E-06	0.0E+00	7.1E-06	7.1E-06	7.1E-06	7.1E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW								
ADULT	6.4E-05	6.4E-05	0.0E+00	6.4E-05	6.4E-05	6.4E-05	6.4E-05	0.0E+00
TEEN	8.4E-05	8.4E-05	0.0E+00	8.4E-05	8.4E-05	8.4E-05	8.4E-05	0.0E+00
CHILD	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	1.3E-04	0.0E+00
INFNT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	2.0E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW								
ADULT	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	1.3E-04	0.0E+00
TEEN	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
CHILD	2.7E-04	2.7E-04	0.0E+00	2.7E-04	2.7E-04	2.7E-04	2.7E-04	0.0E+00
INFNT	4.1E-04	4.1E-04	0.0E+00	4.1E-04	4.1E-04	4.1E-04	4.1E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	9.3E-04	9.3E-04	0.0E+00	9.3E-04	9.3E-04	9.3E-04	9.3E-04	0.0E+00
TEEN	9.4E-04	9.4E-04	0.0E+00	9.4E-04	9.4E-04	9.4E-04	9.4E-04	0.0E+00
CHILD	8.3E-04	8.3E-04	0.0E+00	8.3E-04	8.3E-04	8.3E-04	8.3E-04	0.0E+00
INFNT	4.8E-04	4.8E-04	0.0E+00	4.8E-04	4.8E-04	4.8E-04	4.8E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TOTALS								
ADULT	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00

Information	12-THP-6010.RPP.601	Rev. 3a	Page 49 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 9	Summary of Maximum Individual Doses		Page: 49

2nd Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (mrem)	AGE GROUP	LOCATION DIST DIR (M) (Toward)	% OF APPLICABLE LIMIT	LIMIT (mrem) QTR
Liquid	Total Body	3.11E-03	Child	Receptor 1	2.07E-01	1.5E+0
Liquid	GI-Tract	3.28E-03	Adult	Receptor 1	6.56E-02	5.0E+0
Noble Gas	Air Dose (Gamma-mrad)	0.00E+00		594 N	0.00E+00	5.0E+0
Noble Gas	Air dose (Beta-mrad)	0.00E+00		594 N	0.00E+00	1.0E+1
Iodines and Particulates	Total Body	2.14E-02	Child	659 N	2.85E-01	7.5E+0

LAST LIQUID DOSE ACCUMULATIONS (MREM)
 START DATE 99 4 1 1 END DATE 99 63024
 BONE LIVER T.BODY THYRD KIDNEY LUNG GI-LLI SKIN

WATER

ADULT	4.6E-05	2.1E-03	2.1E-03	2.0E-03	2.0E-03	2.0E-03	2.3E-03	0.0E+00
TEEN	4.0E-05	1.5E-03	1.5E-03	1.4E-03	1.4E-03	1.4E-03	1.6E-03	0.0E+00
CHILD	1.0E-04	2.8E-03	2.8E-03	2.8E-03	2.8E-03	2.8E-03	2.9E-03	0.0E+00
INFANT	8.1E-05	2.8E-03	2.8E-03	2.7E-03	2.7E-03	2.7E-03	2.8E-03	0.0E+00

SHORE

ADULT	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	6.3E-05
TEEN	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.5E-04
CHILD	6.3E-05	6.3E-05	6.3E-05	6.3E-05	6.3E-05	6.3E-05	6.3E-05	7.4E-05
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

FW SPT FISH

ADULT	2.7E-04	4.2E-04	3.0E-04	1.4E-04	1.8E-04	2.1E-04	9.6E-04	0.0E+00
TEEN	2.8E-04	4.0E-04	2.5E-04	1.1E-04	1.5E-04	2.0E-04	6.8E-04	0.0E+00
CHILD	3.4E-04	3.5E-04	2.3E-04	8.7E-05	1.2E-04	1.7E-04	2.9E-04	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

TOTAL

ADULT	3.7E-04	2.5E-03	2.4E-03	2.2E-03	2.3E-03	2.3E-03	3.3E-03	6.3E-05
TEEN	6.2E-04	2.2E-03	2.0E-03	1.8E-03	1.9E-03	1.9E-03	2.6E-03	3.5E-04
CHILD	5.1E-04	3.2E-03	3.1E-03	2.9E-03	2.9E-03	3.0E-03	3.2E-03	7.4E-05
INFANT	8.1E-05	2.8E-03	2.8E-03	2.7E-03	2.7E-03	2.7E-03	2.8E-03	0.0E+00

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 4 1 1 0 TO 99 63024 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 4 1 1 0 TO 99 63024 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 4 1 1 0 TO 99 63024 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ENE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM E

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ESE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM S

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM W

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 4 1 1 0 TO 99 63024 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	4.5E-04	4.5E-04	0.0E+00	4.5E-04	4.5E-04	4.5E-04	4.5E-04	0.0E+00
TEEN	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
CHILD	7.9E-04	7.9E-04	0.0E+00	7.9E-04	7.9E-04	7.9E-04	7.9E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	6.5E-05	6.5E-05	0.0E+00	6.5E-05	6.5E-05	6.5E-05	6.5E-05	0.0E+00
TEEN	3.8E-05	3.8E-05	0.0E+00	3.8E-05	3.8E-05	3.8E-05	3.8E-05	0.0E+00
CHILD	4.7E-05	4.7E-05	0.0E+00	4.7E-05	4.7E-05	4.7E-05	4.7E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
TEEN	4.9E-04	4.9E-04	0.0E+00	4.9E-04	4.9E-04	4.9E-04	4.9E-04	0.0E+00
CHILD	7.8E-04	7.8E-04	0.0E+00	7.8E-04	7.8E-04	7.8E-04	7.8E-04	0.0E+00
INFNT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
TEEN	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
CHILD	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
INFNT	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	2.4E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	9.6E-03	9.6E-03	0.0E+00	9.6E-03	9.6E-03	9.6E-03	9.6E-03	0.0E+00
TEEN	9.6E-03	9.6E-03	0.0E+00	9.6E-03	9.6E-03	9.6E-03	9.6E-03	0.0E+00
CHILD	8.5E-03	8.5E-03	0.0E+00	8.5E-03	8.5E-03	8.5E-03	8.5E-03	0.0E+00
INFNT	4.9E-03	4.9E-03	0.0E+00	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
TEEN	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
CHILD	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
INFNT	8.5E-03	8.5E-03	0.0E+00	8.5E-03	8.5E-03	8.5E-03	8.5E-03	0.0E+00
TOTALS								
ADULT	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
TEEN	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
CHILD	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
INFNT	8.5E-03	8.5E-03	0.0E+00	8.5E-03	8.5E-03	8.5E-03	8.5E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 814. METERS WINDS TOWARD NNE								
ADULT	6.2E-03	6.2E-03	0.0E+00	6.2E-03	6.2E-03	6.2E-03	6.2E-03	0.0E+00
TEEN	7.1E-03	7.1E-03	0.0E+00	7.1E-03	7.1E-03	7.1E-03	7.1E-03	0.0E+00
CHILD	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NNE								
ADULT	3.4E-05	3.4E-05	0.0E+00	3.4E-05	3.4E-05	3.4E-05	3.4E-05	0.0E+00
TEEN	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
CHILD	2.4E-05	2.4E-05	0.0E+00	2.4E-05	2.4E-05	2.4E-05	2.4E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
TEEN	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
CHILD	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	3.9E-04	0.0E+00
INFNT	6.0E-04	6.0E-04	0.0E+00	6.0E-04	6.0E-04	6.0E-04	6.0E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	3.9E-04	0.0E+00
TEEN	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
CHILD	8.0E-04	8.0E-04	0.0E+00	8.0E-04	8.0E-04	8.0E-04	8.0E-04	0.0E+00
INFNT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	4.8E-03	4.8E-03	0.0E+00	4.8E-03	4.8E-03	4.8E-03	4.8E-03	0.0E+00
TEEN	4.8E-03	4.8E-03	0.0E+00	4.8E-03	4.8E-03	4.8E-03	4.8E-03	0.0E+00
CHILD	4.3E-03	4.3E-03	0.0E+00	4.3E-03	4.3E-03	4.3E-03	4.3E-03	0.0E+00
INFNT	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	2.4E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.7E-02	1.7E-02	0.0E+00	1.7E-02	1.7E-02	1.7E-02	1.7E-02	0.0E+00
INFNT	4.3E-03	4.3E-03	0.0E+00	4.3E-03	4.3E-03	4.3E-03	4.3E-03	0.0E+00
TOTALS								
ADULT	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.7E-02	1.7E-02	0.0E+00	1.7E-02	1.7E-02	1.7E-02	1.7E-02	0.0E+00
INFNT	4.3E-03	4.3E-03	0.0E+00	4.3E-03	4.3E-03	4.3E-03	4.3E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1052. METERS WINDS TOWARD NE								
ADULT	2.9E-03	2.9E-03	0.0E+00	2.9E-03	2.9E-03	2.9E-03	2.9E-03	0.0E+00
TEEN	3.3E-03	3.3E-03	0.0E+00	3.3E-03	3.3E-03	3.3E-03	3.3E-03	0.0E+00
CHILD	5.1E-03	5.1E-03	0.0E+00	5.1E-03	5.1E-03	5.1E-03	5.1E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NE								
ADULT	2.4E-05	2.4E-05	0.0E+00	2.4E-05	2.4E-05	2.4E-05	2.4E-05	0.0E+00
TEEN	1.4E-05	1.4E-05	0.0E+00	1.4E-05	1.4E-05	1.4E-05	1.4E-05	0.0E+00
CHILD	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	1.7E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	1.3E-04	0.0E+00
TEEN	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
CHILD	2.7E-04	2.7E-04	0.0E+00	2.7E-04	2.7E-04	2.7E-04	2.7E-04	0.0E+00
INFNT	4.2E-04	4.2E-04	0.0E+00	4.2E-04	4.2E-04	4.2E-04	4.2E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	2.7E-04	2.7E-04	0.0E+00	2.7E-04	2.7E-04	2.7E-04	2.7E-04	0.0E+00
TEEN	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
CHILD	5.6E-04	5.6E-04	0.0E+00	5.6E-04	5.6E-04	5.6E-04	5.6E-04	0.0E+00
INFNT	8.5E-04	8.5E-04	0.0E+00	8.5E-04	8.5E-04	8.5E-04	8.5E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
TEEN	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
CHILD	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00
INFNT	9.7E-04	9.7E-04	0.0E+00	9.7E-04	9.7E-04	9.7E-04	9.7E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
TEEN	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
CHILD	7.7E-03	7.7E-03	0.0E+00	7.7E-03	7.7E-03	7.7E-03	7.7E-03	0.0E+00
INFNT	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
TOTALS								
ADULT	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
TEEN	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
CHILD	7.7E-03	7.7E-03	0.0E+00	7.7E-03	7.7E-03	7.7E-03	7.7E-03	0.0E+00
INFNT	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1852. METERS WINDS TOWARD ENE								
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00
CHILD	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 3862. METERS WINDS TOWARD ENE								
ADULT	6.3E-05	6.3E-05	0.0E+00	6.3E-05	6.3E-05	6.3E-05	6.3E-05	0.0E+00
TEEN	3.8E-05	3.8E-05	0.0E+00	3.8E-05	3.8E-05	3.8E-05	3.8E-05	0.0E+00
CHILD	4.6E-05	4.6E-05	0.0E+00	4.6E-05	4.6E-05	4.6E-05	4.6E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE								
ADULT	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
TEEN	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
CHILD	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
INFNT	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE								
ADULT	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
TEEN	3.6E-04	3.6E-04	0.0E+00	3.6E-04	3.6E-04	3.6E-04	3.6E-04	0.0E+00
CHILD	5.7E-04	5.7E-04	0.0E+00	5.7E-04	5.7E-04	5.7E-04	5.7E-04	0.0E+00
INFNT	8.7E-04	8.7E-04	0.0E+00	8.7E-04	8.7E-04	8.7E-04	8.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE								
ADULT	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
TEEN	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
CHILD	6.8E-04	6.8E-04	0.0E+00	6.8E-04	6.8E-04	6.8E-04	6.8E-04	0.0E+00
INFNT	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	3.9E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
TEEN	2.8E-03	2.8E-03	0.0E+00	2.8E-03	2.8E-03	2.8E-03	2.8E-03	0.0E+00
CHILD	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
INFNT	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00
TOTALS								
ADULT	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
TEEN	2.8E-03	2.8E-03	0.0E+00	2.8E-03	2.8E-03	2.8E-03	2.8E-03	0.0E+00
CHILD	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
INFNT	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1705. METERS WINDS TOWARD E								
ADULT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
TEEN	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
CHILD	2.9E-03	2.9E-03	0.0E+00	2.9E-03	2.9E-03	2.9E-03	2.9E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS WINDS TOWARD E								
ADULT	3.3E-05	3.3E-05	0.0E+00	3.3E-05	3.3E-05	3.3E-05	3.3E-05	0.0E+00
TEEN	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
CHILD	2.4E-05	2.4E-05	0.0E+00	2.4E-05	2.4E-05	2.4E-05	2.4E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	1.6E-04	1.6E-04	0.0E+00	1.6E-04	1.6E-04	1.6E-04	1.6E-04	0.0E+00
TEEN	2.1E-04	2.1E-04	0.0E+00	2.1E-04	2.1E-04	2.1E-04	2.1E-04	0.0E+00
CHILD	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	3.2E-04	0.0E+00
INFNT	4.9E-04	4.9E-04	0.0E+00	4.9E-04	4.9E-04	4.9E-04	4.9E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	3.2E-04	0.0E+00
TEEN	4.2E-04	4.2E-04	0.0E+00	4.2E-04	4.2E-04	4.2E-04	4.2E-04	0.0E+00
CHILD	6.6E-04	6.6E-04	0.0E+00	6.6E-04	6.6E-04	6.6E-04	6.6E-04	0.0E+00
INFNT	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	9.0E-04	9.0E-04	0.0E+00	9.0E-04	9.0E-04	9.0E-04	9.0E-04	0.0E+00
TEEN	9.1E-04	9.1E-04	0.0E+00	9.1E-04	9.1E-04	9.1E-04	9.1E-04	0.0E+00
CHILD	8.0E-04	8.0E-04	0.0E+00	8.0E-04	8.0E-04	8.0E-04	8.0E-04	0.0E+00
INFNT	4.6E-04	4.6E-04	0.0E+00	4.6E-04	4.6E-04	4.6E-04	4.6E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
TEEN	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
CHILD	4.7E-03	4.7E-03	0.0E+00	4.7E-03	4.7E-03	4.7E-03	4.7E-03	0.0E+00
INFNT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TOTALS								
ADULT	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
TEEN	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
CHILD	4.7E-03	4.7E-03	0.0E+00	4.7E-03	4.7E-03	4.7E-03	4.7E-03	0.0E+00
INFNT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1628. METERS WINDS TOWARD ESE							
ADULT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TEEN	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	0.0E+00
CHILD	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS WINDS TOWARD ESE							
ADULT	8.9E-05	8.9E-05	0.0E+00	8.9E-05	8.9E-05	8.9E-05	0.0E+00
TEEN	5.3E-05	5.3E-05	0.0E+00	5.3E-05	5.3E-05	5.3E-05	0.0E+00
CHILD	6.4E-05	6.4E-05	0.0E+00	6.4E-05	6.4E-05	6.4E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	9.8E-05	9.8E-05	0.0E+00	9.8E-05	9.8E-05	9.8E-05	0.0E+00
TEEN	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	0.0E+00
CHILD	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
INFNT	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
TEEN	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	0.0E+00
CHILD	4.1E-04	4.1E-04	0.0E+00	4.1E-04	4.1E-04	4.1E-04	0.0E+00
INFNT	6.3E-04	6.3E-04	0.0E+00	6.3E-04	6.3E-04	6.3E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	6.2E-04	6.2E-04	0.0E+00	6.2E-04	6.2E-04	6.2E-04	0.0E+00
TEEN	6.2E-04	6.2E-04	0.0E+00	6.2E-04	6.2E-04	6.2E-04	0.0E+00
CHILD	5.5E-04	5.5E-04	0.0E+00	5.5E-04	5.5E-04	5.5E-04	0.0E+00
INFNT	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	0.0E+00
SUBTOTALS (NO PLUME)							
ADULT	2.1E-03	2.1E-03	0.0E+00	2.1E-03	2.1E-03	2.1E-03	0.0E+00
TEEN	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	0.0E+00
CHILD	3.2E-03	3.2E-03	0.0E+00	3.2E-03	3.2E-03	3.2E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TOTALS							
ADULT	2.1E-03	2.1E-03	0.0E+00	2.1E-03	2.1E-03	2.1E-03	0.0E+00
TEEN	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	0.0E+00
CHILD	3.2E-03	3.2E-03	0.0E+00	3.2E-03	3.2E-03	3.2E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 914. METERS WINDS TOWARD SE								
ADULT	3.3E-03	3.3E-03	0.0E+00	3.3E-03	3.3E-03	3.3E-03	3.3E-03	0.0E+00
TEEN	3.8E-03	3.8E-03	0.0E+00	3.8E-03	3.8E-03	3.8E-03	3.8E-03	0.0E+00
CHILD	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS WINDS TOWARD SE								
ADULT	4.7E-05	4.7E-05	0.0E+00	4.7E-05	4.7E-05	4.7E-05	4.7E-05	0.0E+00
TEEN	2.8E-05	2.8E-05	0.0E+00	2.8E-05	2.8E-05	2.8E-05	2.8E-05	0.0E+00
CHILD	3.4E-05	3.4E-05	0.0E+00	3.4E-05	3.4E-05	3.4E-05	3.4E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
TEEN	1.6E-04	1.6E-04	0.0E+00	1.6E-04	1.6E-04	1.6E-04	1.6E-04	0.0E+00
CHILD	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
INFNT	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
TEEN	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	3.2E-04	0.0E+00
CHILD	5.0E-04	5.0E-04	0.0E+00	5.0E-04	5.0E-04	5.0E-04	5.0E-04	0.0E+00
INFNT	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
CHILD	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
INFNT	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	6.7E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
TEEN	5.6E-03	5.6E-03	0.0E+00	5.6E-03	5.6E-03	5.6E-03	5.6E-03	0.0E+00
CHILD	7.8E-03	7.8E-03	0.0E+00	7.8E-03	7.8E-03	7.8E-03	7.8E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
TOTALS								
ADULT	5.0E-03	5.0E-03	0.0E+00	5.0E-03	5.0E-03	5.0E-03	5.0E-03	0.0E+00
TEEN	5.6E-03	5.6E-03	0.0E+00	5.6E-03	5.6E-03	5.6E-03	5.6E-03	0.0E+00
CHILD	7.8E-03	7.8E-03	0.0E+00	7.8E-03	7.8E-03	7.8E-03	7.8E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE								
ADULT	3.0E-03	3.0E-03	0.0E+00	3.0E-03	3.0E-03	3.0E-03	3.0E-03	0.0E+00
TEEN	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
CHILD	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE								
ADULT	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
TEEN	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	2.6E-04	0.0E+00
CHILD	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	3.1E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE								
ADULT	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
TEEN	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
CHILD	2.9E-04	2.9E-04	0.0E+00	2.9E-04	2.9E-04	2.9E-04	2.9E-04	0.0E+00
INFNT	4.4E-04	4.4E-04	0.0E+00	4.4E-04	4.4E-04	4.4E-04	4.4E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE								
ADULT	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
TEEN	3.7E-04	3.7E-04	0.0E+00	3.7E-04	3.7E-04	3.7E-04	3.7E-04	0.0E+00
CHILD	5.8E-04	5.8E-04	0.0E+00	5.8E-04	5.8E-04	5.8E-04	5.8E-04	0.0E+00
INFNT	8.9E-04	8.9E-04	0.0E+00	8.9E-04	8.9E-04	8.9E-04	8.9E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
TEEN	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
CHILD	9.0E-04	9.0E-04	0.0E+00	9.0E-04	9.0E-04	9.0E-04	9.0E-04	0.0E+00
INFNT	5.2E-04	5.2E-04	0.0E+00	5.2E-04	5.2E-04	5.2E-04	5.2E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.9E-03	4.9E-03	0.0E+00	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
TEEN	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
CHILD	7.4E-03	7.4E-03	0.0E+00	7.4E-03	7.4E-03	7.4E-03	7.4E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
TOTALS								
ADULT	4.9E-03	4.9E-03	0.0E+00	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
TEEN	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
CHILD	7.4E-03	7.4E-03	0.0E+00	7.4E-03	7.4E-03	7.4E-03	7.4E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 863. METERS WINDS TOWARD S								
ADULT	3.4E-03	3.4E-03	0.0E+00	3.4E-03	3.4E-03	3.4E-03	3.4E-03	0.0E+00
TEEN	3.9E-03	3.9E-03	0.0E+00	3.9E-03	3.9E-03	3.9E-03	3.9E-03	0.0E+00
CHILD	6.0E-03	6.0E-03	0.0E+00	6.0E-03	6.0E-03	6.0E-03	6.0E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS WINDS TOWARD S								
ADULT	2.6E-05	2.6E-05	0.0E+00	2.6E-05	2.6E-05	2.6E-05	2.6E-05	0.0E+00
TEEN	1.6E-05	1.6E-05	0.0E+00	1.6E-05	1.6E-05	1.6E-05	1.6E-05	0.0E+00
CHILD	1.9E-05	1.9E-05	0.0E+00	1.9E-05	1.9E-05	1.9E-05	1.9E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
TEEN	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
CHILD	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
INFNT	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
TEEN	3.0E-04	3.0E-04	0.0E+00	3.0E-04	3.0E-04	3.0E-04	3.0E-04	0.0E+00
CHILD	4.7E-04	4.7E-04	0.0E+00	4.7E-04	4.7E-04	4.7E-04	4.7E-04	0.0E+00
INFNT	7.1E-04	7.1E-04	0.0E+00	7.1E-04	7.1E-04	7.1E-04	7.1E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
INFNT	7.4E-04	7.4E-04	0.0E+00	7.4E-04	7.4E-04	7.4E-04	7.4E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
TEEN	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
CHILD	8.0E-03	8.0E-03	0.0E+00	8.0E-03	8.0E-03	8.0E-03	8.0E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
TOTALS								
ADULT	5.2E-03	5.2E-03	0.0E+00	5.2E-03	5.2E-03	5.2E-03	5.2E-03	0.0E+00
TEEN	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
CHILD	8.0E-03	8.0E-03	0.0E+00	8.0E-03	8.0E-03	8.0E-03	8.0E-03	0.0E+00
INFNT	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 4 1 1 THRU 99 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 770. METERS WINDS TOWARD SSW								
ADULT	3.9E-03	3.9E-03	0.0E+00	3.9E-03	3.9E-03	3.9E-03	3.9E-03	0.0E+00
TEEN	4.4E-03	4.4E-03	0.0E+00	4.4E-03	4.4E-03	4.4E-03	4.4E-03	0.0E+00
CHILD	6.9E-03	6.9E-03	0.0E+00	6.9E-03	6.9E-03	6.9E-03	6.9E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD SSW								
ADULT	1.8E-05	1.8E-05	0.0E+00	1.8E-05	1.8E-05	1.8E-05	1.8E-05	0.0E+00
TEEN	1.1E-05	1.1E-05	0.0E+00	1.1E-05	1.1E-05	1.1E-05	1.1E-05	0.0E+00
CHILD	1.3E-05	1.3E-05	0.0E+00	1.3E-05	1.3E-05	1.3E-05	1.3E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW								
ADULT	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
TEEN	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
CHILD	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
INFNT	3.5E-04	3.5E-04	0.0E+00	3.5E-04	3.5E-04	3.5E-04	3.5E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW								
ADULT	2.3E-04	2.3E-04	0.0E+00	2.3E-04	2.3E-04	2.3E-04	2.3E-04	0.0E+00
TEEN	3.0E-04	3.0E-04	0.0E+00	3.0E-04	3.0E-04	3.0E-04	3.0E-04	0.0E+00
CHILD	4.6E-04	4.6E-04	0.0E+00	4.6E-04	4.6E-04	4.6E-04	4.6E-04	0.0E+00
INFNT	7.1E-04	7.1E-04	0.0E+00	7.1E-04	7.1E-04	7.1E-04	7.1E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW								
ADULT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
TEEN	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
CHILD	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
INFNT	8.1E-04	8.1E-04	0.0E+00	8.1E-04	8.1E-04	8.1E-04	8.1E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
TEEN	6.5E-03	6.5E-03	0.0E+00	6.5E-03	6.5E-03	6.5E-03	6.5E-03	0.0E+00
CHILD	9.0E-03	9.0E-03	0.0E+00	9.0E-03	9.0E-03	9.0E-03	9.0E-03	0.0E+00
INFNT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
TOTALS								
ADULT	5.8E-03	5.8E-03	0.0E+00	5.8E-03	5.8E-03	5.8E-03	5.8E-03	0.0E+00
TEEN	6.5E-03	6.5E-03	0.0E+00	6.5E-03	6.5E-03	6.5E-03	6.5E-03	0.0E+00
CHILD	9.0E-03	9.0E-03	0.0E+00	9.0E-03	9.0E-03	9.0E-03	9.0E-03	0.0E+00
INFNT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00

Information	12-THP-6010.RPP.601	Rev. 3a	Page 49 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 9	Summary of Maximum Individual Doses		Page: 49

3rd _____ Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (mrem)	AGE GROUP	LOCATION DIST DIR (M) (Toward)	% OF APPLICABLE LIMIT	LIMIT (mrem) QTR
Liquid	Total Body	5.38E-03	Child	Receptor 1	3.59E-01	1.5E+0
Liquid	Liver	6.19E-03	Child	Receptor 1	1.24E-01	5.0E+0
Noble Gas	Air Dose (Gamma-mrad)	0.00E+00		594 N	0.00E+00	5.0E+0
Noble Gas	Air dose (Beta-mrad)	0.00E+00		594 N	0.00E+00	1.0E+1
Iodines and Particulates	Total Body	2.19E-02	Child	659 N	2.92E-01	7.5E+0

LAST LIQUID DOSE ACCUMULATIONS (MREM)

START DATE 99 7 1 1 END DATE 99 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	4.1E-05	3.4E-03	3.4E-03	3.4E-03	3.4E-03	3.4E-03	3.9E-03	0.0E+00
TEEN	3.7E-05	2.4E-03	2.4E-03	2.4E-03	2.4E-03	2.4E-03	2.7E-03	0.0E+00
CHILD	1.0E-04	4.6E-03	4.7E-03	4.6E-03	4.6E-03	4.6E-03	4.8E-03	0.0E+00
INFANT	8.2E-05	4.6E-03	4.6E-03	4.5E-03	4.5E-03	4.5E-03	4.6E-03	0.0E+00
SHORE								
ADULT	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.6E-04
TEEN	7.8E-04	7.8E-04	7.8E-04	7.8E-04	7.8E-04	7.8E-04	7.8E-04	9.1E-04
CHILD	1.6E-04	1.6E-04	1.6E-04	1.6E-04	1.6E-04	1.6E-04	1.6E-04	1.9E-04
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	9.9E-04	1.5E-03	1.2E-03	2.3E-04	6.1E-04	4.1E-04	1.9E-03	0.0E+00
TEEN	1.0E-03	1.5E-03	7.9E-04	1.7E-04	5.7E-04	4.0E-04	1.3E-03	0.0E+00
CHILD	1.3E-03	1.4E-03	5.3E-04	1.4E-04	4.9E-04	3.3E-04	5.4E-04	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TOTAL								
ADULT	1.2E-03	5.1E-03	4.7E-03	3.7E-03	4.1E-03	3.9E-03	5.9E-03	1.6E-04
TEEN	1.9E-03	4.7E-03	4.0E-03	3.3E-03	3.7E-03	3.6E-03	4.8E-03	9.1E-04
CHILD	1.6E-03	6.2E-03	5.4E-03	4.9E-03	5.2E-03	5.1E-03	5.5E-03	1.9E-04
INFANT	8.2E-05	4.6E-03	4.6E-03	4.5E-03	4.5E-03	4.5E-03	4.6E-03	0.0E+00

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 7 1 1 0 TO 99 93024 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ENE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM E

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ESE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM S

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM W

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 7 1 1 0 TO 99 93024 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 7 1 1 0 TO 99 93024 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ENE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM E

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM ESE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSE

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM S

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM SW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WSW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM W

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM WNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**DIRECTION FROM NNW

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 99 7 1 1 0 TO 99 93024 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW					
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	5.0E-04	5.0E-04	0.0E+00	5.0E-04	5.0E-04	5.0E-04	5.0E-04	0.0E+00
TEEN	5.7E-04	5.7E-04	0.0E+00	5.7E-04	5.7E-04	5.7E-04	5.7E-04	0.0E+00
CHILD	8.8E-04	8.8E-04	0.0E+00	8.8E-04	8.8E-04	8.8E-04	8.8E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N								
ADULT	7.2E-05	7.2E-05	0.0E+00	7.2E-05	7.2E-05	7.2E-05	7.2E-05	0.0E+00
TEEN	4.3E-05	4.3E-05	0.0E+00	4.3E-05	4.3E-05	4.3E-05	4.3E-05	0.0E+00
CHILD	5.2E-05	5.2E-05	0.0E+00	5.2E-05	5.2E-05	5.2E-05	5.2E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	4.1E-04	4.1E-04	0.0E+00	4.1E-04	4.1E-04	4.1E-04	4.1E-04	0.0E+00
TEEN	5.4E-04	5.4E-04	0.0E+00	5.4E-04	5.4E-04	5.4E-04	5.4E-04	0.0E+00
CHILD	8.4E-04	8.4E-04	0.0E+00	8.4E-04	8.4E-04	8.4E-04	8.4E-04	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N								
ADULT	8.4E-04	8.4E-04	0.0E+00	8.4E-04	8.4E-04	8.4E-04	8.4E-04	0.0E+00
TEEN	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
CHILD	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00
INFNT	2.6E-03	2.6E-03	0.0E+00	2.6E-03	2.6E-03	2.6E-03	2.6E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N								
ADULT	1.0E-02	1.0E-02	0.0E+00	1.0E-02	1.0E-02	1.0E-02	1.0E-02	0.0E+00
TEEN	1.0E-02	1.0E-02	0.0E+00	1.0E-02	1.0E-02	1.0E-02	1.0E-02	0.0E+00
CHILD	9.2E-03	9.2E-03	0.0E+00	9.2E-03	9.2E-03	9.2E-03	9.2E-03	0.0E+00
INFNT	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
INFNT	9.2E-03	9.2E-03	0.0E+00	9.2E-03	9.2E-03	9.2E-03	9.2E-03	0.0E+00
TOTALS								
ADULT	1.2E-02	1.2E-02	0.0E+00	1.2E-02	1.2E-02	1.2E-02	1.2E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
INFNT	9.2E-03	9.2E-03	0.0E+00	9.2E-03	9.2E-03	9.2E-03	9.2E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 814. METERS WINDS TOWARD NNE								
ADULT	6.1E-03	6.1E-03	0.0E+00	6.1E-03	6.1E-03	6.1E-03	6.1E-03	0.0E+00
TEEN	7.0E-03	7.0E-03	0.0E+00	7.0E-03	7.0E-03	7.0E-03	7.0E-03	0.0E+00
CHILD	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NNE								
ADULT	3.3E-05	3.3E-05	0.0E+00	3.3E-05	3.3E-05	3.3E-05	3.3E-05	0.0E+00
TEEN	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
CHILD	2.4E-05	2.4E-05	0.0E+00	2.4E-05	2.4E-05	2.4E-05	2.4E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
TEEN	2.4E-04	2.4E-04	0.0E+00	2.4E-04	2.4E-04	2.4E-04	2.4E-04	0.0E+00
CHILD	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
INFNT	5.8E-04	5.8E-04	0.0E+00	5.8E-04	5.8E-04	5.8E-04	5.8E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
TEEN	4.9E-04	4.9E-04	0.0E+00	4.9E-04	4.9E-04	4.9E-04	4.9E-04	0.0E+00
CHILD	7.8E-04	7.8E-04	0.0E+00	7.8E-04	7.8E-04	7.8E-04	7.8E-04	0.0E+00
INFNT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	4.7E-03	4.7E-03	0.0E+00	4.7E-03	4.7E-03	4.7E-03	4.7E-03	0.0E+00
TEEN	4.7E-03	4.7E-03	0.0E+00	4.7E-03	4.7E-03	4.7E-03	4.7E-03	0.0E+00
CHILD	4.2E-03	4.2E-03	0.0E+00	4.2E-03	4.2E-03	4.2E-03	4.2E-03	0.0E+00
INFNT	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	2.4E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.6E-02	1.6E-02	0.0E+00	1.6E-02	1.6E-02	1.6E-02	1.6E-02	0.0E+00
INFNT	4.2E-03	4.2E-03	0.0E+00	4.2E-03	4.2E-03	4.2E-03	4.2E-03	0.0E+00
TOTALS								
ADULT	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
TEEN	1.3E-02	1.3E-02	0.0E+00	1.3E-02	1.3E-02	1.3E-02	1.3E-02	0.0E+00
CHILD	1.6E-02	1.6E-02	0.0E+00	1.6E-02	1.6E-02	1.6E-02	1.6E-02	0.0E+00
INFNT	4.2E-03	4.2E-03	0.0E+00	4.2E-03	4.2E-03	4.2E-03	4.2E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1052. METERS WINDS TOWARD NE								
ADULT	3.6E-03	3.6E-03	0.0E+00	3.6E-03	3.6E-03	3.6E-03	3.6E-03	0.0E+00
TEEN	4.1E-03	4.1E-03	0.0E+00	4.1E-03	4.1E-03	4.1E-03	4.1E-03	0.0E+00
CHILD	6.3E-03	6.3E-03	0.0E+00	6.3E-03	6.3E-03	6.3E-03	6.3E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NE								
ADULT	2.8E-05	2.8E-05	0.0E+00	2.8E-05	2.8E-05	2.8E-05	2.8E-05	0.0E+00
TEEN	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	1.7E-05	0.0E+00
CHILD	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	2.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	1.6E-04	1.6E-04	0.0E+00	1.6E-04	1.6E-04	1.6E-04	1.6E-04	0.0E+00
TEEN	2.1E-04	2.1E-04	0.0E+00	2.1E-04	2.1E-04	2.1E-04	2.1E-04	0.0E+00
CHILD	3.3E-04	3.3E-04	0.0E+00	3.3E-04	3.3E-04	3.3E-04	3.3E-04	0.0E+00
INFNT	5.0E-04	5.0E-04	0.0E+00	5.0E-04	5.0E-04	5.0E-04	5.0E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE								
ADULT	3.3E-04	3.3E-04	0.0E+00	3.3E-04	3.3E-04	3.3E-04	3.3E-04	0.0E+00
TEEN	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
CHILD	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	6.7E-04	0.0E+00
INFNT	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
INHAL PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE								
ADULT	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	2.4E-03	0.0E+00
TEEN	2.4E-03	2.4E-03	0.0E+00	2.4E-03	2.4E-03	2.4E-03	2.4E-03	0.0E+00
CHILD	2.1E-03	2.1E-03	0.0E+00	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00
INFNT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	6.4E-03	6.4E-03	0.0E+00	6.4E-03	6.4E-03	6.4E-03	6.4E-03	0.0E+00
TEEN	7.1E-03	7.1E-03	0.0E+00	7.1E-03	7.1E-03	7.1E-03	7.1E-03	0.0E+00
CHILD	9.5E-03	9.5E-03	0.0E+00	9.5E-03	9.5E-03	9.5E-03	9.5E-03	0.0E+00
INFNT	2.7E-03	2.7E-03	0.0E+00	2.7E-03	2.7E-03	2.7E-03	2.7E-03	0.0E+00
TOTALS								
ADULT	6.4E-03	6.4E-03	0.0E+00	6.4E-03	6.4E-03	6.4E-03	6.4E-03	0.0E+00
TEEN	7.1E-03	7.1E-03	0.0E+00	7.1E-03	7.1E-03	7.1E-03	7.1E-03	0.0E+00
CHILD	9.5E-03	9.5E-03	0.0E+00	9.5E-03	9.5E-03	9.5E-03	9.5E-03	0.0E+00
INFNT	2.7E-03	2.7E-03	0.0E+00	2.7E-03	2.7E-03	2.7E-03	2.7E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND	PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET	PATHWAY, DIST GP= 1, 1852. METERS WINDS TOWARD ENE							
ADULT	8.4E-04	8.4E-04	0.0E+00	8.4E-04	8.4E-04	8.4E-04	8.4E-04	0.0E+00
TEEN	9.6E-04	9.6E-04	0.0E+00	9.6E-04	9.6E-04	9.6E-04	9.6E-04	0.0E+00
CHILD	1.5E-03	1.5E-03	0.0E+00	1.5E-03	1.5E-03	1.5E-03	1.5E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 3862. METERS WINDS TOWARD ENE							
ADULT	4.2E-05	4.2E-05	0.0E+00	4.2E-05	4.2E-05	4.2E-05	4.2E-05	0.0E+00
TEEN	2.5E-05	2.5E-05	0.0E+00	2.5E-05	2.5E-05	2.5E-05	2.5E-05	0.0E+00
CHILD	3.0E-05	3.0E-05	0.0E+00	3.0E-05	3.0E-05	3.0E-05	3.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE							
ADULT	9.0E-05	9.0E-05	0.0E+00	9.0E-05	9.0E-05	9.0E-05	9.0E-05	0.0E+00
TEEN	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
CHILD	1.9E-04	1.9E-04	0.0E+00	1.9E-04	1.9E-04	1.9E-04	1.9E-04	0.0E+00
INFNT	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE							
ADULT	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
TEEN	2.4E-04	2.4E-04	0.0E+00	2.4E-04	2.4E-04	2.4E-04	2.4E-04	0.0E+00
CHILD	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
INFNT	5.8E-04	5.8E-04	0.0E+00	5.8E-04	5.8E-04	5.8E-04	5.8E-04	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE							
ADULT	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
TEEN	5.1E-04	5.1E-04	0.0E+00	5.1E-04	5.1E-04	5.1E-04	5.1E-04	0.0E+00
CHILD	4.5E-04	4.5E-04	0.0E+00	4.5E-04	4.5E-04	4.5E-04	4.5E-04	0.0E+00
INFNT	2.6E-04	2.6E-04	0.0E+00	2.6E-04	2.6E-04	2.6E-04	2.6E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00
TEEN	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
CHILD	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TOTALS								
ADULT	1.7E-03	1.7E-03	0.0E+00	1.7E-03	1.7E-03	1.7E-03	1.7E-03	0.0E+00
TEEN	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
CHILD	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1705. METERS WINDS TOWARD E								
ADULT	1.1E-03	1.1E-03	0.0E+00	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
TEEN	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
CHILD	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS WINDS TOWARD E								
ADULT	2.2E-05	2.2E-05	0.0E+00	2.2E-05	2.2E-05	2.2E-05	2.2E-05	0.0E+00
TEEN	1.3E-05	1.3E-05	0.0E+00	1.3E-05	1.3E-05	1.3E-05	1.3E-05	0.0E+00
CHILD	1.6E-05	1.6E-05	0.0E+00	1.6E-05	1.6E-05	1.6E-05	1.6E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	1.0E-04	1.0E-04	0.0E+00	1.0E-04	1.0E-04	1.0E-04	1.0E-04	0.0E+00
TEEN	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
CHILD	2.1E-04	2.1E-04	0.0E+00	2.1E-04	2.1E-04	2.1E-04	2.1E-04	0.0E+00
INFNT	3.2E-04	3.2E-04	0.0E+00	3.2E-04	3.2E-04	3.2E-04	3.2E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E								
ADULT	2.1E-04	2.1E-04	0.0E+00	2.1E-04	2.1E-04	2.1E-04	2.1E-04	0.0E+00
TEEN	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
CHILD	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
INFNT	6.6E-04	6.6E-04	0.0E+00	6.6E-04	6.6E-04	6.6E-04	6.6E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E								
ADULT	5.9E-04	5.9E-04	0.0E+00	5.9E-04	5.9E-04	5.9E-04	5.9E-04	0.0E+00
TEEN	6.0E-04	6.0E-04	0.0E+00	6.0E-04	6.0E-04	6.0E-04	6.0E-04	0.0E+00
CHILD	5.3E-04	5.3E-04	0.0E+00	5.3E-04	5.3E-04	5.3E-04	5.3E-04	0.0E+00
INFNT	3.0E-04	3.0E-04	0.0E+00	3.0E-04	3.0E-04	3.0E-04	3.0E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TEEN	2.3E-03	2.3E-03	0.0E+00	2.3E-03	2.3E-03	2.3E-03	2.3E-03	0.0E+00
CHILD	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TOTALS								
ADULT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TEEN	2.3E-03	2.3E-03	0.0E+00	2.3E-03	2.3E-03	2.3E-03	2.3E-03	0.0E+00
CHILD	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
INFNT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1628. METERS WINDS TOWARD ESE							
ADULT	3.6E-04	3.6E-04	0.0E+00	3.6E-04	3.6E-04	3.6E-04	0.0E+00
TEEN	4.1E-04	4.1E-04	0.0E+00	4.1E-04	4.1E-04	4.1E-04	0.0E+00
CHILD	6.3E-04	6.3E-04	0.0E+00	6.3E-04	6.3E-04	6.3E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS WINDS TOWARD ESE							
ADULT	2.8E-05	2.8E-05	0.0E+00	2.8E-05	2.8E-05	2.8E-05	0.0E+00
TEEN	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	0.0E+00
CHILD	2.0E-05	2.0E-05	0.0E+00	2.0E-05	2.0E-05	2.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	3.1E-05	3.1E-05	0.0E+00	3.1E-05	3.1E-05	3.1E-05	0.0E+00
TEEN	4.0E-05	4.0E-05	0.0E+00	4.0E-05	4.0E-05	4.0E-05	0.0E+00
CHILD	6.3E-05	6.3E-05	0.0E+00	6.3E-05	6.3E-05	6.3E-05	0.0E+00
INFNT	9.6E-05	9.6E-05	0.0E+00	9.6E-05	9.6E-05	9.6E-05	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	6.3E-05	6.3E-05	0.0E+00	6.3E-05	6.3E-05	6.3E-05	0.0E+00
TEEN	8.2E-05	8.2E-05	0.0E+00	8.2E-05	8.2E-05	8.2E-05	0.0E+00
CHILD	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	0.0E+00
INFNT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
TEEN	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	0.0E+00
CHILD	1.7E-04	1.7E-04	0.0E+00	1.7E-04	1.7E-04	1.7E-04	0.0E+00
INFNT	1.0E-04	1.0E-04	0.0E+00	1.0E-04	1.0E-04	1.0E-04	0.0E+00
SUBTOTALS (NO PLUME)							
ADULT	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	0.0E+00
TEEN	7.4E-04	7.4E-04	0.0E+00	7.4E-04	7.4E-04	7.4E-04	0.0E+00
CHILD	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	0.0E+00
INFNT	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	0.0E+00
TOTALS							
ADULT	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	0.0E+00
TEEN	7.4E-04	7.4E-04	0.0E+00	7.4E-04	7.4E-04	7.4E-04	0.0E+00
CHILD	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	0.0E+00
INFNT	3.9E-04	3.9E-04	0.0E+00	3.9E-04	3.9E-04	3.9E-04	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 914. METERS WINDS TOWARD SE								
ADULT	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS WINDS TOWARD SE								
ADULT	1.7E-05	1.7E-05	0.0E+00	1.7E-05	1.7E-05	1.7E-05	1.7E-05	0.0E+00
TEEN	1.0E-05	1.0E-05	0.0E+00	1.0E-05	1.0E-05	1.0E-05	1.0E-05	0.0E+00
CHILD	1.2E-05	1.2E-05	0.0E+00	1.2E-05	1.2E-05	1.2E-05	1.2E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	4.4E-05	4.4E-05	0.0E+00	4.4E-05	4.4E-05	4.4E-05	4.4E-05	0.0E+00
TEEN	5.7E-05	5.7E-05	0.0E+00	5.7E-05	5.7E-05	5.7E-05	5.7E-05	0.0E+00
CHILD	9.1E-05	9.1E-05	0.0E+00	9.1E-05	9.1E-05	9.1E-05	9.1E-05	0.0E+00
INFNT	1.4E-04	1.4E-04	0.0E+00	1.4E-04	1.4E-04	1.4E-04	1.4E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE								
ADULT	9.0E-05	9.0E-05	0.0E+00	9.0E-05	9.0E-05	9.0E-05	9.0E-05	0.0E+00
TEEN	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
CHILD	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
INFNT	2.8E-04	2.8E-04	0.0E+00	2.8E-04	2.8E-04	2.8E-04	2.8E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE								
ADULT	5.0E-04	5.0E-04	0.0E+00	5.0E-04	5.0E-04	5.0E-04	5.0E-04	0.0E+00
TEEN	5.0E-04	5.0E-04	0.0E+00	5.0E-04	5.0E-04	5.0E-04	5.0E-04	0.0E+00
CHILD	4.4E-04	4.4E-04	0.0E+00	4.4E-04	4.4E-04	4.4E-04	4.4E-04	0.0E+00
INFNT	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
TEEN	2.1E-03	2.1E-03	0.0E+00	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00
CHILD	2.9E-03	2.9E-03	0.0E+00	2.9E-03	2.9E-03	2.9E-03	2.9E-03	0.0E+00
INFNT	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	6.7E-04	0.0E+00
TOTALS								
ADULT	1.9E-03	1.9E-03	0.0E+00	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
TEEN	2.1E-03	2.1E-03	0.0E+00	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00
CHILD	2.9E-03	2.9E-03	0.0E+00	2.9E-03	2.9E-03	2.9E-03	2.9E-03	0.0E+00
INFNT	6.7E-04	6.7E-04	0.0E+00	6.7E-04	6.7E-04	6.7E-04	6.7E-04	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE								
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.4E-03	1.4E-03	0.0E+00	1.4E-03	1.4E-03	1.4E-03	1.4E-03	0.0E+00
CHILD	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE								
ADULT	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
TEEN	1.1E-04	1.1E-04	0.0E+00	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
CHILD	1.3E-04	1.3E-04	0.0E+00	1.3E-04	1.3E-04	1.3E-04	1.3E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE								
ADULT	5.7E-05	5.7E-05	0.0E+00	5.7E-05	5.7E-05	5.7E-05	5.7E-05	0.0E+00
TEEN	7.5E-05	7.5E-05	0.0E+00	7.5E-05	7.5E-05	7.5E-05	7.5E-05	0.0E+00
CHILD	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
INFNT	1.8E-04	1.8E-04	0.0E+00	1.8E-04	1.8E-04	1.8E-04	1.8E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE								
ADULT	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
TEEN	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
CHILD	2.4E-04	2.4E-04	0.0E+00	2.4E-04	2.4E-04	2.4E-04	2.4E-04	0.0E+00
INFNT	3.7E-04	3.7E-04	0.0E+00	3.7E-04	3.7E-04	3.7E-04	3.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE								
ADULT	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
TEEN	4.3E-04	4.3E-04	0.0E+00	4.3E-04	4.3E-04	4.3E-04	4.3E-04	0.0E+00
CHILD	3.8E-04	3.8E-04	0.0E+00	3.8E-04	3.8E-04	3.8E-04	3.8E-04	0.0E+00
INFNT	2.2E-04	2.2E-04	0.0E+00	2.2E-04	2.2E-04	2.2E-04	2.2E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TEEN	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
CHILD	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
INFNT	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00
TOTALS								
ADULT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TEEN	2.2E-03	2.2E-03	0.0E+00	2.2E-03	2.2E-03	2.2E-03	2.2E-03	0.0E+00
CHILD	3.1E-03	3.1E-03	0.0E+00	3.1E-03	3.1E-03	3.1E-03	3.1E-03	0.0E+00
INFNT	7.7E-04	7.7E-04	0.0E+00	7.7E-04	7.7E-04	7.7E-04	7.7E-04	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET PATHWAY, DIST GP= 1, 863. METERS WINDS TOWARD S								
ADULT	4.7E-03	4.7E-03	0.0E+00	4.7E-03	4.7E-03	4.7E-03	4.7E-03	0.0E+00
TEEN	5.3E-03	5.3E-03	0.0E+00	5.3E-03	5.3E-03	5.3E-03	5.3E-03	0.0E+00
CHILD	8.3E-03	8.3E-03	0.0E+00	8.3E-03	8.3E-03	8.3E-03	8.3E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS WINDS TOWARD S								
ADULT	3.5E-05	3.5E-05	0.0E+00	3.5E-05	3.5E-05	3.5E-05	3.5E-05	0.0E+00
TEEN	2.1E-05	2.1E-05	0.0E+00	2.1E-05	2.1E-05	2.1E-05	2.1E-05	0.0E+00
CHILD	2.5E-05	2.5E-05	0.0E+00	2.5E-05	2.5E-05	2.5E-05	2.5E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	1.5E-04	1.5E-04	0.0E+00	1.5E-04	1.5E-04	1.5E-04	1.5E-04	0.0E+00
TEEN	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	2.0E-04	0.0E+00
CHILD	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	3.1E-04	0.0E+00
INFNT	4.7E-04	4.7E-04	0.0E+00	4.7E-04	4.7E-04	4.7E-04	4.7E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S								
ADULT	3.1E-04	3.1E-04	0.0E+00	3.1E-04	3.1E-04	3.1E-04	3.1E-04	0.0E+00
TEEN	4.0E-04	4.0E-04	0.0E+00	4.0E-04	4.0E-04	4.0E-04	4.0E-04	0.0E+00
CHILD	6.4E-04	6.4E-04	0.0E+00	6.4E-04	6.4E-04	6.4E-04	6.4E-04	0.0E+00
INFNT	9.7E-04	9.7E-04	0.0E+00	9.7E-04	9.7E-04	9.7E-04	9.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S								
ADULT	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
TEEN	2.0E-03	2.0E-03	0.0E+00	2.0E-03	2.0E-03	2.0E-03	2.0E-03	0.0E+00
CHILD	1.8E-03	1.8E-03	0.0E+00	1.8E-03	1.8E-03	1.8E-03	1.8E-03	0.0E+00
INFNT	1.0E-03	1.0E-03	0.0E+00	1.0E-03	1.0E-03	1.0E-03	1.0E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	7.2E-03	7.2E-03	0.0E+00	7.2E-03	7.2E-03	7.2E-03	7.2E-03	0.0E+00
TEEN	8.0E-03	8.0E-03	0.0E+00	8.0E-03	8.0E-03	8.0E-03	8.0E-03	0.0E+00
CHILD	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
INFNT	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00
TOTALS								
ADULT	7.2E-03	7.2E-03	0.0E+00	7.2E-03	7.2E-03	7.2E-03	7.2E-03	0.0E+00
TEEN	8.0E-03	8.0E-03	0.0E+00	8.0E-03	8.0E-03	8.0E-03	8.0E-03	0.0E+00
CHILD	1.1E-02	1.1E-02	0.0E+00	1.1E-02	1.1E-02	1.1E-02	1.1E-02	0.0E+00
INFNT	2.5E-03	2.5E-03	0.0E+00	2.5E-03	2.5E-03	2.5E-03	2.5E-03	0.0E+00

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 99 7 1 1 THRU 99 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND	PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
VEGET	PATHWAY, DIST GP= 1, 770. METERS WINDS TOWARD SSW							
ADULT	3.2E-03	3.2E-03	0.0E+00	3.2E-03	3.2E-03	3.2E-03	3.2E-03	0.0E+00
TEEN	3.7E-03	3.7E-03	0.0E+00	3.7E-03	3.7E-03	3.7E-03	3.7E-03	0.0E+00
CHILD	5.7E-03	5.7E-03	0.0E+00	5.7E-03	5.7E-03	5.7E-03	5.7E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD SSW							
ADULT	1.5E-05	1.5E-05	0.0E+00	1.5E-05	1.5E-05	1.5E-05	1.5E-05	0.0E+00
TEEN	9.0E-06	9.0E-06	0.0E+00	9.0E-06	9.0E-06	9.0E-06	9.0E-06	0.0E+00
CHILD	1.1E-05	1.1E-05	0.0E+00	1.1E-05	1.1E-05	1.1E-05	1.1E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW							
ADULT	9.6E-05	9.6E-05	0.0E+00	9.6E-05	9.6E-05	9.6E-05	9.6E-05	0.0E+00
TEEN	1.2E-04	1.2E-04	0.0E+00	1.2E-04	1.2E-04	1.2E-04	1.2E-04	0.0E+00
CHILD	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	2.0E-04	0.0E+00
INFNT	3.0E-04	3.0E-04	0.0E+00	3.0E-04	3.0E-04	3.0E-04	3.0E-04	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW							
ADULT	2.0E-04	2.0E-04	0.0E+00	2.0E-04	2.0E-04	2.0E-04	2.0E-04	0.0E+00
TEEN	2.5E-04	2.5E-04	0.0E+00	2.5E-04	2.5E-04	2.5E-04	2.5E-04	0.0E+00
CHILD	4.0E-04	4.0E-04	0.0E+00	4.0E-04	4.0E-04	4.0E-04	4.0E-04	0.0E+00
INFNT	6.1E-04	6.1E-04	0.0E+00	6.1E-04	6.1E-04	6.1E-04	6.1E-04	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW							
ADULT	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
TEEN	1.3E-03	1.3E-03	0.0E+00	1.3E-03	1.3E-03	1.3E-03	1.3E-03	0.0E+00
CHILD	1.2E-03	1.2E-03	0.0E+00	1.2E-03	1.2E-03	1.2E-03	1.2E-03	0.0E+00
INFNT	6.8E-04	6.8E-04	0.0E+00	6.8E-04	6.8E-04	6.8E-04	6.8E-04	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.9E-03	4.9E-03	0.0E+00	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
TEEN	5.4E-03	5.4E-03	0.0E+00	5.4E-03	5.4E-03	5.4E-03	5.4E-03	0.0E+00
CHILD	7.5E-03	7.5E-03	0.0E+00	7.5E-03	7.5E-03	7.5E-03	7.5E-03	0.0E+00
INFNT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00
TOTALS								
ADULT	4.9E-03	4.9E-03	0.0E+00	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
TEEN	5.4E-03	5.4E-03	0.0E+00	5.4E-03	5.4E-03	5.4E-03	5.4E-03	0.0E+00
CHILD	7.5E-03	7.5E-03	0.0E+00	7.5E-03	7.5E-03	7.5E-03	7.5E-03	0.0E+00
INFNT	1.6E-03	1.6E-03	0.0E+00	1.6E-03	1.6E-03	1.6E-03	1.6E-03	0.0E+00

Information	12-THP-6010.RPP.601	Rev. 3a	Page 49 of 51
PREPARATION of the ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT			
Data Sheet 9	Summary of Maximum Individual Doses		Page: 49

4th _____ Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (mrem)	AGE GROUP	LOCATION DIST DIR (M) (Toward)	% OF APPLICABLE LIMIT	LIMIT (mrem) QTR
Liquid	Total Body	1.97E-02	Adult	Receptor 1	1.31E+00	1.5E+0
Liquid	Liver	3.07E-02	Teen	Receptor 1	6.14E-01	5.0E+0
Noble Gas	Air Dose (Gamma-mrad)	3.79E-08		629 SSW	7.58E-07	5.0E+0
Noble Gas	Air dose (Beta-mrad)	4.30E-06		629 SSW	4.30E-05	1.0E+1
Iodines and Particulates	Liver	1.11E-02	Child	659 N	1.48E-01	7.5E+0

START DATE 9910 1 1 END DATE 99123124

BONE LIVER T.BODY THYRD KIDNEY LUNG GI-LLI SKIN

WATER

ADULT	1.9E-04	1.7E-03	1.7E-03	1.4E-03	1.5E-03	1.5E-03	2.4E-03	0.0E+00
TEEN	1.8E-04	1.3E-03	1.2E-03	1.0E-03	1.1E-03	1.1E-03	1.6E-03	0.0E+00
CHILD	5.4E-04	2.5E-03	2.3E-03	1.9E-03	2.1E-03	2.0E-03	2.4E-03	0.0E+00
INFANT	5.1E-04	2.5E-03	2.2E-03	1.9E-03	2.0E-03	2.0E-03	2.2E-03	0.0E+00

SHORE

ADULT	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.7E-04
TEEN	1.8E-03	1.8E-03	1.8E-03	1.8E-03	1.8E-03	1.8E-03	1.8E-03	2.1E-03
CHILD	3.7E-04	3.7E-04	3.7E-04	3.7E-04	3.7E-04	3.7E-04	3.7E-04	4.3E-04
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

FW SPT FISH

ADULT	1.9E-02	2.7E-02	1.8E-02	9.7E-05	8.9E-03	3.2E-03	4.3E-03	0.0E+00
TEEN	2.0E-02	2.8E-02	1.0E-02	7.4E-05	9.3E-03	3.8E-03	3.0E-03	0.0E+00
CHILD	2.6E-02	2.5E-02	4.3E-03	6.1E-05	8.0E-03	3.1E-03	1.1E-03	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

TOTAL

ADULT	2.0E-02	2.9E-02	2.0E-02	1.8E-03	1.1E-02	5.0E-03	6.9E-03	3.7E-04
TEEN	2.2E-02	3.1E-02	1.3E-02	2.9E-03	1.2E-02	6.7E-03	6.4E-03	2.1E-03
CHILD	2.7E-02	2.8E-02	6.9E-03	2.4E-03	1.0E-02	5.5E-03	3.9E-03	4.3E-04
INFANT	5.1E-04	2.5E-03	2.2E-03	1.9E-03	2.0E-03	2.0E-03	2.2E-03	0.0E+00

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 9910 1 1 0 TO 99123124 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N				
1.5292E-08	1.7693E-09	7.7767E-10	4.4048E-10	2.9687E-10
1.3578E-10	4.5992E-11	2.0943E-11	1.2569E-11	7.1362E-12
**DIRECTION FROM NNE				
4.1436E-08	4.7942E-09	2.1072E-09	1.1936E-09	8.0443E-10
3.6791E-10	1.2462E-10	5.6749E-11	3.4058E-11	1.9337E-11
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
4.0141E-08	4.6444E-09	2.0414E-09	1.1563E-09	7.7930E-10
3.5641E-10	1.2073E-10	5.4976E-11	3.2994E-11	1.8732E-11
**DIRECTION FROM E				
5.3522E-08	6.1926E-09	2.7218E-09	1.5417E-09	1.0391E-09
4.7521E-10	1.6097E-10	7.3301E-11	4.3991E-11	2.4977E-11
**DIRECTION FROM ESE				
4.4294E-08	5.1249E-09	2.2526E-09	1.2759E-09	8.5991E-10
3.9328E-10	1.3322E-10	6.0663E-11	3.6407E-11	2.0670E-11
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
8.5635E-09	9.9081E-10	4.3549E-10	2.4667E-10	1.6625E-10
7.6034E-11	2.5756E-11	1.1728E-11	7.0386E-12	3.9963E-12
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
1.9625E-08	2.2706E-09	9.9801E-10	5.6528E-10	3.8099E-10
1.7424E-10	5.9023E-11	2.6877E-11	1.6130E-11	9.1581E-12
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 9910 1 1 0 TO 99123124 0
DOSE ACCUMULATION FOR GAMMA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 9910 1 1 0 TO 99123124 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 1

**DIRECTION FROM N				
1.7340E-06	2.0063E-07	8.8183E-08	4.9948E-08	3.3664E-08
1.5396E-08	5.2152E-09	2.3748E-09	1.4253E-09	8.0920E-10
**DIRECTION FROM NNE				
4.6986E-06	5.4364E-07	2.3895E-07	1.3534E-07	9.1218E-08
4.1719E-08	1.4132E-08	6.4351E-09	3.8620E-09	2.1927E-09
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
4.5518E-06	5.2665E-07	2.3148E-07	1.3111E-07	8.8368E-08
4.0415E-08	1.3690E-08	6.2340E-09	3.7413E-09	2.1242E-09
**DIRECTION FROM E				
6.0691E-06	7.0220E-07	3.0864E-07	1.7482E-07	1.1782E-07
5.3886E-08	1.8253E-08	8.3120E-09	4.9884E-09	2.8322E-09
**DIRECTION FROM ESE				
5.0227E-06	5.8113E-07	2.5543E-07	1.4468E-07	9.7509E-08
4.4596E-08	1.5106E-08	6.8789E-09	4.1283E-09	2.3439E-09
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
9.7105E-07	1.1235E-07	4.9383E-08	2.7971E-08	1.8852E-08
8.6218E-09	2.9205E-09	1.3299E-09	7.9814E-10	4.5315E-10
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
2.2253E-06	2.5747E-07	1.1317E-07	6.4100E-08	4.3202E-08
1.9758E-08	6.6929E-09	3.0477E-09	1.8291E-09	1.0385E-09
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 9910 1 1 0 TO 99123124 0
DOSE ACCUMULATION FOR BETA MRAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0 2416.0 4020.0 5630.0 7240.0
12067.0 24135.0 40225.0 56315.0 80500.0

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT

FOR DATES 9910 1 1 THRU 99123124

T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N
 ADULT 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 1.3E-08 5.7E-07
 TEEN 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 1.3E-08 5.7E-07
 CHILD 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 1.3E-08 5.7E-07
 INFNT 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 4.7E-09 1.3E-08 5.7E-07

GROUND PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N
 ADULT 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 7.2E-06
 TEEN 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 7.2E-06
 CHILD 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 7.2E-06
 INFNT 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 6.1E-06 7.2E-06

VEGET PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N
 ADULT 2.6E-04 2.6E-04 4.8E-08 2.6E-04 2.6E-04 2.6E-04 2.6E-04 0.0E+00
 TEEN 2.9E-04 2.9E-04 7.6E-08 2.9E-04 2.9E-04 2.9E-04 2.9E-04 0.0E+00
 CHILD 4.5E-04 4.5E-04 1.8E-07 4.5E-04 4.5E-04 4.5E-04 4.5E-04 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD N
 ADULT 3.7E-05 3.7E-05 4.7E-09 3.7E-05 3.7E-05 3.7E-05 3.7E-05 0.0E+00
 TEEN 2.2E-05 2.2E-05 3.9E-09 2.2E-05 2.2E-05 2.2E-05 2.2E-05 0.0E+00
 CHILD 2.7E-05 2.7E-05 7.2E-09 2.7E-05 2.7E-05 2.7E-05 2.7E-05 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N
 ADULT 2.2E-04 2.2E-04 1.4E-07 2.2E-04 2.2E-04 2.2E-04 2.2E-04 0.0E+00
 TEEN 2.9E-04 2.9E-04 2.5E-07 2.9E-04 2.9E-04 2.9E-04 2.9E-04 0.0E+00
 CHILD 4.6E-04 4.6E-04 6.0E-07 4.6E-04 4.6E-04 4.6E-04 4.6E-04 0.0E+00
 INFNT 7.0E-04 7.0E-04 9.6E-07 7.0E-04 7.0E-04 7.0E-04 7.0E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD N
 ADULT 4.6E-04 4.6E-04 4.2E-07 4.6E-04 4.6E-04 4.6E-04 4.6E-04 0.0E+00
 TEEN 5.9E-04 5.9E-04 7.5E-07 6.0E-04 5.9E-04 5.9E-04 5.9E-04 0.0E+00
 CHILD 9.3E-04 9.3E-04 1.8E-06 9.4E-04 9.3E-04 9.3E-04 9.3E-04 0.0E+00
 INFNT 1.4E-03 1.4E-03 2.9E-06 1.4E-03 1.4E-03 1.4E-03 1.4E-03 0.0E+00

INHAL PATHWAY, DIST GP= 1, 659. METERS WINDS TOWARD N
 ADULT 5.7E-03 5.7E-03 6.5E-08 5.7E-03 5.7E-03 5.7E-03 5.7E-03 0.0E+00
 TEEN 5.7E-03 5.7E-03 9.1E-08 5.7E-03 5.7E-03 5.7E-03 5.7E-03 0.0E+00
 CHILD 5.1E-03 5.1E-03 1.2E-07 5.1E-03 5.1E-03 5.1E-03 5.1E-03 0.0E+00
 INFNT 2.9E-03 2.9E-03 7.4E-08 2.9E-03 2.9E-03 2.9E-03 2.9E-03 0.0E+00

SUBTOTALS (NO PLUME)
 ADULT 6.7E-03 6.7E-03 6.8E-06 6.7E-03 6.7E-03 6.7E-03 6.7E-03 7.2E-06
 TEEN 6.9E-03 6.9E-03 7.3E-06 6.9E-03 6.9E-03 6.9E-03 6.9E-03 7.2E-06
 CHILD 6.9E-03 6.9E-03 8.8E-06 6.9E-03 6.9E-03 6.9E-03 6.9E-03 7.2E-06
 INFNT 5.0E-03 5.0E-03 1.0E-05 5.0E-03 5.0E-03 5.0E-03 5.0E-03 7.2E-06

TOTALS
 ADULT 6.7E-03 6.7E-03 6.8E-06 6.7E-03 6.7E-03 6.7E-03 6.7E-03 7.7E-06
 TEEN 6.9E-03 6.9E-03 7.3E-06 6.9E-03 6.9E-03 6.9E-03 6.9E-03 7.7E-06
 CHILD 6.9E-03 6.9E-03 8.8E-06 6.9E-03 6.9E-03 6.9E-03 6.9E-03 7.7E-06
 INFNT 5.0E-03 5.0E-03 1.0E-05 5.0E-03 5.0E-03 5.0E-03 5.0E-03 7.7E-06

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 9910 1 1 THRU 99123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.0E-06
TEEN	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.0E-06
CHILD	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.0E-06
INFNT	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.0E-06
VEGET PATHWAY, DIST GP= 1, 814. METERS WINDS TOWARD NNE								
ADULT	2.8E-03	2.8E-03	1.3E-06	2.8E-03	2.8E-03	2.8E-03	2.8E-03	0.0E+00
TEEN	3.2E-03	3.2E-03	2.1E-06	3.2E-03	3.2E-03	3.2E-03	3.2E-03	0.0E+00
CHILD	4.9E-03	4.9E-03	4.9E-06	4.9E-03	4.9E-03	4.9E-03	4.9E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NNE								
ADULT	1.3E-05	1.3E-05	2.9E-09	1.3E-05	1.3E-05	1.3E-05	1.3E-05	0.0E+00
TEEN	7.9E-06	7.9E-06	2.4E-09	7.9E-06	7.9E-06	7.9E-06	7.9E-06	0.0E+00
CHILD	9.5E-06	9.5E-06	4.4E-09	9.5E-06	9.5E-06	9.5E-06	9.5E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	8.2E-05	8.2E-05	7.8E-08	8.2E-05	8.2E-05	8.2E-05	8.2E-05	0.0E+00
TEEN	1.1E-04	1.1E-04	1.4E-07	1.1E-04	1.1E-04	1.1E-04	1.1E-04	0.0E+00
CHILD	1.7E-04	1.7E-04	3.4E-07	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
INFNT	2.5E-04	2.5E-04	5.4E-07	2.6E-04	2.6E-04	2.5E-04	2.6E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NNE								
ADULT	1.7E-04	1.7E-04	2.3E-07	1.7E-04	1.7E-04	1.7E-04	1.7E-04	0.0E+00
TEEN	2.2E-04	2.2E-04	4.3E-07	2.2E-04	2.2E-04	2.2E-04	2.2E-04	0.0E+00
CHILD	3.4E-04	3.4E-04	1.0E-06	3.4E-04	3.4E-04	3.4E-04	3.4E-04	0.0E+00
INFNT	5.2E-04	5.2E-04	1.6E-06	5.2E-04	5.2E-04	5.2E-04	5.2E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 660. METERS WINDS TOWARD NNE								
ADULT	2.1E-03	2.1E-03	1.6E-08	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00
TEEN	2.1E-03	2.1E-03	2.2E-08	2.1E-03	2.1E-03	2.1E-03	2.1E-03	0.0E+00
CHILD	1.9E-03	1.9E-03	3.0E-08	1.9E-03	1.9E-03	1.9E-03	1.9E-03	0.0E+00
INFNT	1.1E-03	1.1E-03	1.8E-08	1.1E-03	1.1E-03	1.1E-03	1.1E-03	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.2E-03	5.2E-03	5.1E-06	5.2E-03	5.2E-03	5.2E-03	5.2E-03	4.0E-06
TEEN	5.7E-03	5.7E-03	6.1E-06	5.7E-03	5.7E-03	5.7E-03	5.7E-03	4.0E-06
CHILD	7.3E-03	7.3E-03	9.7E-06	7.3E-03	7.3E-03	7.3E-03	7.3E-03	4.0E-06
INFNT	1.9E-03	1.9E-03	5.6E-06	1.9E-03	1.9E-03	1.9E-03	1.9E-03	4.0E-06
TOTALS								
ADULT	5.2E-03	5.2E-03	5.1E-06	5.2E-03	5.2E-03	5.2E-03	5.2E-03	4.0E-06
TEEN	5.7E-03	5.7E-03	6.1E-06	5.7E-03	5.7E-03	5.7E-03	5.7E-03	4.0E-06
CHILD	7.3E-03	7.3E-03	9.7E-06	7.3E-03	7.3E-03	7.3E-03	7.3E-03	4.0E-06
INFNT	1.9E-03	1.9E-03	5.6E-06	1.9E-03	1.9E-03	1.9E-03	1.9E-03	4.0E-06

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124

T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE							
ADULT	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	1.7E-08	7.5E-07
TEEN	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	1.7E-08	7.5E-07
CHILD	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	1.7E-08	7.5E-07
INFNT	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	1.7E-08	7.5E-07
GROUND PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE							
ADULT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
TEEN	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
CHILD	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
INFNT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
VEGET PATHWAY, DIST GP= 1, 1052. METERS WINDS TOWARD NE							
ADULT	1.4E-03	1.4E-03	6.1E-07	1.4E-03	1.4E-03	1.4E-03	0.0E+00
TEEN	1.6E-03	1.6E-03	9.7E-07	1.6E-03	1.6E-03	1.6E-03	0.0E+00
CHILD	2.4E-03	2.4E-03	2.3E-06	2.4E-03	2.4E-03	2.4E-03	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS WINDS TOWARD NE							
ADULT	9.8E-06	9.8E-06	2.1E-09	9.8E-06	9.8E-06	9.8E-06	0.0E+00
TEEN	5.9E-06	5.9E-06	1.7E-09	5.9E-06	5.9E-06	5.9E-06	0.0E+00
CHILD	7.1E-06	7.1E-06	3.2E-09	7.1E-06	7.1E-06	7.1E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE							
ADULT	5.9E-05	5.9E-05	5.7E-08	5.9E-05	5.9E-05	5.9E-05	0.0E+00
TEEN	7.7E-05	7.7E-05	1.0E-07	7.7E-05	7.7E-05	7.7E-05	0.0E+00
CHILD	1.2E-04	1.2E-04	2.5E-07	1.2E-04	1.2E-04	1.2E-04	0.0E+00
INFNT	1.8E-04	1.8E-04	3.9E-07	1.8E-04	1.8E-04	1.8E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD NE							
ADULT	1.2E-04	1.2E-04	1.7E-07	1.2E-04	1.2E-04	1.2E-04	0.0E+00
TEEN	1.6E-04	1.6E-04	3.1E-07	1.6E-04	1.6E-04	1.6E-04	0.0E+00
CHILD	2.5E-04	2.5E-04	7.4E-07	2.5E-04	2.5E-04	2.5E-04	0.0E+00
INFNT	3.8E-04	3.8E-04	1.2E-06	3.8E-04	3.8E-04	3.8E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 943. METERS WINDS TOWARD NE							
ADULT	9.0E-04	9.0E-04	8.2E-09	9.0E-04	9.0E-04	9.0E-04	0.0E+00
TEEN	9.0E-04	9.0E-04	1.1E-08	9.0E-04	9.0E-04	9.0E-04	0.0E+00
CHILD	8.0E-04	8.0E-04	1.5E-08	8.0E-04	8.0E-04	8.0E-04	0.0E+00
INFNT	4.6E-04	4.6E-04	9.4E-09	4.6E-04	4.6E-04	4.6E-04	0.0E+00
SUBTOTALS (NO PLUME)							
ADULT	2.5E-03	2.5E-03	2.2E-06	2.5E-03	2.5E-03	2.5E-03	1.6E-06
TEEN	2.7E-03	2.7E-03	2.8E-06	2.7E-03	2.7E-03	2.7E-03	1.6E-06
CHILD	3.6E-03	3.6E-03	4.7E-06	3.6E-03	3.6E-03	3.6E-03	1.6E-06
INFNT	1.0E-03	1.0E-03	3.0E-06	1.0E-03	1.0E-03	1.0E-03	1.6E-06
TOTALS							
ADULT	2.5E-03	2.5E-03	2.2E-06	2.5E-03	2.5E-03	2.5E-03	2.4E-06
TEEN	2.7E-03	2.7E-03	2.8E-06	2.7E-03	2.7E-03	2.7E-03	2.4E-06
CHILD	3.6E-03	3.6E-03	4.7E-06	3.6E-03	3.6E-03	3.6E-03	2.4E-06
INFNT	1.0E-03	1.0E-03	3.0E-06	1.0E-03	1.0E-03	1.0E-03	2.4E-06

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124

T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE
 ADULT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 TEEN 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 CHILD 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

GROUND PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE
 ADULT 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 3.1E-07
 TEEN 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 3.1E-07
 CHILD 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 3.1E-07
 INFNT 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 2.6E-07 3.1E-07

VEGET PATHWAY, DIST GP= 1, 1852. METERS WINDS TOWARD ENE
 ADULT 3.3E-04 3.3E-04 1.3E-07 3.3E-04 3.3E-04 3.3E-04 3.3E-04 0.0E+00
 TEEN 3.7E-04 3.7E-04 2.0E-07 3.7E-04 3.7E-04 3.7E-04 3.7E-04 0.0E+00
 CHILD 5.8E-04 5.8E-04 4.8E-07 5.8E-04 5.8E-04 5.8E-04 5.8E-04 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 3862. METERS WINDS TOWARD ENE
 ADULT 1.5E-05 1.5E-05 3.9E-09 1.5E-05 1.5E-05 1.5E-05 1.5E-05 0.0E+00
 TEEN 9.0E-06 9.0E-06 3.2E-09 9.0E-06 9.0E-06 9.0E-06 9.0E-06 0.0E+00
 CHILD 1.1E-05 1.1E-05 6.0E-09 1.1E-05 1.1E-05 1.1E-05 1.1E-05 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE
 ADULT 3.2E-05 3.2E-05 3.0E-08 3.2E-05 3.2E-05 3.2E-05 3.2E-05 0.0E+00
 TEEN 4.2E-05 4.2E-05 5.5E-08 4.2E-05 4.2E-05 4.2E-05 4.2E-05 0.0E+00
 CHILD 6.7E-05 6.7E-05 1.3E-07 6.7E-05 6.7E-05 6.7E-05 6.7E-05 0.0E+00
 INFNT 1.0E-04 1.0E-04 2.1E-07 1.0E-04 1.0E-04 1.0E-04 1.0E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ENE
 ADULT 6.6E-05 6.6E-05 9.0E-08 6.6E-05 6.6E-05 6.6E-05 6.6E-05 0.0E+00
 TEEN 8.6E-05 8.6E-05 1.6E-07 8.6E-05 8.6E-05 8.6E-05 8.6E-05 0.0E+00
 CHILD 1.4E-04 1.4E-04 3.9E-07 1.4E-04 1.4E-04 1.4E-04 1.4E-04 0.0E+00
 INFNT 2.1E-04 2.1E-04 6.3E-07 2.1E-04 2.1E-04 2.1E-04 2.1E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 1747. METERS WINDS TOWARD ENE
 ADULT 2.0E-04 2.0E-04 1.3E-09 2.0E-04 2.0E-04 2.0E-04 2.0E-04 0.0E+00
 TEEN 2.0E-04 2.0E-04 1.8E-09 2.0E-04 2.0E-04 2.0E-04 2.0E-04 0.0E+00
 CHILD 1.8E-04 1.8E-04 2.4E-09 1.8E-04 1.8E-04 1.8E-04 1.8E-04 0.0E+00
 INFNT 1.0E-04 1.0E-04 1.5E-09 1.0E-04 1.0E-04 1.0E-04 1.0E-04 0.0E+00

SUBTOTALS (NO PLUME)
 ADULT 6.4E-04 6.4E-04 5.2E-07 6.4E-04 6.4E-04 6.4E-04 6.4E-04 3.1E-07
 TEEN 7.1E-04 7.1E-04 6.9E-07 7.1E-04 7.1E-04 7.1E-04 7.1E-04 3.1E-07
 CHILD 9.7E-04 9.7E-04 1.3E-06 9.7E-04 9.7E-04 9.7E-04 9.7E-04 3.1E-07
 INFNT 4.1E-04 4.1E-04 1.1E-06 4.1E-04 4.1E-04 4.1E-04 4.1E-04 3.1E-07

TOTALS
 ADULT 6.4E-04 6.4E-04 5.2E-07 6.4E-04 6.4E-04 6.4E-04 6.4E-04 3.1E-07
 TEEN 7.1E-04 7.1E-04 6.9E-07 7.1E-04 7.1E-04 7.1E-04 7.1E-04 3.1E-07
 CHILD 9.7E-04 9.7E-04 1.3E-06 9.7E-04 9.7E-04 9.7E-04 9.7E-04 3.1E-07
 INFNT 4.1E-04 4.1E-04 1.1E-06 4.1E-04 4.1E-04 4.1E-04 4.1E-04 3.1E-07

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124
 T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E
 ADULT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 TEEN 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 CHILD 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

GROUND PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E
 ADULT 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.4E-07
 TEEN 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.4E-07
 CHILD 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.4E-07
 INFNT 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.1E-07 2.4E-07

VEGET PATHWAY, DIST GP= 1, 1705. METERS WINDS TOWARD E
 ADULT 4.3E-04 4.3E-04 1.1E-07 4.3E-04 4.3E-04 4.3E-04 4.3E-04 0.0E+00
 TEEN 4.9E-04 4.9E-04 1.8E-07 4.9E-04 4.9E-04 4.9E-04 4.9E-04 0.0E+00
 CHILD 7.6E-04 7.6E-04 4.2E-07 7.7E-04 7.6E-04 7.6E-04 7.6E-04 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 6810. METERS WINDS TOWARD E
 ADULT 7.4E-06 7.4E-06 1.0E-09 7.4E-06 7.4E-06 7.4E-06 7.4E-06 0.0E+00
 TEEN 4.4E-06 4.4E-06 8.6E-10 4.4E-06 4.4E-06 4.4E-06 4.4E-06 0.0E+00
 CHILD 5.3E-06 5.3E-06 1.6E-09 5.3E-06 5.3E-06 5.3E-06 5.3E-06 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E
 ADULT 3.8E-05 3.8E-05 2.3E-08 3.8E-05 3.8E-05 3.8E-05 3.8E-05 0.0E+00
 TEEN 5.0E-05 5.0E-05 4.2E-08 5.0E-05 5.0E-05 5.0E-05 5.0E-05 0.0E+00
 CHILD 7.9E-05 7.9E-05 1.0E-07 7.9E-05 7.9E-05 7.9E-05 7.9E-05 0.0E+00
 INFNT 1.2E-04 1.2E-04 1.6E-07 1.2E-04 1.2E-04 1.2E-04 1.2E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD E
 ADULT 7.8E-05 7.8E-05 6.9E-08 7.8E-05 7.8E-05 7.8E-05 7.8E-05 0.0E+00
 TEEN 1.0E-04 1.0E-04 1.2E-07 1.0E-04 1.0E-04 1.0E-04 1.0E-04 0.0E+00
 CHILD 1.6E-04 1.6E-04 3.0E-07 1.6E-04 1.6E-04 1.6E-04 1.6E-04 0.0E+00
 INFNT 2.4E-04 2.4E-04 4.8E-07 2.4E-04 2.4E-04 2.4E-04 2.4E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 1716. METERS WINDS TOWARD E
 ADULT 2.4E-04 2.4E-04 1.6E-09 2.4E-04 2.4E-04 2.4E-04 2.4E-04 0.0E+00
 TEEN 2.4E-04 2.4E-04 2.2E-09 2.4E-04 2.4E-04 2.4E-04 2.4E-04 0.0E+00
 CHILD 2.1E-04 2.1E-04 3.0E-09 2.1E-04 2.1E-04 2.1E-04 2.1E-04 0.0E+00
 INFNT 1.2E-04 1.2E-04 1.8E-09 1.2E-04 1.2E-04 1.2E-04 1.2E-04 0.0E+00

SUBTOTALS (NO PLUME)
 ADULT 7.9E-04 7.9E-04 4.1E-07 7.9E-04 7.9E-04 7.9E-04 7.9E-04 2.4E-07
 TEEN 8.9E-04 8.9E-04 5.5E-07 8.9E-04 8.9E-04 8.9E-04 8.9E-04 2.4E-07
 CHILD 1.2E-03 1.2E-03 1.0E-06 1.2E-03 1.2E-03 1.2E-03 1.2E-03 2.4E-07
 INFNT 4.8E-04 4.8E-04 8.4E-07 4.9E-04 4.8E-04 4.8E-04 4.8E-04 2.4E-07

TOTALS
 ADULT 7.9E-04 7.9E-04 4.1E-07 7.9E-04 7.9E-04 7.9E-04 7.9E-04 2.4E-07
 TEEN 8.9E-04 8.9E-04 5.5E-07 8.9E-04 8.9E-04 8.9E-04 8.9E-04 2.4E-07
 CHILD 1.2E-03 1.2E-03 1.0E-06 1.2E-03 1.2E-03 1.2E-03 1.2E-03 2.4E-07
 INFNT 4.8E-04 4.8E-04 8.4E-07 4.9E-04 4.8E-04 4.8E-04 4.8E-04 2.4E-07

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124

T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TEEN	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
CHILD	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
GROUND PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	5.2E-07
TEEN	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	5.2E-07
CHILD	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	5.2E-07
INFNT	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	5.2E-07
VEGET PATHWAY, DIST GP= 1, 1628. METERS WINDS TOWARD ESE							
ADULT	5.2E-04	5.2E-04	2.4E-07	5.2E-04	5.2E-04	5.2E-04	0.0E+00
TEEN	5.9E-04	5.9E-04	3.8E-07	5.9E-04	5.9E-04	5.9E-04	0.0E+00
CHILD	9.2E-04	9.2E-04	9.0E-07	9.2E-04	9.2E-04	9.1E-04	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS WINDS TOWARD ESE							
ADULT	4.0E-05	4.0E-05	1.2E-08	4.0E-05	4.0E-05	4.0E-05	0.0E+00
TEEN	2.4E-05	2.4E-05	1.0E-08	2.4E-05	2.4E-05	2.4E-05	0.0E+00
CHILD	2.9E-05	2.9E-05	1.9E-08	2.9E-05	2.9E-05	2.9E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	4.2E-05	4.2E-05	4.6E-08	4.2E-05	4.2E-05	4.2E-05	0.0E+00
TEEN	5.5E-05	5.5E-05	8.3E-08	5.5E-05	5.5E-05	5.5E-05	0.0E+00
CHILD	8.6E-05	8.6E-05	2.0E-07	8.7E-05	8.6E-05	8.6E-05	0.0E+00
INFNT	1.3E-04	1.3E-04	3.2E-07	1.3E-04	1.3E-04	1.3E-04	0.0E+00
GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD ESE							
ADULT	8.6E-05	8.6E-05	1.4E-07	8.6E-05	8.6E-05	8.6E-05	0.0E+00
TEEN	1.1E-04	1.1E-04	2.5E-07	1.1E-04	1.1E-04	1.1E-04	0.0E+00
CHILD	1.8E-04	1.8E-04	6.0E-07	1.8E-04	1.8E-04	1.8E-04	0.0E+00
INFNT	2.7E-04	2.7E-04	9.6E-07	2.7E-04	2.7E-04	2.7E-04	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS WINDS TOWARD ESE							
ADULT	2.8E-04	2.8E-04	1.8E-09	2.8E-04	2.8E-04	2.8E-04	0.0E+00
TEEN	2.8E-04	2.8E-04	2.6E-09	2.8E-04	2.8E-04	2.8E-04	0.0E+00
CHILD	2.5E-04	2.5E-04	3.5E-09	2.5E-04	2.5E-04	2.5E-04	0.0E+00
INFNT	1.4E-04	1.4E-04	2.1E-09	1.4E-04	1.4E-04	1.4E-04	0.0E+00
SUBTOTALS (NO PLUME)							
ADULT	9.7E-04	9.7E-04	8.8E-07	9.7E-04	9.7E-04	9.7E-04	5.2E-07
TEEN	1.1E-03	1.1E-03	1.2E-06	1.1E-03	1.1E-03	1.1E-03	5.2E-07
CHILD	1.5E-03	1.5E-03	2.2E-06	1.5E-03	1.5E-03	1.5E-03	5.2E-07
INFNT	5.4E-04	5.4E-04	1.7E-06	5.5E-04	5.4E-04	5.4E-04	5.2E-07
TOTALS							
ADULT	9.7E-04	9.7E-04	8.8E-07	9.7E-04	9.7E-04	9.7E-04	5.2E-07
TEEN	1.1E-03	1.1E-03	1.2E-06	1.1E-03	1.1E-03	1.1E-03	5.2E-07
CHILD	1.5E-03	1.5E-03	2.2E-06	1.5E-03	1.5E-03	1.5E-03	5.2E-07
INFNT	5.4E-04	5.4E-04	1.7E-06	5.5E-04	5.4E-04	5.4E-04	5.2E-07

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 9910 1 1 THRU 99123124

T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE
ADULT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
TEEN 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
CHILD 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

GROUND PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE
ADULT 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 8.3E-07
TEEN 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 8.3E-07
CHILD 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 8.3E-07
INFNT 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 7.1E-07 8.3E-07

VEGET PATHWAY, DIST GP= 1, 914. METERS WINDS TOWARD SE
ADULT 1.5E-03 1.5E-03 5.5E-07 1.5E-03 1.5E-03 1.5E-03 1.5E-03 0.0E+00
TEEN 1.7E-03 1.7E-03 8.6E-07 1.7E-03 1.7E-03 1.7E-03 1.7E-03 0.0E+00
CHILD 2.7E-03 2.7E-03 2.0E-06 2.7E-03 2.7E-03 2.7E-03 2.7E-03 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 4354. METERS WINDS TOWARD SE
ADULT 2.0E-05 2.0E-05 4.2E-09 2.0E-05 2.0E-05 2.0E-05 2.0E-05 0.0E+00
TEEN 1.2E-05 1.2E-05 3.4E-09 1.2E-05 1.2E-05 1.2E-05 1.2E-05 0.0E+00
CHILD 1.4E-05 1.4E-05 6.3E-09 1.4E-05 1.4E-05 1.4E-05 1.4E-05 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE
ADULT 5.1E-05 5.1E-05 4.0E-08 5.1E-05 5.1E-05 5.1E-05 5.1E-05 0.0E+00
TEEN 6.7E-05 6.7E-05 7.2E-08 6.7E-05 6.7E-05 6.7E-05 6.7E-05 0.0E+00
CHILD 1.1E-04 1.1E-04 1.7E-07 1.1E-04 1.1E-04 1.1E-04 1.1E-04 0.0E+00
INFNT 1.6E-04 1.6E-04 2.8E-07 1.6E-04 1.6E-04 1.6E-04 1.6E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SE
ADULT 1.0E-04 1.0E-04 1.2E-07 1.1E-04 1.0E-04 1.0E-04 1.0E-04 0.0E+00
TEEN 1.4E-04 1.4E-04 2.2E-07 1.4E-04 1.4E-04 1.4E-04 1.4E-04 0.0E+00
CHILD 2.1E-04 2.1E-04 5.2E-07 2.2E-04 2.1E-04 2.1E-04 2.1E-04 0.0E+00
INFNT 3.3E-04 3.3E-04 8.3E-07 3.3E-04 3.3E-04 3.3E-04 3.3E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 1136. METERS WINDS TOWARD SE
ADULT 6.0E-04 6.0E-04 4.1E-09 6.0E-04 6.0E-04 6.0E-04 6.0E-04 0.0E+00
TEEN 6.0E-04 6.0E-04 5.7E-09 6.0E-04 6.0E-04 6.0E-04 6.0E-04 0.0E+00
CHILD 5.3E-04 5.3E-04 7.7E-09 5.3E-04 5.3E-04 5.3E-04 5.3E-04 0.0E+00
INFNT 3.0E-04 3.0E-04 4.7E-09 3.0E-04 3.0E-04 3.0E-04 3.0E-04 0.0E+00

SUBTOTALS (NO PLUME)

ADULT 2.3E-03 2.3E-03 1.4E-06 2.3E-03 2.3E-03 2.3E-03 2.3E-03 8.3E-07
TEEN 2.5E-03 2.5E-03 1.9E-06 2.5E-03 2.5E-03 2.5E-03 2.5E-03 8.3E-07
CHILD 3.5E-03 3.5E-03 3.5E-06 3.5E-03 3.5E-03 3.5E-03 3.5E-03 8.3E-07
INFNT 7.9E-04 7.9E-04 1.8E-06 8.0E-04 7.9E-04 7.9E-04 7.9E-04 8.3E-07

TOTALS

ADULT 2.3E-03 2.3E-03 1.4E-06 2.3E-03 2.3E-03 2.3E-03 2.3E-03 8.3E-07
TEEN 2.5E-03 2.5E-03 1.9E-06 2.5E-03 2.5E-03 2.5E-03 2.5E-03 8.3E-07
CHILD 3.5E-03 3.5E-03 3.5E-06 3.5E-03 3.5E-03 3.5E-03 3.5E-03 8.3E-07
INFNT 7.9E-04 7.9E-04 1.8E-06 8.0E-04 7.9E-04 7.9E-04 7.9E-04 8.3E-07

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
FOR DATES 9910 1 1 THRU 99123124

T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE
ADULT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
TEEN 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
CHILD 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

GROUND PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE
ADULT 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 9.9E-07
TEEN 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 9.9E-07
CHILD 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 9.9E-07
INFNT 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 8.4E-07 9.9E-07

VEGET PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE
ADULT 1.9E-03 1.9E-03 7.7E-07 1.9E-03 1.9E-03 1.9E-03 1.9E-03 0.0E+00
TEEN 2.2E-03 2.2E-03 1.2E-06 2.2E-03 2.2E-03 2.2E-03 2.2E-03 0.0E+00
CHILD 3.4E-03 3.4E-03 2.9E-06 3.4E-03 3.4E-03 3.4E-03 3.4E-03 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 1093. METERS WINDS TOWARD SSE
ADULT 2.7E-04 2.7E-04 7.7E-08 2.7E-04 2.7E-04 2.7E-04 2.7E-04 0.0E+00
TEEN 1.6E-04 1.6E-04 6.3E-08 1.6E-04 1.6E-04 1.6E-04 1.6E-04 0.0E+00
CHILD 2.0E-04 2.0E-04 1.2E-07 2.0E-04 2.0E-04 2.0E-04 2.0E-04 0.0E+00
INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE
ADULT 8.5E-05 8.5E-05 7.6E-08 8.5E-05 8.5E-05 8.5E-05 8.5E-05 0.0E+00
TEEN 1.1E-04 1.1E-04 1.4E-07 1.1E-04 1.1E-04 1.1E-04 1.1E-04 0.0E+00
CHILD 1.7E-04 1.7E-04 3.3E-07 1.7E-04 1.7E-04 1.7E-04 1.7E-04 0.0E+00
INFNT 2.6E-04 2.6E-04 5.3E-07 2.6E-04 2.6E-04 2.6E-04 2.6E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSE
ADULT 1.7E-04 1.7E-04 2.3E-07 1.7E-04 1.7E-04 1.7E-04 1.7E-04 0.0E+00
TEEN 2.3E-04 2.2E-04 4.1E-07 2.3E-04 2.3E-04 2.2E-04 2.3E-04 0.0E+00
CHILD 3.5E-04 3.5E-04 9.9E-07 3.5E-04 3.5E-04 3.5E-04 3.5E-04 0.0E+00
INFNT 5.4E-04 5.4E-04 1.6E-06 5.4E-04 5.4E-04 5.4E-04 5.4E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 1507. METERS WINDS TOWARD SSE
ADULT 6.4E-04 6.4E-04 5.9E-09 6.4E-04 6.4E-04 6.4E-04 6.4E-04 0.0E+00
TEEN 6.5E-04 6.5E-04 8.2E-09 6.5E-04 6.5E-04 6.5E-04 6.5E-04 0.0E+00
CHILD 5.7E-04 5.7E-04 1.1E-08 5.7E-04 5.7E-04 5.7E-04 5.7E-04 0.0E+00
INFNT 3.3E-04 3.3E-04 6.7E-09 3.3E-04 3.3E-04 3.3E-04 3.3E-04 0.0E+00

SUBTOTALS (NO PLUME)
ADULT 3.1E-03 3.1E-03 2.0E-06 3.1E-03 3.1E-03 3.1E-03 3.1E-03 9.9E-07
TEEN 3.3E-03 3.3E-03 2.7E-06 3.3E-03 3.3E-03 3.3E-03 3.3E-03 9.9E-07
CHILD 4.7E-03 4.7E-03 5.2E-06 4.7E-03 4.7E-03 4.7E-03 4.7E-03 9.9E-07
INFNT 1.1E-03 1.1E-03 3.0E-06 1.1E-03 1.1E-03 1.1E-03 1.1E-03 9.9E-07

TOTALS
ADULT 3.1E-03 3.1E-03 2.0E-06 3.1E-03 3.1E-03 3.1E-03 3.1E-03 9.9E-07
TEEN 3.3E-03 3.3E-03 2.7E-06 3.3E-03 3.3E-03 3.3E-03 3.3E-03 9.9E-07
CHILD 4.7E-03 4.7E-03 5.2E-06 4.7E-03 4.7E-03 4.7E-03 4.7E-03 9.9E-07
INFNT 1.1E-03 1.1E-03 3.0E-06 1.1E-03 1.1E-03 1.1E-03 1.1E-03 9.9E-07

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124
 T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S
 ADULT 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 1.1E-08 5.2E-07
 TEEN 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 1.1E-08 5.2E-07
 CHILD 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 1.1E-08 5.2E-07
 INFNT 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 4.3E-09 1.1E-08 5.2E-07

GROUND PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S
 ADULT 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 2.0E-06
 TEEN 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 2.0E-06
 CHILD 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 2.0E-06
 INFNT 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 1.7E-06 2.0E-06

VEGET PATHWAY, DIST GP= 1, 863. METERS WINDS TOWARD S
 ADULT 1.9E-03 1.9E-03 1.2E-06 1.9E-03 1.9E-03 1.9E-03 1.9E-03 0.0E+00
 TEEN 2.2E-03 2.2E-03 1.9E-06 2.2E-03 2.2E-03 2.2E-03 2.2E-03 0.0E+00
 CHILD 3.4E-03 3.4E-03 4.6E-06 3.4E-03 3.4E-03 3.4E-03 3.4E-03 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 6115. METERS WINDS TOWARD S
 ADULT 1.3E-05 1.3E-05 4.5E-09 1.3E-05 1.3E-05 1.3E-05 1.3E-05 0.0E+00
 TEEN 7.8E-06 7.8E-06 3.7E-09 7.8E-06 7.8E-06 7.8E-06 7.8E-06 0.0E+00
 CHILD 9.5E-06 9.5E-06 6.8E-09 9.5E-06 9.5E-06 9.5E-06 9.5E-06 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S
 ADULT 5.9E-05 5.9E-05 8.1E-08 5.9E-05 5.9E-05 5.9E-05 5.9E-05 0.0E+00
 TEEN 7.7E-05 7.7E-05 1.5E-07 7.7E-05 7.7E-05 7.7E-05 7.7E-05 0.0E+00
 CHILD 1.2E-04 1.2E-04 3.5E-07 1.2E-04 1.2E-04 1.2E-04 1.2E-04 0.0E+00
 INFNT 1.8E-04 1.8E-04 5.6E-07 1.9E-04 1.9E-04 1.8E-04 1.8E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD S
 ADULT 1.2E-04 1.2E-04 2.4E-07 1.2E-04 1.2E-04 1.2E-04 1.2E-04 0.0E+00
 TEEN 1.6E-04 1.6E-04 4.4E-07 1.6E-04 1.6E-04 1.6E-04 1.6E-04 0.0E+00
 CHILD 2.5E-04 2.5E-04 1.1E-06 2.5E-04 2.5E-04 2.5E-04 2.5E-04 0.0E+00
 INFNT 3.8E-04 3.8E-04 1.7E-06 3.8E-04 3.8E-04 3.8E-04 3.8E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 1026. METERS WINDS TOWARD S
 ADULT 8.1E-04 8.1E-04 1.1E-08 8.1E-04 8.1E-04 8.1E-04 8.1E-04 0.0E+00
 TEEN 8.1E-04 8.1E-04 1.5E-08 8.1E-04 8.1E-04 8.1E-04 8.1E-04 0.0E+00
 CHILD 7.2E-04 7.2E-04 2.0E-08 7.2E-04 7.2E-04 7.2E-04 7.2E-04 0.0E+00
 INFNT 4.1E-04 4.1E-04 1.2E-08 4.1E-04 4.1E-04 4.1E-04 4.1E-04 0.0E+00

SUBTOTALS (NO PLUME)
 ADULT 2.9E-03 2.9E-03 3.3E-06 2.9E-03 2.9E-03 2.9E-03 2.9E-03 2.0E-06
 TEEN 3.2E-03 3.2E-03 4.2E-06 3.2E-03 3.2E-03 3.2E-03 3.2E-03 2.0E-06
 CHILD 4.5E-03 4.5E-03 7.7E-06 4.5E-03 4.5E-03 4.5E-03 4.5E-03 2.0E-06
 INFNT 9.8E-04 9.8E-04 4.0E-06 9.8E-04 9.8E-04 9.8E-04 9.8E-04 2.0E-06

TOTALS
 ADULT 2.9E-03 2.9E-03 3.3E-06 2.9E-03 2.9E-03 2.9E-03 2.9E-03 2.5E-06
 TEEN 3.2E-03 3.2E-03 4.2E-06 3.2E-03 3.2E-03 3.2E-03 3.2E-03 2.5E-06
 CHILD 4.5E-03 4.5E-03 7.7E-06 4.5E-03 4.5E-03 4.5E-03 4.5E-03 2.5E-06
 INFNT 9.8E-04 9.8E-04 4.0E-06 9.8E-04 9.8E-04 9.8E-04 9.8E-04 2.5E-06

INDIVIDUAL DOSES (MREM) DUE TO GASEOUS EFFLUENT
 FOR DATES 9910 1 1 THRU 99123124
 T.BODY GI-TRCT BONE LIVER KIDNEY THYRD LUNG SKIN

PLUME PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW
 ADULT 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 3.5E-08 1.6E-06
 TEEN 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 3.5E-08 1.6E-06
 CHILD 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 3.5E-08 1.6E-06
 INFNT 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 1.3E-08 3.5E-08 1.6E-06

GROUND PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW
 ADULT 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 9.3E-07
 TEEN 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 9.3E-07
 CHILD 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 9.3E-07
 INFNT 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 7.9E-07 9.3E-07

VEGET PATHWAY, DIST GP= 1, 770. METERS WINDS TOWARD SSW
 ADULT 1.5E-03 1.5E-03 5.9E-07 1.5E-03 1.5E-03 1.5E-03 1.5E-03 0.0E+00
 TEEN 1.7E-03 1.7E-03 9.4E-07 1.7E-03 1.7E-03 1.7E-03 1.7E-03 0.0E+00
 CHILD 2.7E-03 2.7E-03 2.2E-06 2.7E-03 2.7E-03 2.7E-03 2.7E-03 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

MEAT PATHWAY, DIST GP= 1, 8045. METERS WINDS TOWARD SSW
 ADULT 6.8E-06 6.8E-06 1.1E-09 6.8E-06 6.8E-06 6.8E-06 6.8E-06 0.0E+00
 TEEN 4.0E-06 4.0E-06 9.2E-10 4.0E-06 4.0E-06 4.0E-06 4.0E-06 0.0E+00
 CHILD 4.9E-06 4.9E-06 1.7E-09 4.9E-06 4.9E-06 4.9E-06 4.9E-06 0.0E+00
 INFNT 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00

COW PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW
 ADULT 4.1E-05 4.1E-05 3.3E-08 4.1E-05 4.1E-05 4.1E-05 4.1E-05 0.0E+00
 TEEN 5.4E-05 5.4E-05 5.9E-08 5.4E-05 5.4E-05 5.4E-05 5.4E-05 0.0E+00
 CHILD 8.5E-05 8.5E-05 1.4E-07 8.5E-05 8.5E-05 8.5E-05 8.5E-05 0.0E+00
 INFNT 1.3E-04 1.3E-04 2.3E-07 1.3E-04 1.3E-04 1.3E-04 1.3E-04 0.0E+00

GOAT PATHWAY, DIST GP= 1, 4091. METERS WINDS TOWARD SSW
 ADULT 8.5E-05 8.5E-05 9.8E-08 8.5E-05 8.5E-05 8.5E-05 8.5E-05 0.0E+00
 TEEN 1.1E-04 1.1E-04 1.8E-07 1.1E-04 1.1E-04 1.1E-04 1.1E-04 0.0E+00
 CHILD 1.7E-04 1.7E-04 4.3E-07 1.7E-04 1.7E-04 1.7E-04 1.7E-04 0.0E+00
 INFNT 2.6E-04 2.6E-04 6.8E-07 2.7E-04 2.7E-04 2.6E-04 2.6E-04 0.0E+00

INHAL PATHWAY, DIST GP= 1, 942. METERS WINDS TOWARD SSW
 ADULT 6.1E-04 6.1E-04 1.2E-08 6.1E-04 6.1E-04 6.1E-04 6.1E-04 0.0E+00
 TEEN 6.1E-04 6.1E-04 1.7E-08 6.1E-04 6.1E-04 6.1E-04 6.1E-04 0.0E+00
 CHILD 5.4E-04 5.4E-04 2.2E-08 5.4E-04 5.4E-04 5.4E-04 5.4E-04 0.0E+00
 INFNT 3.1E-04 3.1E-04 1.4E-08 3.1E-04 3.1E-04 3.1E-04 3.1E-04 0.0E+00

SUBTOTALS (NO PLUME)
 ADULT 2.2E-03 2.2E-03 1.5E-06 2.2E-03 2.2E-03 2.2E-03 2.2E-03 9.3E-07
 TEEN 2.5E-03 2.5E-03 2.0E-06 2.5E-03 2.5E-03 2.5E-03 2.5E-03 9.3E-07
 CHILD 3.5E-03 3.5E-03 3.6E-06 3.5E-03 3.5E-03 3.5E-03 3.5E-03 9.3E-07
 INFNT 7.1E-04 7.1E-04 1.7E-06 7.1E-04 7.1E-04 7.1E-04 7.1E-04 9.3E-07

TOTALS
 ADULT 2.2E-03 2.2E-03 1.5E-06 2.2E-03 2.2E-03 2.2E-03 2.2E-03 2.5E-06
 TEEN 2.5E-03 2.5E-03 2.0E-06 2.5E-03 2.5E-03 2.5E-03 2.5E-03 2.5E-06
 CHILD 3.5E-03 3.5E-03 3.6E-06 3.5E-03 3.5E-03 3.5E-03 3.5E-03 2.5E-06
 INFNT 7.1E-04 7.1E-04 1.7E-06 7.1E-04 7.1E-04 7.1E-04 7.1E-04 2.5E-06

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 99010101-99033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	11	7	0	0	0	18
NNE	0	1	0	0	0	0	1
NE	0	1	1	1	0	0	3
ENE	0	4	3	3	0	0	10
E	0	2	6	0	0	0	8
ESE	0	1	2	0	0	0	3
SE	1	1	0	0	0	0	2
SSE	1	4	2	0	0	0	7
S	0	7	4	1	0	0	12
SSW	0	0	2	0	0	0	2
SW	0	0	2	0	0	0	2
WSW	0	3	1	1	0	0	5
W	0	2	3	0	0	0	5
WNW	0	9	0	0	0	0	9
NW	0	9	2	0	0	0	11
NNW	0	19	8	0	0	0	27
TOTAL	2	74	43	6	0	0	125

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	6	4	0	0	0	10
NNE	0	2	0	0	0	0	2
NE	0	3	2	0	0	0	5
ENE	0	5	2	0	0	0	7
E	0	7	1	0	0	0	8
ESE	0	2	2	0	0	0	4
SE	0	1	3	0	0	0	4
SSE	0	5	3	0	0	0	8
S	0	6	4	1	0	0	11
SSW	0	0	0	1	0	0	1
SW	0	0	3	1	0	0	4
WSW	0	2	10	0	0	0	12
W	0	3	0	0	0	0	3
WNW	0	6	2	0	0	0	8
NW	0	9	2	0	0	0	11
NNW	0	5	0	0	0	0	5
TOTAL	0	62	38	3	0	0	103

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	1	4	3	0	0	0	8
NNE	0	1	0	0	0	0	1
NE	1	5	11	1	0	0	18
ENE	1	4	11	0	0	0	16
E	0	0	2	0	0	0	2
ESE	1	4	0	0	0	0	5
SE	1	3	4	0	0	0	8
SSE	0	4	4	0	0	0	8
S	0	3	6	1	0	0	10
SSW	0	2	1	1	0	0	4
SW	0	1	3	4	0	0	8
WSW	0	4	11	1	0	0	16
W	0	4	2	0	0	0	6
WNW	0	3	3	0	0	0	6
NW	1	9	1	0	0	0	11
NNW	2	7	2	0	0	0	11
TOTAL	8	58	64	8	0	0	138

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	9	36	19	0	0	0	64
NNE	3	16	0	0	0	0	19
NE	9	24	10	0	0	0	43
ENE	7	22	13	1	0	0	43
E	6	21	42	13	2	0	84
ESE	5	19	15	0	0	0	39
SE	7	27	11	0	0	0	45
SSE	2	20	12	0	0	0	34
S	8	40	27	8	0	0	83
SSW	6	20	23	1	1	0	51
SW	3	12	25	1	0	0	41
WSW	1	20	25	36	1	0	83
W	2	29	65	11	0	0	107
WNW	3	15	27	2	0	0	47
NW	2	36	18	0	0	0	56
NNW	6	31	33	1	0	0	71
TOTAL	79	388	365	74	4	0	910

PERIODS OF CALM (HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	8	19	5	0	0	0	32
NNE	5	25	0	0	0	0	30
NE	10	22	0	0	0	0	32
ENE	12	24	4	0	0	0	40
E	4	17	15	0	0	0	36
ESE	14	15	6	0	0	0	35
SE	8	21	12	0	0	0	41
SSE	14	13	16	1	0	0	44
S	12	56	34	4	0	0	106
SSW	11	10	19	2	0	0	42
SW	3	21	15	0	0	0	39
WSW	3	16	21	2	1	0	43
W	3	7	18	3	0	0	31
WNW	2	12	4	0	0	0	18
NW	4	9	4	0	0	0	17
NNW	7	10	2	0	0	0	19
TOTAL	120	297	175	12	1	0	605

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:58

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 99010101-99033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	0	0	0	0	0
NNE	3	0	0	0	0	0	3
NE	8	2	0	0	0	0	10
ENE	10	3	0	0	0	0	13
E	12	5	0	0	0	0	17
ESE	8	3	0	0	0	0	11
SE	12	9	0	0	0	0	21
SSE	9	6	2	0	0	0	17
S	11	20	0	0	0	0	31
SSW	3	5	0	0	0	0	8
SW	3	2	0	0	0	0	5
WSW	0	3	1	0	0	0	4
W	3	4	1	0	0	0	8
WNW	1	1	0	0	0	0	2
NW	2	0	0	0	0	0	2
NNW	4	0	0	0	0	0	4
TOTAL	89	63	4	0	0	0	156

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:59

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	6	2	0	0	0	0	8
ENE	9	6	0	0	0	0	15
E	11	2	0	0	0	0	13
ESE	12	2	0	0	0	0	14
SE	17	1	0	0	0	0	18
SSE	20	3	0	0	0	0	23
S	17	2	0	0	0	0	19
SSW	6	1	0	0	0	0	7
SW	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	2	0	0	0	0	0	2
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	101	19	0	0	0	0	120

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 14:59

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99010101-99033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	18	76	38	0	0	0	132
NNE	11	45	0	0	0	0	56
NE	34	59	24	2	0	0	119
ENE	39	68	33	4	0	0	144
E	33	54	66	13	2	0	168
ESE	40	46	25	0	0	0	111
SE	46	63	30	0	0	0	139
SSE	46	55	39	1	0	0	141
S	48	134	75	15	0	0	272
SSW	26	38	45	5	1	0	115
SW	10	36	48	6	0	0	100
WSW	4	48	69	40	2	0	163
W	10	49	89	14	0	0	162
WNW	6	46	36	2	0	0	90
NW	9	72	27	0	0	0	108
NNW	19	72	45	1	0	0	137
TOTAL	399	961	689	103	5	0	2157

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	2	33	1	0	0	0	36
NNE	0	5	0	0	0	0	5
NE	1	3	0	1	0	0	5
ENE	0	0	2	2	0	0	4
E	0	2	1	0	0	0	3
ESE	0	7	7	2	0	0	16
SE	3	7	5	0	0	0	15
SSE	0	8	4	0	0	0	12
S	1	6	5	0	0	0	12
SSW	0	5	0	0	0	0	5
SW	0	0	0	0	0	0	0
WSW	0	2	1	0	0	0	3
W	1	6	2	0	0	0	9
WNW	3	9	1	0	0	0	13
NW	5	11	0	0	0	0	16
NNW	3	52	1	0	0	0	56
TOTAL	19	156	30	5	0	0	210

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND SPEED (MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	3	1	0	0	0	5
NNE	1	0	0	0	0	0	1
NE	0	0	1	0	0	0	1
ENE	1	0	0	2	0	0	3
E	0	1	0	1	0	0	2
ESE	0	6	1	0	0	0	7
SE	0	5	0	0	0	0	5
SSE	0	3	2	0	0	0	5
S	0	2	4	2	0	0	8
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	1	2	2	0	0	0	5
W	2	1	0	0	0	0	3
WNW	2	5	0	0	0	0	7
NW	1	5	0	0	0	0	6
NNW	2	8	0	0	0	0	10
TOTAL	11	41	11	5	0	0	68

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	2	2	1	0	0	0	5
NNE	0	0	0	0	0	0	0
NE	1	0	0	0	0	0	1
ENE	0	0	1	0	0	0	1
E	1	0	1	0	0	0	2
ESE	1	4	2	0	0	0	7
SE	0	2	1	0	0	0	3
SSE	2	5	0	0	0	0	7
S	0	3	3	0	0	0	6
SSW	0	0	0	0	0	0	0
SW	1	1	1	0	0	0	3
WSW	1	3	6	0	0	0	10
W	0	9	0	0	0	0	9
WNW	0	4	1	0	0	0	5
NW	3	3	0	0	0	0	6
NNW	2	5	0	0	0	0	7
TOTAL	14	41	17	0	0	0	72

PERIODS OF CALM (HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	10	19	5	0	0	0	34
NNE	5	7	1	0	0	0	13
NE	1	7	2	2	0	0	12
ENE	4	5	8	2	0	0	19
E	5	7	14	3	0	0	29
ESE	3	17	5	0	0	0	25
SE	1	19	2	0	0	0	22
SSE	10	19	1	0	0	0	30
S	11	20	12	0	0	0	43
SSW	7	11	7	8	0	0	33
SW	1	14	3	2	0	0	20
WSW	5	21	15	4	0	0	45
W	4	18	6	0	0	0	28
WNW	8	11	1	0	0	0	20
NW	9	13	0	0	0	0	22
NNW	13	31	0	0	0	0	44
TOTAL	97	239	82	21	0	0	439

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	16	23	1	0	0	0	40
NNE	22	11	2	0	0	0	35
NE	15	12	6	2	0	0	35
ENE	12	24	33	5	0	0	74
E	12	45	27	6	0	0	90
ESE	19	38	20	4	0	0	81
SE	23	40	11	2	0	0	76
SSE	25	27	4	1	0	0	57
S	33	34	7	0	0	0	74
SSW	9	50	11	2	0	0	72
SW	7	22	15	2	0	0	46
WSW	7	20	7	0	0	0	34
W	8	20	13	0	0	0	41
WNW	14	16	1	0	0	0	31
NW	20	21	1	0	0	0	42
NNW	19	28	2	0	0	0	49
TOTAL	261	431	161	24	0	0	877

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	4	1	0	0	0	0	5
NNE	7	1	0	0	0	0	8
NE	9	2	0	0	0	0	11
ENE	15	9	0	0	0	0	24
E	17	3	0	0	0	0	20
ESE	30	6	0	0	0	0	36
SE	21	11	0	0	0	0	32
SSE	18	10	0	0	0	0	28
S	15	3	0	0	0	0	18
SSW	6	2	0	0	0	0	8
SW	7	2	1	0	0	0	10
WSW	7	9	0	0	0	0	16
W	8	3	4	0	0	0	15
WNW	3	0	0	0	0	0	3
NW	5	0	0	0	0	0	5
NNW	3	2	0	0	0	0	5
TOTAL	175	64	5	0	0	0	244

PERIODS OF CALM (HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99040101-99063024

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	0	0	0	0	0	3
NNE	5	0	0	0	0	0	5
NE	12	0	0	0	0	0	12
ENE	19	5	0	0	0	0	24
E	51	4	0	0	0	0	55
ESE	46	1	0	0	0	0	47
SE	30	0	0	0	0	0	30
SSE	19	0	0	0	0	0	19
S	27	0	0	0	0	0	27
SSW	13	0	0	0	0	0	13
SW	8	1	0	0	0	0	9
WSW	7	0	0	0	0	0	7
W	9	0	0	0	0	0	9
WNW	4	0	0	0	0	0	4
NW	2	0	0	0	0	0	2
NNW	5	0	0	0	0	0	5
TOTAL	260	11	0	0	0	0	271

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/10/00 15:01

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 99040101-99063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	38	81	9	0	0	0	128
NNE	40	24	3	0	0	0	67
NE	39	24	9	5	0	0	77
ENE	51	43	44	11	0	0	149
E	86	62	43	10	0	0	201
ESE	99	79	35	6	0	0	219
SE	78	84	19	2	0	0	183
SSE	74	72	11	1	0	0	158
S	87	68	31	2	0	0	188
SSW	35	68	18	10	0	0	131
SW	24	40	20	4	0	0	88
WSW	28	57	31	4	0	0	120
W	32	57	25	0	0	0	114
WNW	34	45	4	0	0	0	83
NW	45	53	1	0	0	0	99
NNW	47	126	3	0	0	0	176
TOTAL	837	983	306	55	0	0	2181

PERIODS OF CALM (HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 3

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	11	99	2	0	0	0	112
NNE	2	11	0	0	0	0	13
NE	1	14	0	0	0	0	15
ENE	0	2	0	0	0	0	2
E	2	11	0	0	0	0	13
ESE	1	2	0	0	0	0	3
SE	1	7	0	0	0	0	8
SSE	2	7	0	0	0	0	9
S	2	11	1	0	0	0	14
SSW	0	8	10	3	0	0	21
SW	0	27	23	0	0	0	50
WSW	1	45	28	0	0	0	74
W	4	26	0	0	0	0	30
WNW	5	30	1	0	0	0	36
NW	11	22	0	0	0	0	33
NNW	14	43	0	0	0	0	57
TOTAL	57	365	65	3	0	0	490

PERIODS OF CALM (HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND SPEED (MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	5	1	0	0	0	12
NNE	1	0	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	1	2	0	0	0	0	3
SE	1	2	0	0	0	0	3
SSE	3	1	0	0	0	0	4
S	2	1	0	0	0	0	3
SSW	2	7	2	0	0	0	11
SW	3	6	9	0	0	0	18
WSW	1	8	2	0	0	0	11
W	0	4	1	0	0	0	5
WNW	1	0	0	0	0	0	1
NW	1	1	0	0	0	0	2
NNW	3	5	0	0	0	0	8
TOTAL	25	43	15	0	0	0	83

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	4	7	0	0	0	0	11
NNE	0	0	0	0	0	0	0
NE	1	1	1	0	0	0	3
ENE	0	0	0	0	0	0	0
E	1	2	0	0	0	0	3
ESE	0	1	0	0	0	0	1
SE	2	0	0	0	0	0	2
SSE	1	0	0	0	0	0	1
S	1	1	2	0	0	0	4
SSW	0	5	4	0	0	0	9
SW	0	9	12	0	0	0	21
WSW	0	11	2	0	0	0	13
W	1	2	0	0	0	0	3
WNW	3	1	0	0	0	0	4
NW	4	4	0	0	0	0	8
NNW	7	2	0	0	0	0	9
TOTAL	25	46	21	0	0	0	92

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	19	43	10	0	0	0	72
NNE	5	14	1	0	0	0	20
NE	6	7	0	0	0	0	13
ENE	3	9	0	0	0	0	12
E	1	5	0	0	0	0	6
ESE	4	3	0	0	0	0	7
SE	6	3	0	0	0	0	9
SSE	6	1	1	0	0	0	8
S	11	10	1	0	0	0	22
SSW	5	27	8	0	0	0	40
SW	3	32	19	0	0	0	54
WSW	2	23	6	0	0	0	31
W	5	10	3	0	0	0	18
WNW	2	3	1	0	0	0	6
NW	5	2	0	0	0	0	7
NNW	13	3	0	0	0	0	16
TOTAL	96	195	50	0	0	0	341

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	27	47	0	0	0	0	74
NNE	30	25	0	0	0	0	55
NE	19	7	0	0	0	0	26
ENE	19	9	0	0	0	0	28
E	22	10	0	0	0	0	32
ESE	19	7	0	0	0	0	26
SE	13	1	0	0	0	0	14
SSE	6	2	0	0	0	0	8
S	25	34	2	0	0	0	61
SSW	7	44	10	0	0	0	61
SW	10	51	21	0	0	0	82
WSW	6	23	8	0	0	0	37
W	9	21	1	0	0	0	31
WNW	8	10	0	0	0	0	18
NW	16	3	0	0	0	0	19
NNW	18	3	0	0	0	0	21
TOTAL	254	297	42	0	0	0	593

PERIODS OF CALM (HOURS) : 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	5	0	0	0	0	0	5
NNE	8	0	0	0	0	0	8
NE	25	5	0	0	0	0	30
ENE	23	2	0	0	0	0	25
E	16	1	0	0	0	0	17
ESE	21	3	0	0	0	0	24
SE	14	1	0	0	0	0	15
SSE	14	0	0	0	0	0	14
S	35	11	0	0	0	0	46
SSW	16	4	0	0	0	0	20
SW	7	3	0	0	0	0	10
WSW	4	3	0	0	0	0	7
W	7	1	0	0	0	0	8
WNW	3	0	0	0	0	0	3
NW	1	0	0	0	0	0	1
NNW	2	0	0	0	0	0	2
TOTAL	201	34	0	0	0	0	235

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 99070101-99093024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	0	0	0	0	0	3
NNE	0	0	0	0	0	0	0
NE	8	0	0	0	0	0	8
ENE	35	0	0	0	0	0	35
E	69	0	0	0	0	0	69
ESE	52	0	0	0	0	0	52
SE	52	0	0	0	0	0	52
SSE	39	0	0	0	0	0	39
S	60	1	0	0	0	0	61
SSW	20	1	0	0	0	0	21
SW	14	1	0	0	0	0	15
WSW	9	0	0	0	0	0	9
W	9	0	0	0	0	0	9
WNW	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0
TOTAL	371	3	0	0	0	0	374

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99070101-99093024

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	75	201	13	0	0	0	289
NNE	46	50	1	0	0	0	97
NE	60	35	1	0	0	0	96
ENE	80	22	0	0	0	0	102
E	111	29	0	0	0	0	140
ESE	98	18	0	0	0	0	116
SE	89	14	0	0	0	0	103
SSE	71	11	1	0	0	0	83
S	136	69	6	0	0	0	211
SSW	50	96	34	3	0	0	183
SW	37	129	84	0	0	0	250
WSW	23	113	46	0	0	0	182
W	35	64	5	0	0	0	104
WNW	22	44	2	0	0	0	68
NW	39	32	0	0	0	0	71
NNW	57	56	0	0	0	0	113
TOTAL	1029	983	193	3	0	0	2208

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION: 0
HOURS OF MISSING DATA: 0

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 99100101-99123124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	1	11	5	0	0	0	17
NNE	1	5	0	0	0	0	6
NE	0	7	0	0	0	0	7
ENE	0	4	0	0	0	0	4
E	0	6	0	0	0	0	6
ESE	0	5	0	0	0	0	5
SE	0	15	4	0	0	0	19
SSE	0	9	2	0	0	0	11
S	0	16	34	3	0	0	53
SSW	0	0	8	0	0	0	8
SW	0	4	16	0	0	0	20
WSW	0	11	10	0	0	0	21
W	1	12	2	2	0	0	17
WNW	0	24	1	0	0	0	25
NW	1	15	0	0	0	0	16
NNW	3	16	5	0	0	0	24
TOTAL	7	160	87	5	0	0	259

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

		WIND SPEED (MPH)						
WIND	DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
-----		---	---	---	---	---	---	---
-----		---	---	---	---	---	---	---
N		1	4	2	0	0	0	7
NNE		0	1	0	0	0	0	1
NE		0	1	0	0	0	0	1
ENE		0	3	1	0	0	0	4
E		1	3	0	0	0	0	4
ESE		0	3	0	0	0	0	3
SE		0	8	0	0	0	0	8
SSE		2	2	1	0	0	0	5
S		0	2	5	1	0	0	8
SSW		0	5	2	3	0	0	10
SW		0	5	6	0	0	0	11
WSW		0	3	1	2	0	0	6
W		0	5	2	0	0	0	7
WNW		0	5	1	0	0	0	6
NW		2	0	0	0	0	0	2
NNW		0	4	2	1	0	0	7
-----		---	---	---	---	---	---	---
TOTAL		6	54	23	7	0	0	90
-----		---	---	---	---	---	---	---
PERIODS OF CALM(HOURS):		0						
VARIABLE DIRECTION		0						
HOURS OF MISSING DATA:		115						

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	3	1	0	0	0	4
NNE	1	1	0	0	0	0	2
NE	1	3	0	0	0	0	4
ENE	0	1	1	0	0	0	2
E	1	1	0	0	0	0	2
ESE	2	1	0	0	0	0	3
SE	4	5	1	0	0	0	10
SSE	1	2	5	0	0	0	8
S	1	9	7	1	0	0	18
SSW	1	6	9	4	0	0	20
SW	0	5	5	1	0	0	11
WSW	0	2	7	4	0	0	13
W	0	0	3	3	0	0	6
WNW	0	4	2	0	0	0	6
NW	1	1	4	0	0	0	6
NNW	0	4	4	1	0	0	9
TOTAL	13	48	49	14	0	0	124

PERIODS OF CALM(HOURS) : 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: D DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND SPEED (MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8	35	33	0	0	0	76
NNE	5	13	2	0	0	0	20
NE	4	19	7	0	0	0	30
ENE	5	10	10	0	0	0	25
E	10	3	0	0	0	0	13
ESE	13	7	0	0	0	0	20
SE	17	28	1	0	0	0	46
SSE	8	40	8	0	0	0	56
S	7	41	50	8	0	0	106
SSW	2	28	55	4	0	0	89
SW	4	13	31	10	0	0	58
WSW	1	12	30	13	0	0	56
W	3	24	19	1	0	0	47
WNW	4	40	6	0	0	0	50
NW	3	31	25	2	0	0	61
NNW	6	53	58	1	0	0	118
TOTAL	100	397	335	39	0	0	871

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	10	14	4	0	0	0	28
NNE	4	5	0	0	0	0	9
NE	4	14	0	0	0	0	18
ENE	5	9	2	0	0	0	16
E	15	4	0	0	0	0	19
ESE	14	7	0	0	0	0	21
SE	18	20	0	0	0	0	38
SSE	11	56	1	0	0	0	68
S	11	50	21	1	0	0	83
SSW	3	33	19	0	0	0	55
SW	5	9	13	0	0	0	27
WSW	1	9	4	0	0	0	14
W	3	4	0	0	0	0	7
WNW	2	13	0	0	0	0	15
NW	3	15	1	0	0	0	19
NNW	7	10	8	0	0	0	25
TOTAL	116	272	73	1	0	0	462

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	0	0	0	0	0
NNE	2	1	0	0	0	0	3
NE	3	1	0	0	0	0	4
ENE	11	0	0	0	0	0	11
E	20	5	0	0	0	0	25
ESE	10	0	0	0	0	0	10
SE	16	5	0	0	0	0	21
SSE	22	17	0	0	0	0	39
S	13	20	0	0	0	0	33
SSW	3	5	0	0	0	0	8
SW	2	1	0	0	0	0	3
WSW	2	0	0	0	0	0	2
W	1	0	0	0	0	0	1
WNW	1	0	0	0	0	0	1
NW	1	0	0	0	0	0	1
NNW	1	0	0	0	0	0	1
TOTAL	108	55	0	0	0	0	163

PERIODS OF CALM(HOURS) : 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	0	0	0	0	0
NNE	3	0	0	0	0	0	3
NE	3	0	0	0	0	0	3
ENE	4	0	0	0	0	0	4
E	15	0	0	0	0	0	15
ESE	12	0	0	0	0	0	12
SE	21	0	0	0	0	0	21
SSE	27	0	0	0	0	0	27
S	17	14	0	0	0	0	31
SSW	2	0	0	0	0	0	2
SW	2	0	0	0	0	0	2
WSW	0	0	0	0	0	0	0
W	1	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	1
NNW	2	0	0	0	0	0	2
TOTAL	110	14	0	0	0	0	124

PERIODS OF CALM (HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 115

01/11/00 11:48

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 99100101-99123124

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	20	67	45	0	0	0	132
NNE	16	26	2	0	0	0	44
NE	15	45	7	0	0	0	67
ENE	25	27	14	0	0	0	66
E	62	22	0	0	0	0	84
ESE	51	23	0	0	0	0	74
SE	76	81	6	0	0	0	163
SSE	71	126	17	0	0	0	214
S	49	152	117	14	0	0	332
SSW	11	77	93	11	0	0	192
SW	13	37	71	11	0	0	132
WSW	4	37	52	19	0	0	112
W	9	45	26	6	0	0	86
WNW	7	86	10	0	0	0	103
NW	12	62	30	2	0	0	106
NNW	19	87	77	3	0	0	186
TOTAL	460	1000	567	66	0	0	2093

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 115

OFF-SITE DOSE CALCULATION MANUAL

The Off-Site Dose Calculation Manual, PMP 6010 OSD.001, was changed during the report period. The reasons for the changes and the PORC approval are documented on the Review and Approval Tracking Form. These changes were determined to maintain the level of radioactive effluent control required by 10 CFR 20.1302, 40 CFR 190, 10 CFR 50.36a, and Appendix I to 10 CFR 50 and not adversely impact the accuracy or reliability of effluent, dose, or setpoint calculations.

1 **If an RMS monitor is inoperable solely as the result of the loss of its control room alarm annunciation, then one of the following actions is acceptable to satisfy the ODCM action statement compensatory surveillance requirement:**

1. Take grab samples and conduct laboratory analyses per the specific monitor's action statement, OR
2. Take local monitor readings at a frequency equal to or greater than (more frequently than) the action frequency.

If the RMS monitor is inoperable for reasons other than the loss of control room annunciation, then the only acceptable action is taking grab samples and conducting laboratory analyses as the reading is equivalent to a grab sample when the monitor is functional.

2 **Releases shall be considered as occurring "via this pathway" under the following conditions:**

- The Containment Purge System is in operation and Containment integrity is established/required, OR
- The Containment Purge System is in operation and is being used as the vent path for the venting of contaminated systems within the containment building prior to completing both degas and depressurization of the RCS.

If neither of the above are applicable, then the containment purge system is acting as a ventilation system and is covered by Item 2 of this Attachment.

3 **For purge purposes only. See Attachment 3.4 (Items 2a, 4a) and Attachment 3.5 (Items 2a, 4a) for other requirements associated with this instrument.**

4 **For gas decay tank releases only, see Item 2 (Unit Vent, Auxiliary Building Ventilation System) for additional requirements.**

TABLE NOTATIONS

Action 5 **With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue for up to 30 days provided the flow rate is estimated at least once per 4 hours. After 30 days, IF the channels are not OPERABLE, THEN continue releases with estimation of the flow rate once per 4 hours AND provide a description of why the inoperability was not corrected in the next Annual Radiological Effluent Release Report.**

C1

Action 6 **With the number of channels OPERABLE less required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue for up to 30 days provided grab samples are taken at least once per shift and these samples are analyzed for gross activity within 24 hours. After 30 days, IF the channels are not OPERABLE, THEN continue releases with grab samples once per shift AND provide a description of why the inoperability was not corrected in the next Annual Radiological Effluent Release Report.**

C1

Action 7 **With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirements, immediately suspend PURGING of radioactive effluents via this pathway.**

Action 8 **With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via the affected pathway may continue for up to 30 days provided samples required for weekly analysis are continuously collected with auxiliary sampling equipment as required in Attachment 3.7. After 30 days, IF the channels are not OPERABLE, THEN continue releases with sample collection by auxiliary sampling equipment AND provide a description of why the inoperability was not corrected in the next Annual Radiological Effluent Release Report.**

C1

Action 9 **With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, the contents of the tank(s) may be released to the environment for up to 14 days provided that prior to initiating the release:**

- a. At least two independent samples of the tank's contents are analyzed and,
- b. At least two technically qualified members of the Facility Staff independently verify the release rate calculations and discharge valve lineups; otherwise, suspend release of radioactive effluents via this pathway.