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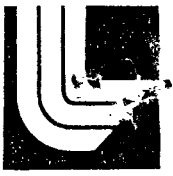
Previous Location (FROM): LNK

AUTHOR: H. HICKS

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ERRATA

TO: Recipients of UCRL-53152, Parts 1-8, and UCRL-53505

FROM: Harry G. Hicks

DATE: July 1984

SUBJECT: Errata

^{203}Pb data, page 8 of each appendix citing ^{203}Pb

The zero time value was omitted but appears correctly on page 3 of these appendices. The ^{203}Pb values pertain to the decay time of the column immediately to the right; thus, the "zero time" value is the value after 1.00 day's decay.

^{181}W data on page 12 of each appendix citing ^{181}W

The value for a decay time of 3.50 years is a factor of 10 too high.



Lawrence Livermore National Laboratory

TO: All holders of UCRL-53152, "Results of Calculations of External Gamma Radiation Exposure Rates from Fallout and the Related Radionuclide Compositions," Part 8, "Operations Nougat through Bowline, 1962-1968"

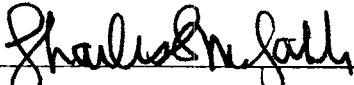
FROM: Technical Information Department

ADDENDUM

For purposes of clarification, the following information (underlined below) is being added to your copy of UCRL-53152 Part 8:

Each Appendix contains 11 pages of calculated results relating to one Event in Table 1. Each set of 11 pages is marked Page 2 through Page 12 at the top and A2 through A12 (or B2 through B12, etc.) at the bottom. Page 2 of each set gives the external gamma-ray exposure rates and associated values of total microcuries per square meter at 30 decay intervals and at zero time. Note that the totals at zero time include only the nuclides listed in pages 3 through 12, not all the nuclides present at zero time. Calculated values for each radionuclide at various decay intervals are given in the remaining pages--from 1 to 21 hr in Pages 3-7, from 1 to 300 d in Pages 8-11, and from 1 to 50 y in Page 12. Unless otherwise indicated, the value for each nuclide at zero time is the result of a radiochemical measurement. The measurements were performed on debris samples taken by aircraft approximately 1 to 4 hr after detonation. The production of nuclides designated by (*) has been estimated. When no estimate could be made, the value appears as zero.

To incorporate this addendum, please staple or affix the attached page so as to cover the existing Page 2 in your document.


Technical Information Department

**Results of Calculations of External
Gamma Radiation Exposure Rates
from Fallout and the Related
Radionuclide Compositions
Operations Nougat through
Bowline, 1962-1968**

Harry G. Hicks

Manuscript date: July 1981

LAWRENCE LIVERMORE LABORATORY 
University of California • Livermore, California • 94550



FOREWORD

This document is one of eight parts of Report UCRL-53152. Each part contains results for Events (shots) from a specific Operation or Operations, as listed here.

- Part 1. Operation Ranger, Events Able, Baker, Easy, Baker-2 and Fox.
- Part 2. Operation Buster-Jangle, Events Buster Baker, Buster Charlie, Buster Dog, Buster Easy, Jangle Sugar and Jangle Uncle.
- Part 3. Operation Tumbler-Snapper, Events Able, Baker, Charlie, Dog, Easy, Fox, George and How.
- Part 4. Operation Upshot-Knothole, Events Annie, Nancy, Ruth, Dixie, Ray, Badger, Simon, Encore, Harry, Grable and Climax.
- Part 5. Operation Teapot, Events Wasp, Moth, Tesla, Turk, Hornet, Bee, Ess, Apple I, Wasp Prime, HA, Post, Met, Apple II and Zucchini.
- Part 6. Operation Plumbob, Events Boltzmann, Franklin, Wilson, Priscilla, Hood, Diablo, John, Kepler, Owens, Pascal A, Stokes, Shasta, Doppler, Franklin Prime, Smoky, Galileo, Wheeler, Coulomb B, Laplace, Fizeau, Newton, Whitney, Charleston, Morgan and Coulomb C.
- Part 7. Operation Hardtack II, Events Otero, Eddy, Mora, Hidalgo, Quay, Lea, Hamilton, Dona Ana, Vesta, Rio Arriba, Socorro, Wrangell, Rushmore, Catron, Sanford, Debaca, Chavez, Humboldt, Titania and Santa Fe.
- Part 8. Operations Nougat through Bowline, Events Danny Boy, Sedan, Johnny Boy, Small Boy, Little Feller I, Sulky, Palanquin, Cabriolet, Buggy and Schooner.

Each part of the report contains 11 pages of data relating to each Event covered by that part of the report.



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Results of Calculations of External Gamma Radiation Exposure Rates from Fallout and the Related Radionuclide Compositions

Operations Nougat through Bowline, 1962-1968

ABSTRACT

This report presents data on calculated gamma radiation exposure rates and ground deposition of related radionuclides resulting from Events that deposited detectable radioactivity outside the Nevada Test Site complex.

INTRODUCTION

The Events which deposited detectable radioactivity outside the Nevada Test Site complex¹ are listed in Table. 1.

RESULTS

Results of the calculations of relative external gamma radiation exposure rate and related radionuclide ground deposition are given in the Appendices. These calculations are described in detail in Ref. 2. The output of the calculation has 30 decay times, 10 from 1 to 21 h, 10 from 1 to 300 d, and 10 from 1 to 50 y. For each of these times and for zero time there are values of the external gamma radiation exposure rate normalized to 1 mR/h, 1 m above the surface, 12 h after the event, the associated values of $\mu\text{Ci}/\text{m}^2$ for each radionuclide, and the total $\mu\text{Ci}/\text{m}^2$.

The ^{233}U , ^{235}U , ^{238}U and $^{239,240}\text{Pu}$ data were omitted primarily to keep the output unclassified. Furthermore, the natural uranium content of the soil is about one million times that received from fallout and at least half of the plutonium in Nevada and Utah soils comes from worldwide fallout.³

TABLE 1. Yield, date and placement of Events of Operations Nougat through Bowline, 1962-1968

Shot Name	Yield (kt)	Date	Placement
Danny Boy	0.43	Mar. 5, 1962	Buried 110 ft
Sedan	104	July 6, 1962	Buried 635 ft
Johnny Boy	0.5	July 11, 1962	Buried 2 ft
Small Boy	Low	July 14, 1962	Low Tower
Little Feller I	Low	July 17, 1962	Surface
Sulky	0.092	Dec. 18, 1964	Buried 90 ft
Palanquin	4.3	April 14, 1965	Buried 280 ft
Cabriolet	2.3	Jan. 26, 1968	Buried 171 ft
Buggy	5.4	Mar. 12, 1968	Buried 135 ft
Schooner	30	Dec. 8, 1968	Buried 355 ft

Surface roughness effects are simulated by using Beck's values⁴ of (mR/h)/(μCi/m²) for a relaxation length of 0.16 g/cm². According to Beck, the concentration of fallout varies exponentially with soil depth, Z, according to the relation $C = C_0 e^{-\alpha Z}$. He defines relaxation length as $1/\alpha$.

Fractionation effects were simulated by the removal of a fraction of the refractory nuclides from the calculation. In general, air drops were assumed to be unfractionated, surface and cratering Events were assumed to have 0.4 of the refractory elements present, and all other Events were assumed to have 0.5 of the refractory elements present.

Each Appendix contains 11 pages of calculated results relating to one Event in Table 1. Each set of 11 pages is marked Page 2 through Page 12 at the top and A2 through A12 (or B2 through B12, etc.) at the bottom. Page 2 of each set gives the external gamma-ray exposure rates and associated values of total microcuries per square meter at 30 decay intervals and at zero time. Note that the totals at zero time include only the nuclides listed in Pages 3 through 12, not all the nuclides present at zero time. Calculated values for each radionuclide at various decay intervals are given in the remaining pages—from 1 to 21 h in Pages 3-7, from 1 to 300 d in Page 8-11, and from 1 to 50 y in Page 12. Unless otherwise indicated, the value for each nuclide at zero time is the result of a radiochemical measurement. The measurements were performed on debris samples taken by aircraft approximately 1 to 4 h after detonation. The production of nuclides designated by (*) has been estimated. When no estimate could be made, the value appears as zero.

REFERENCES

1. *Announced United States Nuclear Tests, July, 1945, through December, 1980*, Office of Public Affairs, Nevada Operations Office, Department of Energy, Las Vegas, NV, NVO-209, Rev. 1, January 1981.
2. H. G. Hicks, *Calculation of the Concentration of Any Radionuclide Deposited on the Ground by Fallout from a Nuclear Detonation*, Lawrence Livermore National Laboratory, Livermore, CA, Preprint UCRL-86177 (1981). Accepted for publication in *Health Physics*.
3. E. Hardy, *Plutonium in Soil Northeast of the Nevada Test Site*, Environmental Measurements Laboratory, Department of Energy, New York, NY, HASL-306, pg. 1-51, July 1, 1976.
4. H. L. Beck, *Exposure Rate Conversion Factors for Radionuclides Deposited on the Ground*, Environmental Measurements Laboratory, Department of Energy, New York, NY, EML-387, July, 1980.

APPENDIX A
DETAILED RESULTS FOR EVENT DANNY BOY

DANNY BOY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	9.61E+01	9.65E+03
1.00E+00	2.78E+01	1.84E+03
2.00E+00	1.10E+01	6.94E+02
3.00E+00	5.97E+00	4.14E+02
4.00E+00	3.80E+00	2.99E+02
6.00E+00	2.10E+00	1.98E+02
9.00E+00	1.32E+00	1.36E+02
1.20E+01	1.00E+00	1.04E+02
1.50E+01	8.03E-01	8.35E+01
1.80E+01	6.64E-01	6.92E+01
2.10E+01	5.59E-01	5.88E+01
1.00E+00 DAYS	4.74E-01	5.03E+01
2.00E+00	1.97E-01	2.29E+01
5.00E+00	6.24E-02	8.26E+00
1.00E+01	2.87E-02	3.68E+00
2.00E+01	1.16E-02	1.55E+00
3.00E+01	6.74E-03	9.64E-01
5.00E+01	3.17E-03	5.41E-01
1.00E+02	1.08E-03	2.34E-01
2.00E+02	3.51E-04	8.33E-02
3.00E+02	1.46E-04	4.45E-02
1.00E+00 YEARS	9.34E-05	3.41E-02
1.50E+00	4.15E-05	2.13E-02
2.00E+00	2.83E-05	1.53E-02
3.50E+00	1.55E-05	6.97E-03
5.00E+00	1.09E-05	4.04E-03
7.00E+00	8.56E-06	2.70E-03
1.00E+01	7.16E-06	2.10E-03
2.00E+01	5.13E-06	1.50E-03
3.50E+01	3.53E-06	1.04E-03
5.00E+01	2.48E-06	7.30E-04

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	5.45E-02	9.41E+00	2.54E+00	6.88E-01	1.86E-01	1.36E-02	2.69E-04	5.31E-06	1.05E-07	2.08E-09	4.10E-11
KR 85M	1.92E-03	4.12E+00	3.50E+00	2.99E+00	2.56E+00	1.87E+00	1.16E+00	7.26E-01	4.53E-01	2.81E-01	1.76E-01
KR 87	3.13E+01	1.81E+01	1.05E+01	6.04E+00	3.49E+00	1.17E+00	2.27E-01	4.39E-02	8.51E-03	1.65E-03	3.18E-04
KR 88	1.59E+01	1.24E+01	9.68E+00	7.55E+00	5.90E+00	3.58E+00	1.71E+00	8.15E-01	3.87E-01	1.84E-01	8.77E-02
RRB 88	4.04E+00	1.25E+01	1.07E+01	8.43E+00	6.59E+00	4.01E+00	1.92E+00	9.13E-01	4.35E-01	2.07E-01	9.82E-02
RB 89	2.19E+01	2.06E+01	1.39E+00	9.31E-02	6.24E-03	2.82E-05	8.55E-09	2.58E-12	7.86E-16	2.38E-19	7.22E-23
SR 89	1.68E-06	5.90E-02	6.29E-02	6.29E-02	6.29E-02	6.29E-02	6.29E-02	6.26E-02	6.26E-02	6.24E-02	6.24E-02
SR 90	3.28E-06	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04
SR 91	4.15E-01	7.72E+00	7.20E+00	6.71E+00	6.24E+00	5.40E+00	4.36E+00	3.52E+00	2.84E+00	2.28E+00	1.84E+00
Y 91M	2.79E-05	2.66E+00	3.63E+00	3.89E+00	3.84E+00	3.44E+00	2.82E+00	2.27E+00	1.83E+00	1.47E+00	1.19E+00
Y 91	1.14E-08	2.37E-03	5.45E-03	8.72E-03	1.19E-02	1.78E-02	2.53E-02	3.13E-02	3.63E-02	4.02E-02	4.33E-02
SR 92	2.71E+00	1.21E+01	9.38E+00	7.26E+00	5.62E+00	3.36E+00	1.56E+00	7.26E-01	3.36E-01	1.56E-01	7.27E-02
Y 92	1.25E-01	2.55E+00	3.99E+00	4.75E+00	5.04E+00	4.80E+00	3.68E+00	2.51E+00	1.61E+00	9.93E-01	5.99E-01
SR 93	1.27E+02	2.18E+00	1.20E-02	6.65E-05	3.66E-07	1.12E-11	1.89E-18	3.19E-25	5.38E-32	9.07E-39	1.53E-45
Y 93	1.54E-01	4.99E+00	4.69E+00	4.39E+00	4.10E+00	3.58E+00	2.91E+00	2.38E+00	1.93E+00	1.59E+00	1.29E+00
Y 94	1.90E+01	2.59E+01	3.34E+00	4.30E-01	5.55E-02	9.22E-04	1.98E-06	4.24E-09	9.07E-12	1.98E-14	1.10E-15
Y 95	8.79E+01	8.29E+00	1.83E-01	4.03E-03	8.87E-05	4.30E-08	4.61E-13	4.93E-18	5.26E-23	5.62E-28	6.01E-33
ZR 95	3.30E-04	4.32E-02	4.40E-02	4.40E-02	4.40E-02	4.40E-02	4.40E-02	4.39E-02	4.39E-02	4.38E-02	4.38E-02
NB 95	3.68E-11	2.67E-05	6.21E-05	9.76E-05	1.33E-04	2.04E-04	3.10E-04	4.47E-04	5.22E-04	6.27E-04	7.32E-04
ZR 97	8.93E-01	3.89E+00	3.72E+00	3.58E+00	3.43E+00	3.17E+00	2.80E+00	2.47E+00	2.20E+00	1.94E+00	1.72E+00
NB 97M	4.60E-03	3.74E+00	3.58E+00	3.44E+00	3.30E+00	3.04E+00	2.69E+00	2.38E+00	2.11E+00	1.86E+00	1.64E+00
NB 97	4.47E-01	1.95E+00	2.75E+00	3.14E+00	3.29E+00	3.27E+00	2.98E+00	2.66E+00	2.35E+00	2.08E+00	1.84E+00
NB 98	5.37E+00	2.38E+00	1.05E+00	4.65E-01	2.06E-01	4.03E-02	3.49E-03	3.01E-04	2.62E-05	2.27E-06	1.95E-07
MO 99	3.06E-03	1.26E+00	1.25E+00	1.24E+00	1.22E+00	1.20E+00	1.16E+00	1.13E+00	1.09E+00	1.06E+00	1.03E+00
TC 99M	2.85E-08	1.20E-01	2.26E-01	3.20E-01	4.02E-01	5.36E-01	6.80E-01	7.72E-01	8.28E-01	8.60E-01	8.73E-01
MO 101	1.32E+02	5.95E+01	3.45E+00	2.00E-01	1.16E-02	3.89E-05	7.56E-09	1.47E-12	2.86E-16	5.56E-20	1.08E-23
TC 101	5.56E+00	1.67E+02	1.82E+01	1.50E+00	1.09E-01	4.91E-04	1.23E-07	2.75E-11	5.84E-15	1.20E-18	2.43E-22
MO 102	1.26E+03	2.87E+01	6.53E-01	1.49E-02	3.40E-04	1.77E-07	2.10E-12	2.49E-17	2.96E-22	3.51E-27	4.17E-32
TC 102M	8.09E-01	2.43E+01	5.56E-01	1.27E-02	2.90E-04	1.50E-07	1.78E-12	2.11E-17	2.50E-22	2.97E-27	3.52E-32
TC 102	3.79E+03	1.44E+01	3.30E-01	7.49E-03	1.71E-04	8.93E-08	1.06E-12	1.26E-17	1.49E-22	1.77E-27	2.10E-32
RU 103	1.07E-04	2.47E-01	2.47E-01	2.47E-01	2.47E-01	2.46E-01	2.45E-01	2.45E-01	2.44E-01	2.44E-01	2.43E-01
RH 103M	7.11E-09	1.28E-01	1.89E-01	2.19E-01	2.34E-01	2.43E-01	2.45E-01	2.45E-01	2.44E-01	2.44E-01	2.44E-01
TC 104	1.05E+02	7.52E+01	7.52E+00	7.44E-01	7.36E-02	7.25E-04	7.08E-07	6.92E-10	6.76E-13	6.60E-16	6.45E-19
RU 105	1.03E+00	3.56E+01	3.04E+01	2.61E+01	2.23E+01	1.63E+01	1.02E+01	6.38E+00	3.99E+00	2.50E+00	1.57E+00
RH 105M	6.77E-03	3.57E+01	3.05E+01	2.61E+01	2.23E+01	1.64E+01	1.02E+01	6.41E+00	4.01E+00	2.51E+00	1.57E+00
RH 105	1.11E-08	7.24E-01	1.34E+00	1.85E+00	2.28E+00	2.92E+00	3.49E+00	3.75E+00	3.83E+00	3.79E+00	3.69E+00
RU 106	9.76E-04	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02
RH 106	1.06E-05	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02
RH 107	3.23E-01	4.38E+01	6.65E+00	1.00E+00	1.51E-01	3.44E-03	1.19E-05	4.09E-08	1.41E-10	4.81E-14	4.79E-17
PD 107M	6.71E-04	8.92E+00	1.35E+00	2.04E-01	3.07E-02	7.01E-04	2.41E-06	8.32E-09	2.86E-11	9.88E-14	3.37E-16

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.84E-02	1.53E+00	1.45E+00	1.37E+00	1.30E+00	1.18E+00	1.01E+00	8.68E-01	7.44E-01	6.37E-01	5.47E-01
AG109M	1.06E-04	1.53E+00	1.45E+00	1.38E+00	1.31E+00	1.18E+00	1.01E+00	8.68E-01	7.44E-01	6.37E-01	5.47E-01
PD111M	2.16E+00	1.90E+00	1.67E+00	1.48E+00	1.30E+00	1.01E+00	6.94E-01	4.76E-01	3.26E-01	2.23E-01	1.53E-01
PD111	7.68E-01	1.39E+00	1.33E+00	1.18E+00	1.05E+00	8.13E-01	5.58E-01	3.82E-01	2.62E-01	1.80E-01	1.23E-01
AG111M	6.10E-03	1.87E+00	1.76E+00	1.57E+00	1.39E+00	1.07E+00	7.32E-01	5.02E-01	3.44E-01	2.36E-01	1.61E-01
AG111	2.17E-09	6.44E-03	1.35E-02	1.99E-02	2.55E-02	3.48E-02	4.47E-02	5.12E-02	5.55E-02	5.81E-02	5.97E-02
PD112	3.86E-01	3.74E-01	3.61E-01	3.49E-01	3.39E-01	3.16E-01	2.87E-01	2.60E-01	2.35E-01	2.13E-01	1.93E-01
AG112	1.16E-05	7.40E-02	1.31E-01	1.75E-01	2.08E-01	2.49E-01	2.74E-01	2.73E-01	2.60E-01	2.42E-01	2.24E-01
AG113	2.87E-03	6.14E-01	5.38E-01	4.73E-01	4.14E-01	3.19E-01	2.16E-01	1.46E-01	9.83E-02	6.64E-02	4.49E-02
AG115	8.08E-01	8.66E-01	1.08E-01	1.35E-02	1.69E-03	2.64E-05	3.15E-08	1.01E-10	1.95E-13	1.94E-16	1.80E-16
CD115M	6.61E-09	1.76E-04	1.98E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	1.99E-04	1.98E-04	1.98E-04
CD115	2.55E-06	4.81E-02	5.18E-02	5.16E-02	5.10E-02	4.97E-02	4.79E-02	4.60E-02	4.43E-02	4.26E-02	4.09E-02
IN115M	3.18E-11	5.31E-03	1.18E-02	1.75E-02	2.23E-02	2.98E-02	3.68E-02	4.05E-02	4.22E-02	4.26E-02	4.23E-02
CD117	5.59E-02	9.30E-01	7.01E-01	5.24E-01	3.92E-01	2.20E-01	9.24E-02	3.89E-02	1.64E-02	6.88E-03	2.90E-03
IN117M	2.69E-06	3.24E-01	4.68E-01	5.08E-01	4.91E-01	3.87E-01	2.21E-01	1.13E-01	5.45E-02	2.52E-02	1.14E-02
IN117	1.08E-10	5.90E-02	1.43E-01	1.99E-01	2.21E-01	2.04E-01	1.30E-01	6.95E-02	3.45E-02	1.62E-02	7.47E-03
CD118	3.63E+00	1.56E+00	6.68E-01	2.85E-01	1.22E-01	2.23E-02	1.75E-03	1.37E-04	1.08E-05	8.44E-07	6.62E-08
IN118	2.41E-01	1.56E+00	6.68E-01	2.86E-01	1.22E-01	2.24E-02	1.75E-03	1.38E-04	1.08E-05	8.44E-07	6.62E-08
CD119	9.11E+00	1.42E-01	2.22E-03	3.47E-05	5.42E-07	1.33E-10	5.05E-16	1.93E-21	7.34E-27	2.81E-32	1.07E-37
IN119M	1.37E-02	1.54E+00	1.67E-01	1.69E-02	1.68E-03	1.65E-05	1.61E-08	1.58E-11	1.54E-14	1.50E-17	1.47E-20
IN119	6.77E-01	8.09E-02	9.38E-03	9.52E-04	9.52E-05	9.32E-07	9.11E-10	8.91E-13	8.70E-16	8.50E-19	8.30E-22
SN121	1.15E-03	1.19E-01	1.15E-01	1.12E-01	1.10E-01	1.04E-01	9.62E-02	8.94E-02	8.26E-02	7.65E-02	7.11E-02
SN123M	6.91E-01	1.29E+00	4.58E-01	1.62E-01	5.73E-02	7.15E-03	3.16E-04	1.40E-05	6.20E-07	2.74E-08	1.21E-09
SN123	6.50E-06	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04	6.79E-04
SN125	1.88E-02	1.88E-02	1.87E-02	1.87E-02	1.86E-02	1.85E-02	1.83E-02	1.81E-02	1.80E-02	1.78E-02	1.77E-02
SB125	1.13E-04	1.14E-04	1.14E-04	1.15E-04	1.15E-04	1.16E-04	1.18E-04	1.20E-04	1.21E-04	1.22E-04	1.24E-04
SB126	3.37E-03	3.36E-03	3.35E-03	3.35E-03	3.34E-03	3.32E-03	3.30E-03	3.28E-03	3.25E-03	3.23E-03	3.21E-03
SN127	3.41E+00	2.45E+00	1.76E+00	1.27E+00	9.14E-01	4.71E-01	1.75E-01	6.51E-02	2.41E-02	8.97E-03	3.33E-03
SB127	3.98E-02	1.37E-01	1.52E-01	1.62E-01	1.69E-01	1.76E-01	1.79E-01	1.77E-01	1.75E-01	1.71E-01	1.67E-01
TE127	2.25E-02	2.80E-02	3.40E-02	4.04E-02	4.67E-02	5.85E-02	7.49E-02	8.75E-02	9.74E-02	1.05E-01	1.10E-01
SN128	2.32E+01	1.15E+01	5.68E+00	2.81E+00	1.39E+00	3.38E-01	4.09E-02	4.93E-03	5.95E-04	7.21E-05	8.69E-06
SB128M	1.18E-02	1.31E+01	6.78E+00	3.35E+00	1.65E+00	4.04E-01	4.87E-02	5.88E-03	7.09E-04	8.57E-05	1.04E-05
SB128	9.80E-01	9.43E-01	8.88E-01	8.32E-01	7.77E-01	6.66E-01	5.31E-01	4.22E-01	3.35E-01	2.66E-01	2.11E-01
SN129M	1.38E+01	6.87E+00	3.45E+00	1.72E+00	8.62E-01	2.16E-01	2.70E-02	3.37E-03	4.21E-04	5.27E-05	6.58E-06
SN129	9.20E+01	3.03E-01	8.91E-03	8.80E-05	8.62E-07	8.39E-11	7.98E-17	7.63E-23	7.28E-29	6.93E-35	6.64E-41
SB129	5.18E+00	8.68E+00	8.16E+00	7.28E+00	6.41E+00	4.76E+00	2.97E+00	1.83E+00	1.13E+00	6.99E-01	4.30E-01
TE129M	9.79E-08	1.08E-03	2.23E-03	3.28E-03	4.21E-03	5.71E-03	7.22E-03	8.16E-03	8.74E-03	9.09E-03	9.32E-03
TE129	3.73E+00	5.13E+00	6.00E+00	6.23E+00	6.00E+00	4.97E+00	3.31E+00	2.09E+00	1.30E+00	8.04E-01	4.99E-01
SB130M	5.37E-01	1.01E+00	2.66E-03	6.99E-06	1.84E-08	1.27E-13	2.31E-21	4.21E-29	7.63E-37	1.39E-44	2.52E-52
SB130	9.21E+01	2.79E+01	7.92E+00	2.24E+00	6.35E-01	5.11E-02	1.17E-03	2.66E-05	6.06E-07	1.38E-08	3.15E-10

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	2.56E-02	2.42E-02	2.30E-02	2.17E-02	2.05E-02	1.84E-02	1.55E-02	1.31E-02	1.11E-02	9.38E-03	7.92E-03
SB131	2.00E+02	5.22E+01	8.54E+00	1.40E+00	2.30E-01	6.19E-03	2.73E-05	1.20E-07	5.30E-10	2.34E-12	1.17E-14
TE131M	9.62E-05	5.03E-01	5.74E-01	5.75E-01	5.64E-01	5.39E-01	5.03E-01	4.69E-01	4.38E-01	4.08E-01	3.81E-01
TE131	8.86E+01	9.62E+01	3.13E+01	8.16E+00	1.98E+00	1.86E-01	9.24E-02	8.54E-02	7.96E-02	7.45E-02	6.94E-02
I131	1.29E-02	4.46E-01	6.56E-01	7.20E-01	7.33E-01	7.39E-01	7.39E-01	7.33E-01	7.33E-01	7.26E-01	7.26E-01
TE132	8.77E-01	2.13E+00	2.11E+00	2.09E+00	2.07E+00	2.04E+00	1.98E+00	1.93E+00	1.88E+00	1.83E+00	1.78E+00
I132	2.15E+00	2.15E+00	2.14E+00	2.13E+00	2.11E+00	2.09E+00	2.04E+00	1.99E+00	1.93E+00	1.89E+00	1.84E+00
TE133M	1.03E-01	3.56E+01	1.55E+01	6.75E+00	2.94E+00	5.58E-01	4.59E-02	3.79E-03	3.12E-04	2.57E-05	2.12E-06
TE133	5.77E+02	3.27E+01	3.64E+00	1.20E+00	5.09E-01	9.64E-02	7.98E-03	6.56E-04	5.43E-05	4.47E-06	3.68E-07
I133	8.95E-01	9.64E+00	1.04E+01	1.04E+01	1.02E+01	9.69E+00	8.81E+00	7.98E+00	7.19E+00	6.56E+00	5.92E+00
XE133M	3.81E-08	2.17E-03	5.24E-03	8.37E-03	1.14E-02	1.71E-02	2.48E-02	3.15E-02	3.71E-02	4.19E-02	4.59E-02
XE133	6.66E-07	3.79E-02	9.20E-02	1.47E-01	2.02E-01	3.05E-01	4.48E-01	5.73E-01	6.85E-01	7.83E-01	8.71E-01
TE134	1.89E+02	8.76E+01	3.26E+01	1.21E+01	4.50E+00	6.24E-01	3.19E-02	1.63E-03	8.37E-05	4.30E-06	2.20E-07
I134	8.66E+01	1.16E+02	8.12E+01	4.76E+01	2.55E+01	6.49E+00	7.13E-01	7.28E-02	7.13E-03	6.83E-04	6.49E-05
I135	1.51E+01	2.66E+01	2.40E+01	2.16E+01	1.95E+01	1.59E+01	1.16E+01	8.51E+00	6.25E+00	4.60E+00	3.36E+00
XE135M	1.67E-03	7.69E+00	7.47E+00	6.77E+00	6.08E+00	4.95E+00	3.63E+00	2.66E+00	1.95E+00	1.43E+00	1.05E+00
XE135	1.74E+00	3.44E+00	5.04E+00	6.34E+00	7.38E+00	8.86E+00	9.81E+00	9.86E+00	9.38E+00	8.56E+00	7.64E+00
CS136	1.71E-02	1.70E-02	1.70E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.66E-02	1.65E-02	1.64E-02	1.63E-02
CS137	7.84E-05	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04
BA137M	1.65E-07	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04
XE138	4.76E+02	4.10E+01	3.56E+00	3.08E-01	2.67E-02	2.00E-04	1.30E-07	8.45E-11	5.50E-14	3.57E-17	2.32E-20
CS138	7.08E+01	1.19E+02	4.13E+01	1.21E+01	3.40E+00	2.59E-01	5.39E-03	1.12E-04	2.32E-06	4.83E-08	1.00E-09
CS139	6.01E+02	1.92E+01	2.40E+01	3.02E-03	3.79E-05	5.95E-09	1.18E-14	2.34E-20	4.63E-26	9.19E-32	1.81E-37
BA139	1.11E+01	1.24E+02	7.63E+01	4.63E+01	2.80E+01	1.03E+01	2.28E+00	5.07E-01	1.13E-01	2.50E-02	5.55E-03
BA140	7.59E-02	4.73E-01	4.73E-01	4.70E-01	4.70E-01	4.66E-01	4.66E-01	4.62E-01	4.59E-01	4.55E-01	4.52E-01
LA140	1.80E-07	8.09E-03	1.60E-02	2.39E-02	3.14E-02	4.62E-02	6.76E-02	8.74E-02	1.06E-01	1.24E-01	1.41E-01
BA141	1.08E+02	3.26E+01	3.24E+00	3.21E-01	3.18E-02	3.16E-04	3.08E-07	3.00E-10	2.93E-13	2.88E-16	2.80E-19
LA141	9.96E-01	2.11E+01	1.97E+01	1.67E+01	1.40E+01	9.81E+00	5.75E+00	3.36E+00	1.98E+00	1.16E+00	6.81E-01
CE141	1.23E-07	1.37E-02	3.21E-02	4.83E-02	6.19E-02	8.30E-02	1.03E-01	1.15E-01	1.21E-01	1.25E-01	1.27E-01
BA142	1.98E+02	7.87E+00	1.80E-01	4.10E-03	9.33E-05	4.85E-08	5.76E-13	6.83E-18	8.11E-23	9.62E-28	1.14E-32
LA142	4.55E+00	3.16E+01	2.09E+01	1.32E+01	8.43E+00	3.41E+00	8.80E-01	2.27E-01	5.84E-02	1.50E-02	3.88E-03
LA143	6.61E+01	1.29E+01	6.61E-01	3.40E-02	1.75E-03	4.57E-06	6.17E-10	8.31E-14	1.12E-17	1.51E-21	2.04E-25
CE143	2.64E-02	1.68E+00	1.75E+00	1.70E+00	1.67E+00	1.61E+00	1.51E+00	1.41E+00	1.33E+00	1.25E+00	1.17E+00
PR143	7.73E-09	2.58E-03	6.23E-03	9.84E-03	1.34E-02	2.02E-02	2.98E-02	3.89E-02	4.73E-02	5.52E-02	6.24E-02
CE144	9.84E-04	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.04E-03	7.04E-03	7.04E-03	7.04E-03	7.04E-03
PR144	2.70E-07	6.42E-03	6.99E-03	7.04E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.04E-03	7.04E-03	7.04E-03
PR145	4.44E-02	6.52E+00	5.80E+00	5.16E+00	4.61E+00	3.65E+00	2.57E+00	1.82E+00	1.29E+00	9.08E-01	6.42E-01
CE146	1.46E+02	7.48E+00	3.83E-01	1.96E-02	1.01E-03	2.66E-06	3.58E-10	4.82E-14	6.49E-18	8.76E-22	1.18E-25
PR146	3.02E+00	2.62E+01	5.95E+00	1.12E+00	2.01E-01	6.32E-03	3.49E-05	1.93E-07	1.07E-09	5.89E-12	3.22E-14
PR147	1.66E+01	4.81E+00	1.50E-01	4.69E-03	1.47E-04	1.43E-07	4.37E-12	1.34E-16	4.08E-21	1.25E-25	3.79E-30

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	5.94E-06	1.12E-01	1.15E-01	1.15E-01	1.14E-01	1.14E-01	1.13E-01	1.12E-01	1.11E-01	1.10E-01	1.09E-01	1.09E-01
ND149	1.06E+01	7.21E+00	4.90E+00	3.34E+00	2.26E+00	1.05E+00	3.30E-01	1.04E-01	3.28E-02	1.03E-02	3.26E-03	3.26E-03
PM149	1.48E-03	1.15E-01	1.91E-01	2.42E-01	2.74E-01	3.08E-01	3.20E-01	3.14E-01	3.06E-01	2.94E-01	2.84E-01	2.84E-01
PM150	1.33E-01	1.03E-01	7.97E-02	6.15E-02	4.75E-02	2.85E-02	1.32E-02	6.11E-03	2.83E-03	1.31E-03	6.06E-04	6.06E-04
ND151	5.41E+01	1.69E+00	5.29E-02	1.65E-03	5.17E-05	5.05E-08	1.54E-12	4.71E-17	1.43E-21	4.37E-26	1.34E-30	1.34E-30
PM151	3.43E-02	4.01E-01	4.03E-01	3.94E-01	3.84E-01	3.65E-01	3.38E-01	3.14E-01	2.92E-01	2.70E-01	2.51E-01	2.51E-01
PM152	9.14E+01	8.94E-02	8.72E-05	8.52E-08	8.32E-11	7.94E-17	7.40E-26	6.90E-35	6.43E-44	6.00E-53	5.58E-62	5.58E-62
SM153	1.29E-01	1.27E-01	1.26E-01	1.24E-01	1.22E-01	1.18E-01	1.13E-01	1.08E-01	1.04E-01	9.94E-02	9.50E-02	9.50E-02
SM155	9.38E+00	1.54E+00	2.53E-01	4.13E-02	6.77E-03	1.82E-04	8.04E-07	3.54E-09	1.56E-11	6.96E-14	1.71E-16	1.71E-16
EU155	6.90E-06	1.97E-04	2.28E-04	2.33E-04	2.34E-04	2.34E-04	2.34E-04	2.34E-04	2.34E-04	2.34E-04	2.34E-04	2.34E-04
SM156	1.95E-01	1.81E-01	1.69E-01	1.57E-01	1.45E-01	1.25E-01	1.01E-01	8.06E-02	6.47E-02	5.18E-02	4.14E-02	4.14E-02
EU156	5.71E-04	9.32E-04	1.27E-03	1.58E-03	1.86E-03	2.38E-03	3.02E-03	3.50E-03	3.92E-03	4.23E-03	4.45E-03	4.45E-03
EU157	3.11E-02	1.03E-01	9.85E-02	9.42E-02	8.98E-02	8.21E-02	7.16E-02	6.25E-02	5.45E-02	4.74E-02	4.14E-02	4.14E-02
EU158	1.40E+00	5.69E-01	2.30E-01	9.32E-02	3.77E-02	6.17E-03	4.11E-04	2.73E-05	1.81E-06	1.20E-07	7.99E-09	7.99E-09
EU159	1.68E+00	1.67E-01	1.65E-02	1.64E-03	1.62E-04	1.60E-06	1.57E-09	1.53E-12	1.49E-15	1.46E-18	1.42E-21	1.42E-21
GD159	7.18E-03	3.15E-02	3.27E-02	3.17E-02	3.05E-02	2.83E-02	2.52E-02	2.25E-02	2.00E-02	1.78E-02	1.59E-02	1.59E-02
TB161	1.00E-04	7.19E-04	7.15E-04	7.12E-04	7.10E-04	7.03E-04	6.96E-04	6.86E-04	6.77E-04	6.70E-04	6.60E-04	6.60E-04
TOTAL	9.65E+03	1.84E+03	6.94E+02	4.14E+02	2.99E+02	1.98E+02	1.36E+02	1.04E+02	8.35E+01	6.92E+01	5.88E+01	5.88E+01

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NA 24	8.62E+00	2.84E+00	9.38E-01	3.36E-02	1.32E-04	2.01E-09	3.07E-14	7.14E-24	0.	0.	0.	0.
*MN 54	6.53E-06	6.47E-06	6.47E-06	6.36E-06	6.30E-06	6.18E-06	6.07E-06	5.78E-06	5.16E-06	4.10E-06	3.27E-06	0.
*FE 55	2.31E-04	2.31E-04	2.31E-04	2.30E-04	2.29E-04	2.28E-04	2.26E-04	2.23E-04	2.14E-04	2.00E-04	1.85E-04	0.
*FE 59	1.28E-04	1.26E-04	1.24E-04	1.19E-04	1.10E-04	9.42E-05	8.07E-05	5.93E-05	2.75E-05	5.88E-06	1.26E-06	0.
*CO 57	1.30E-05	1.30E-05	1.29E-05	1.29E-05	1.27E-05	1.23E-05	1.20E-05	1.15E-05	1.01E-05	7.81E-06	6.05E-06	0.
*CO 58	2.72E-02	2.69E-02	2.66E-02	2.58E-02	2.47E-02	2.24E-02	2.03E-02	1.67E-02	1.03E-02	3.89E-03	1.47E-03	0.
*CO 60	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.47E-05	6.47E-05	6.43E-05	6.40E-05	6.24E-05	6.05E-05	5.82E-05	0.
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W187	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W188	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU198	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*PB203	5.01E-04	3.63E-04	1.39E-04	2.82E-05	1.16E-06	4.76E-08	7.99E-11	9.34E-18	0.	0.	0.	0.
U237	1.42E-03	1.28E-03	1.16E-03	8.51E-04	5.09E-04	1.82E-04	6.53E-05	8.35E-06	4.93E-08	5.30E-12	3.58E-12	0.
*U240	2.04E-01	6.28E-02	1.93E-02	5.59E-04	1.53E-06	1.15E-11	8.67E-17	4.89E-27	0.	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.39E-03	3.65E+00	2.72E+00	1.12E+00	2.57E-01	1.34E-02	7.03E-04	1.93E-06	7.58E-13	1.81E-22	1.81E-22	0.
*NP240M	3.22E-04	6.32E-02	1.94E-02	5.62E-04	1.54E-06	1.16E-11	8.75E-17	4.93E-27	0.	0.	0.	0.
*AM241	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05
*CM242	3.23E-05	3.22E-05	3.20E-05	3.17E-05	3.10E-05	2.97E-05	2.85E-05	2.61E-05	2.13E-05	1.38E-05	9.05E-06	0.
GE 77	5.77E-03	3.63E-03	8.31E-04	1.00E-05	6.39E-09	2.59E-15	1.04E-21	1.70E-34	0.	0.	0.	0.
AS 77	5.96E-05	8.80E-03	6.37E-03	1.84E-03	2.16E-04	2.93E-06	3.98E-08	7.33E-12	3.40E-21	7.29E-40	1.56E-58	0.
SE 77M	2.35E-09	2.65E-05	1.91E-05	5.54E-06	6.45E-07	8.78E-09	1.19E-10	2.20E-14	1.02E-23	2.18E-42	4.70E-61	0.
AS 78	1.73E-02	1.54E-04	4.50E-09	3.80E-23	0.	0.	0.	0.	0.	0.	0.	0.
BR 82	3.42E-04	2.14E-04	1.34E-04	3.25E-05	3.08E-06	2.76E-08	2.48E-10	2.00E-14	1.17E-24	4.01E-45	1.37E-65	0.
BR 83	2.39E-01	6.30E-03	6.34E-06	6.44E-15	6.57E-30	0.	0.	0.	0.	0.	0.	0.
KR 83M	1.24E-05	2.76E-02	3.13E-05	2.81E-14	2.89E-29	0.	0.	0.	0.	0.	0.	0.
KR 85M	1.92E-03	1.10E-01	2.50E-03	2.97E-08	1.83E-16	6.96E-33	2.63E-49	0.	0.	0.	0.	0.
KR 85	1.99E-06	5.22E-05	5.32E-05	5.32E-05	5.32E-05	5.32E-05	5.32E-05	5.30E-05	5.24E-05	5.14E-05	5.06E-05	0.
KR 87	3.13E+01	6.18E-05	1.22E-10	9.47E-28	0.	0.	0.	0.	0.	0.	0.	0.
KR 88	1.59E+01	4.18E-02	1.10E-04	1.99E-12	2.51E-25	0.	0.	0.	0.	0.	0.	0.
RB 88	4.04E+00	4.66E-02	1.23E-04	2.23E-12	2.80E-25	0.	0.	0.	0.	0.	0.	0.
SR 89	1.68E-06	5.04E-02	4.96E-02	4.77E-02	4.47E-02	3.91E-02	3.41E-02	2.63E-02	1.34E-02	3.54E-03	9.33E-04	0.
SR 90	3.28E-06	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.37E-04	3.34E-04	3.34E-04	3.31E-04	0.
Y 90	4.86E-12	7.72E-05	1.37E-04	2.45E-04	3.13E-04	3.34E-04	3.37E-04	3.37E-04	3.34E-04	3.34E-04	3.31E-04	0.
SR 91	4.15E-01	1.48E+00	2.66E-01	1.53E-03	2.79E-07	9.47E-15	3.21E-22	3.65E-37	0.	0.	0.	0.

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	3.41E+00	1.24E-03	4.49E-07	2.14E-17	1.35E-34	0.	0.	0.	0.	0.	0.
SB127	3.98E-02	1.64E-01	1.37E-01	7.99E-02	3.27E-02	5.47E-03	9.14E-04	2.55E-05	3.33E-09	5.69E-17	9.68E-25
TE127M	3.22E-10	2.49E-04	4.57E-04	8.86E-04	1.23E-03	1.35E-03	1.30E-03	1.15E-03	8.43E-04	4.45E-04	2.35E-04
TE127	2.25E-02	1.17E-01	1.15E-01	7.00E-02	2.96E-02	6.07E-03	2.08E-03	1.17E-03	8.32E-04	4.40E-04	2.33E-04
SB128	9.80E-01	1.67E-01	2.64E-02	1.03E-04	9.99E-09	9.37E-17	8.82E-25	7.77E-41	0.	0.	0.
SB129	5.18E+00	2.65E-01	5.53E-03	5.04E-08	2.00E-16	3.16E-33	4.99E-50	0.	0.	0.	0.
TE129M	9.79E-08	1.03E-02	1.03E-02	9.73E-03	8.80E-03	7.17E-03	5.83E-03	3.88E-03	1.40E-03	1.82E-04	2.37E-05
TE129	3.73E+00	3.10E-01	1.29E-02	6.23E-03	5.62E-03	4.58E-03	3.74E-03	2.49E-03	8.97E-04	1.17E-04	1.52E-05
I130	2.56E-02	6.70E-03	1.75E-03	3.13E-05	3.83E-08	5.70E-14	8.51E-20	1.89E-31	0.	0.	0.
TE131M	9.62E-05	3.36E-01	1.93E-01	3.66E-02	2.29E-03	8.92E-06	3.49E-08	5.33E-13	4.84E-25	0.	0.
TE131	8.86E+01	6.14E-02	3.52E-02	6.69E-03	4.17E-04	1.63E-06	6.37E-09	9.75E-14	8.86E-26	0.	0.
I131	1.29E-02	6.94E-01	6.56E-01	5.28E-01	3.47E-01	1.47E-01	6.21E-02	1.11E-02	1.50E-04	2.73E-08	4.97E-12
XE131M	3.49E-11	3.22E-04	6.11E-04	1.27E-03	1.82E-03	1.80E-03	1.34E-03	5.52E-04	3.68E-05	1.10E-07	3.11E-10
TE132	8.77E-01	1.74E+00	1.40E+00	7.39E-01	2.55E-01	3.02E-02	3.58E-03	5.02E-05	1.17E-09	6.43E-19	3.51E-28
I132	2.15E+00	1.79E+00	1.45E+00	7.60E-01	2.63E-01	3.11E-02	3.68E-03	5.18E-05	1.21E-09	6.59E-19	3.61E-28
I133	6.95E-01	4.99E+00	2.25E+00	2.09E-01	3.98E-03	1.44E-06	5.24E-10	6.90E-17	4.34E-34	0.	0.
XE133M	3.81E-08	4.71E-02	5.58E-02	3.27E-02	7.68E-03	3.61E-04	1.68E-05	3.64E-08	7.98E-15	3.81E-28	1.83E-41
XE133	6.66E-07	9.05E-01	1.21E+00	1.09E+00	5.92E-01	1.60E-01	4.30E-02	3.10E-03	4.32E-06	8.37E-12	1.62E-17
I135	1.51E+01	2.47E+00	2.06E-01	1.20E-04	4.86E-10	8.03E-21	1.32E-31	3.59E-53	0.	0.	0.
XE135M	1.67E-03	7.69E-01	6.43E-02	3.74E-05	1.52E-10	2.50E-21	4.12E-32	1.12E-53	0.	0.	0.
XE135	1.74E+00	6.64E+00	1.62E+00	9.29E-03	1.14E-06	1.60E-14	2.24E-22	4.43E-38	0.	0.	0.
CS136	1.71E-02	1.62E-02	1.53E-02	1.31E-02	1.00E-02	5.88E-03	3.45E-03	1.19E-03	8.24E-05	3.97E-07	1.93E-09
CS137	7.84E-05	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.40E-04	8.36E-04	8.31E-04
BA137M	1.65E-07	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.89E-04	7.84E-04	7.79E-04	7.75E-04
BA139	1.11E+01	1.18E-03	6.99E-09	1.44E-24	0.	0.	0.	0.	0.	0.	0.
BA140	7.59E-02	4.48E-01	4.26E-01	3.61E-01	2.76E-01	1.60E-01	9.32E-02	3.16E-02	2.11E-03	9.39E-06	4.15E-08
LA140	1.80E-07	1.56E-01	2.51E-01	3.47E-01	3.09E-01	1.85E-01	1.07E-01	3.65E-02	2.42E-03	1.08E-05	4.80E-08
LA141	9.96E-01	3.96E-01	5.55E-03	1.54E-08	8.40E-18	2.51E-36	7.47E-55	0.	0.	0.	0.
CE141	1.23E-07	1.37E-01	1.36E-01	1.27E-01	1.14E-01	9.25E-02	7.45E-02	4.85E-02	1.67E-02	1.96E-03	2.31E-04
LA142	4.55E+00	9.97E-04	1.93E-08	1.42E-22	0.	0.	0.	0.	0.	0.	0.
CE143	2.64E-02	1.09E+00	6.57E-01	1.45E-01	1.16E-02	7.53E-05	4.87E-07	2.04E-11	2.30E-22	0.	0.
PR143	7.73E-09	6.95E-02	1.08E-01	1.40E-01	1.20E-01	7.29E-02	4.40E-02	1.59E-02	1.27E-03	8.08E-06	5.13E-08
CE144	9.84E-04	7.04E-03	7.01E-03	6.96E-03	6.88E-03	6.71E-03	6.55E-03	6.24E-03	5.52E-03	4.32E-03	3.39E-03
PR144	2.70E-07	7.04E-03	7.01E-03	6.96E-03	6.88E-03	6.71E-03	6.55E-03	6.24E-03	5.52E-03	4.32E-03	3.39E-03
PR145	4.44E-02	4.54E-01	2.81E-02	6.66E-06	6.07E-12	5.03E-24	4.17E-36	0.	0.	0.	0.
ND147	5.94E-06	9.98E-02	9.38E-02	7.78E-02	5.69E-02	3.06E-02	1.63E-02	4.69E-03	2.06E-04	4.01E-07	7.77E-10
PM147	1.65E-14	7.47E-05	1.45E-04	3.30E-04	5.71E-04	8.71E-04	1.03E-03	1.15E-03	1.16E-03	1.08E-03	1.00E-03
ND149	1.06E+01	1.02E-03	9.93E-08	9.05E-20	7.73E-40	0.	0.	0.	0.	0.	0.
PM149	1.48E-03	2.72E-01	1.99E-01	7.79E-02	1.63E-02	7.09E-04	3.08E-05	5.86E-08	9.25E-15	2.28E-28	5.68E-42
PM150	1.33E-01	2.81E-04	5.92E-07	5.56E-15	2.32E-28	0.	0.	0.	0.	0.	0.

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	3.43E-02	2.34E-01	1.29E-01	2.17E-02	1.11E-03	2.92E-06	7.70E-09	5.31E-14	6.67E-27	0.	0.
SM153	1.29E-01	9.09E-02	6.38E-02	2.21E-02	3.75E-03	1.09E-04	3.17E-06	2.66E-09	5.49E-17	2.34E-32	9.94E-48
SM156	1.95E-01	3.33E-02	5.68E-03	2.80E-05	4.03E-09	8.29E-17	1.71E-24	7.28E-40	0.	0.	0.
EU155	6.90E-06	2.34E-04	2.33E-04	2.33E-04	2.33E-04	2.32E-04	2.31E-04	2.29E-04	2.25E-04	2.16E-04	2.07E-04
EU156	5.71E-04	4.65E-03	5.15E-03	4.62E-03	3.67E-03	2.30E-03	1.45E-03	5.77E-04	5.71E-05	5.63E-07	5.54E-09
EU157	3.11E-02	3.60E-02	1.21E-02	4.54E-04	1.91E-06	3.36E-11	5.95E-16	1.85E-25	0.	0.	0.
GD159	7.18E-03	1.41E-02	5.63E-03	3.51E-04	3.45E-06	3.35E-10	3.24E-14	3.04E-22	2.60E-42	0.	0.
TB161	1.00E-04	6.53E-04	5.90E-04	4.36E-04	2.64E-04	9.67E-05	3.54E-05	4.74E-06	3.14E-08	1.36E-12	5.90E-17
TOTAL	2.20E+02	5.03E+01	2.29E+01	8.26E+00	3.68E+00	1.55E+00	9.64E-01	5.41E-01	2.34E-01	8.33E-02	4.45E-02

DANNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.120E-11

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	6.53E-06	2.81E-06	1.85E-06	1.22E-06	3.48E-07	9.94E-08	1.87E-08	1.53E-09	3.59E-13	1.30E-18	4.70E-24
*FE 59	1.28E-04	4.62E-07	2.77E-08	1.67E-09	3.62E-13	7.82E-17	1.02E-21	4.78E-29	0.	0.	0.
*CO 57	1.30E-05	5.12E-06	3.21E-06	2.01E-06	4.96E-07	1.22E-07	1.89E-09	1.15E-09	1.00E-13	8.23E-20	0.
*CO 58	2.72E-02	7.80E-04	1.32E-04	2.24E-05	1.09E-07	5.32E-10	4.39E-13	1.04E-17	3.98E-33	0.	0.
*CO 60	6.51E-05	5.70E-05	5.32E-05	4.97E-05	4.08E-05	3.36E-05	2.58E-05	1.74E-05	4.66E-06	6.47E-07	8.94E-08
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W188	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.42E-03	3.54E-12	3.45E-12	3.36E-12	3.14E-12	2.92E-12	2.65E-12	2.30E-12	1.43E-12	7.03E-13	3.45E-13
*AM241	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.53E-05	1.54E-05	1.54E-05	1.55E-05	1.56E-05	1.54E-05	1.52E-05
*CM242	3.23E-05	6.85E-06	3.15E-06	1.45E-06	1.41E-07	1.38E-08	6.17E-10	5.83E-12	1.68E-16	1.56E-16	1.46E-16
KR 85	1.99E-06	4.94E-05	4.78E-05	4.63E-05	4.22E-05	3.81E-05	3.35E-05	2.76E-05	1.46E-05	5.58E-06	2.13E-06
SR 89	1.68E-06	3.93E-04	3.44E-05	3.02E-06	2.03E-09	1.37E-12	8.11E-17	3.68E-23	2.69E-44	0.	0.
SR 90	3.28E-06	3.29E-04	3.25E-04	3.22E-04	3.10E-04	2.98E-04	2.84E-04	2.64E-04	2.06E-04	1.42E-04	9.84E-05
Y 90	4.86E-12	3.28E-04	3.25E-04	3.22E-04	3.10E-04	2.98E-04	2.84E-04	2.64E-04	2.06E-04	1.42E-04	9.84E-05
Y 91	1.14E-08	7.72E-04	8.98E-05	1.04E-05	1.64E-08	2.57E-11	4.70E-15	1.15E-20	2.33E-39	0.	0.
ZR 95	3.30E-04	8.49E-04	1.21E-04	1.72E-05	5.03E-08	1.46E-10	6.06E-14	5.11E-19	6.26E-36	0.	0.
NB 95M	7.03E-12	1.80E-05	2.56E-06	3.67E-07	1.06E-09	3.10E-12	1.28E-15	1.08E-20	1.33E-37	0.	0.
NB 95	3.68E-11	1.83E-03	2.62E-04	3.74E-05	1.08E-07	3.14E-10	1.31E-13	1.11E-18	1.36E-35	0.	0.
RU103	1.07E-04	4.14E-04	1.70E-05	6.97E-07	4.76E-11	3.26E-15	9.16E-21	4.31E-29	0.	0.	0.
RH103M	7.11E-09	4.15E-04	1.70E-05	6.97E-07	4.76E-11	3.27E-15	9.16E-21	4.31E-29	0.	0.	0.
RU106	9.76E-04	9.28E-03	6.57E-03	4.66E-03	1.66E-03	5.88E-04	1.48E-04	1.87E-05	1.89E-08	6.07E-13	1.95E-17
RH106	1.06E-05	9.28E-03	6.57E-03	4.66E-03	1.66E-03	5.88E-04	1.48E-04	1.87E-05	1.89E-08	6.07E-13	1.95E-17
SN123	6.50E-06	9.00E-05	3.27E-05	1.19E-05	5.69E-07	2.73E-08	4.76E-10	1.10E-12	1.76E-21	1.13E-34	7.27E-48
SB125	1.13E-04	2.28E-04	2.00E-04	1.76E-04	1.20E-04	8.16E-05	4.88E-05	2.26E-05	1.74E-06	3.69E-08	7.87E-10
TE125M	3.04E-12	9.30E-05	8.26E-05	7.28E-05	4.97E-05	3.38E-05	2.02E-05	9.34E-06	7.18E-07	1.53E-08	3.26E-10
TE127M	3.22E-10	1.54E-04	4.83E-05	1.51E-05	4.64E-07	1.43E-08	1.37E-10	1.29E-13	1.06E-23	7.93E-39	5.91E-54
TE127	2.25E-10	1.53E-04	4.77E-05	1.49E-05	4.59E-07	1.41E-08	1.36E-10	1.28E-13	1.05E-23	7.82E-39	5.85E-54
CS137	7.84E-05	8.26E-04	8.17E-04	8.07E-04	7.79E-04	7.51E-04	7.18E-04	6.71E-04	5.30E-04	3.77E-04	2.66E-04
BA137M	1.65E-07	7.75E-04	7.65E-04	7.56E-04	7.28E-04	7.04E-04	6.71E-04	6.29E-04	4.98E-04	3.52E-04	2.49E-04
CE141	1.23E-07	5.32E-05	1.07E-06	2.15E-08	1.75E-13	1.42E-18	2.33E-25	1.55E-35	0.	0.	0.
CE144	9.84E-04	2.89E-03	1.86E-03	1.19E-03	3.11E-04	8.19E-05	1.38E-05	9.50E-07	1.28E-10	2.01E-16	3.13E-22
PR144	2.70E-07	2.89E-03	1.86E-03	1.19E-03	3.11E-04	8.19E-05	1.38E-05	9.50E-07	1.28E-10	2.01E-16	3.13E-22
PM147	1.65E-14	9.57E-04	8.38E-04	7.34E-04	4.94E-04	3.32E-04	1.95E-04	8.85E-05	6.29E-06	1.19E-07	2.25E-09
EU155	6.90E-06	2.02E-04	1.88E-04	1.75E-04	1.40E-04	1.13E-04	8.42E-05	5.44E-05	1.27E-05	1.43E-06	1.61E-07
TOTAL	5.39E-02	3.41E-02	2.13E-02	1.53E-02	6.97E-03	4.04E-03	2.70E-03	2.10E-03	1.50E-03	1.04E-03	7.30E-04

APPENDIX B
DETAILED RESULTS FOR EVENT SEDAN

SEDAN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	4.96E+01	4.79E+03
1.00E+00	1.50E+01	1.02E+03
2.00E+00	6.28E+00	4.63E+02
3.00E+00	3.67E+00	3.21E+02
4.00E+00	2.55E+00	2.59E+02
6.00E+00	1.65E+00	2.01E+02
9.00E+00	1.21E+00	1.61E+02
1.20E+01	1.00E+00	1.38E+02
1.50E+01	8.59E-01	1.20E+02
1.80E+01	7.57E-01	1.07E+02
2.10E+01	6.70E-01	9.65E+01
1.00E+00 DAYS	5.98E-01	8.73E+01
2.00E+00	2.88E-01	4.65E+01
5.00E+00	5.89E-02	1.61E+01
1.00E+01	1.71E-02	1.03E+01
2.00E+01	7.28E-03	8.49E+00
3.00E+01	4.62E-03	7.57E+00
5.00E+01	2.65E-03	6.29E+00
1.00E+02	1.33E-03	4.15E+00
2.00E+02	6.34E-04	1.90E+00
3.00E+02	3.42E-04	9.04E-01
1.00E+00 YEARS	2.37E-04	5.67E-01
1.50E+00	9.69E-05	1.70E-01
2.00E+00	4.76E-05	5.74E-02
3.50E+00	2.43E-05	2.19E-02
5.00E+00	1.07E-05	2.39E-03
7.00E+00	7.95E-06	1.52E-03
1.00E+01	5.98E-06	1.15E-03
2.00E+01	3.20E-06	7.73E-04
3.50E+01	1.86E-06	5.23E-04
5.00E+01	1.26E-06	3.65E-04

SEDAN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	6.46E-02	6.45E-02	6.45E-02	6.45E-02	6.45E-02	6.45E-02	6.44E-02	6.43E-02	6.41E-02	6.40E-02	6.39E-02	6.38E-02
NA 24	3.51E-01	3.36E-01	3.21E-01	3.06E-01	2.92E-01	2.92E-01	2.66E-01	2.32E-01	2.02E-01	1.76E-01	1.53E-01	1.33E-01
MN 54	1.25E-03	1.25E-03	1.25E-03	1.25E-03	1.25E-03	1.25E-03	1.25E-03	1.25E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03
FE 55	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03
FE 59	3.22E-04	3.22E-04	3.22E-04	3.22E-04	3.22E-04	3.22E-04	3.21E-04	3.21E-04	3.20E-04	3.19E-04	3.19E-04	3.18E-04
CO 57	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03	4.63E-03
CO 58	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.46E-03	2.46E-03	2.46E-03	2.46E-03	2.45E-03	2.45E-03	2.45E-03
CO 60	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00
W185	6.19E+00	6.19E+00	6.19E+00	6.19E+00	6.18E+00	6.18E+00	6.18E+00	6.18E+00	6.16E+00	6.16E+00	6.15E+00	6.15E+00
W187	1.08E+02	1.05E+02	1.02E+02	9.89E+01	9.63E+01	9.07E+01	8.33E+01	7.65E+01	6.98E+01	6.44E+01	5.92E+01	5.47E+01
W188	8.58E-02	8.58E-02	8.58E-02	8.56E-02	8.56E-02	8.56E-02	8.56E-02	8.54E-02	8.52E-02	8.52E-02	8.52E-02	8.50E-02
* AU198	2.32E-01	2.30E-01	2.28E-01	2.24E-01	2.22E-01	2.18E-01	2.10E-01	2.04E-01	1.97E-01	1.91E-01	1.85E-01	1.85E-01
* AU199	1.02E-03	1.01E-03	1.00E-03	9.92E-04	9.83E-04	9.65E-04	9.39E-04	9.13E-04	8.88E-04	8.64E-04	8.41E-04	8.41E-04
* PB203	3.61E-01	3.56E-01	3.51E-01	3.46E-01	3.41E-01	3.33E-01	3.20E-01	3.08E-01	2.95E-01	2.83E-01	2.73E-01	2.73E-01
* U237	1.86E-01	1.85E-01	1.85E-01	1.84E-01	1.83E-01	1.81E-01	1.79E-01	1.77E-01	1.74E-01	1.72E-01	1.72E-01	1.70E-01
U239	8.82E+01	1.50E+01	2.57E+00	4.37E-01	7.43E-02	2.16E-03	1.07E-05	5.29E-08	2.62E-10	1.30E-12	6.41E-15	3.41E-15
* U240	2.67E-02	2.54E-02	2.42E-02	2.31E-02	2.20E-02	1.99E-02	1.72E-02	1.48E-02	1.28E-02	1.10E-02	9.49E-03	7.8E-03
NP239	3.02E-04	5.06E-01	5.85E+00	5.94E-01	5.90E-01	5.76E-01	5.53E-01	5.34E-01	5.15E-01	4.97E-01	4.78E-01	4.78E-01
* NP240M	4.22E-05	2.55E-02	2.44E-02	2.33E-02	2.22E-02	2.00E-02	1.73E-02	1.49E-02	1.29E-02	1.11E-02	9.59E-03	7.8E-03
* NP240	1.07E-12	5.50E-13	2.86E-13	1.47E-13	7.62E-14	2.04E-14	2.81E-15	3.88E-16	5.35E-17	7.37E-18	1.02E-18	1.02E-18
AM241	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07
CM242	3.51E-05	3.51E-05	3.51E-05	3.51E-05	3.51E-05	3.51E-05	3.51E-05	3.49E-05	3.49E-05	3.49E-05	3.49E-05	3.49E-05
GE 75	8.36E-06	4.05E-02	2.44E-02	1.47E-02	8.84E-03	3.21E-03	7.00E-04	1.53E-04	3.35E-05	7.30E-06	1.60E-06	6.0E-06
GE 77	4.69E-03	1.21E-02	1.14E-02	1.07E-02	1.01E-02	8.89E-03	7.39E-03	6.15E-03	5.12E-03	4.25E-03	3.54E-03	3.54E-03
AS 77	4.84E-05	7.66E-03	7.74E-03	7.79E-03	7.85E-03	7.90E-03	7.90E-03	7.85E-03	7.72E-03	7.57E-03	7.38E-03	7.38E-03
SE 77M	1.91E-09	2.29E-05	2.33E-05	2.34E-05	2.34E-05	2.36E-05	2.38E-05	2.36E-05	2.33E-05	2.27E-05	2.20E-05	2.20E-05
GE 78	6.35E-01	3.97E-01	2.47E-01	1.54E-01	9.64E-02	3.75E-02	9.11E-03	2.20E-03	5.38E-04	1.31E-04	3.18E-05	3.18E-05
AS 78	1.14E-02	1.90E-01	2.34E-01	2.19E-01	1.83E-01	1.08E-01	4.01E-02	1.33E-02	4.12E-03	1.23E-03	3.57E-04	3.57E-04
AS 79	1.05E+01	1.03E-01	1.02E-03	1.00E-05	9.87E-08	9.56E-12	9.12E-18	8.70E-24	8.30E-30	7.92E-36	7.57E-42	7.57E-42
SE 79M	1.55E-02	1.62E-01	1.80E-03	1.77E-05	1.74E-07	1.69E-11	1.61E-17	1.54E-23	1.47E-29	1.40E-35	1.33E-41	1.33E-41
BR 80	5.46E-02	5.15E-03	4.84E-04	4.55E-05	4.29E-06	3.80E-08	3.18E-11	2.65E-14	2.21E-17	1.85E-20	1.54E-23	1.54E-23
SE 81M	3.98E-02	1.86E+00	8.97E-01	4.31E-01	2.07E-01	4.85E-02	5.42E-03	6.08E-04	6.82E-05	7.64E-06	8.56E-07	8.56E-07
SE 81	4.87E-01	2.20E+00	1.27E+00	6.35E-01	3.08E-01	7.19E-02	8.05E-03	9.02E-04	1.01E-04	1.13E-05	1.27E-06	1.27E-06
BR 82	1.99E-04	1.95E-04	1.91E-04	1.88E-04	1.84E-04	1.77E-04	1.67E-04	1.57E-04	1.48E-04	1.40E-04	1.32E-04	1.32E-04
SE 83	1.64E+01	3.11E+00	5.89E-01	1.12E-01	2.11E-02	7.59E-04	5.16E-06	3.51E-08	2.40E-10	1.62E-12	1.03E-14	1.03E-14
BR 83	1.36E-01	2.03E+00	1.88E+00	1.48E+00	1.12E+00	6.35E-01	2.69E-01	1.13E-01	4.78E-02	2.01E-02	8.50E-03	8.50E-03
KR 83M	7.04E-06	4.60E-01	9.40E-01	1.17E+00	1.20E+00	1.00E+00	5.93E-01	3.05E-01	1.47E-01	6.79E-02	3.05E-02	3.05E-02

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	3.05E-02	5.27E+00	1.42E+00	3.85E-01	1.04E-01	7.61E-03	1.51E-04	2.97E-06	5.88E-08	1.16E-09	2.30E-11
KR 85M	1.07E-03	2.30E+00	1.96E+00	1.67E+00	1.43E+00	1.04E+00	6.51E-01	4.06E-01	2.53E-01	1.57E-01	9.82E-02
KR 87	1.60E+01	9.23E+00	5.34E+00	3.09E+00	1.78E+00	5.97E-01	1.16E-01	2.24E-02	4.35E-03	8.41E-04	1.63E-04
KR 88	8.56E+00	6.68E+00	5.21E+00	4.07E+00	3.18E+00	1.93E+00	9.22E-01	4.39E-01	2.09E-01	9.94E-02	4.72E-02
RB 88	2.18E+00	6.76E+00	5.77E+00	4.54E+00	3.55E+00	2.16E+00	1.03E+00	4.92E-01	2.34E-01	1.11E-01	5.29E-02
RB 89	1.16E+01	1.09E+01	7.33E-01	4.93E-02	3.30E-03	1.50E-05	4.53E-09	1.37E-12	4.16E-16	1.26E-19	3.82E-23
SR 89	8.89E-07	3.12E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.32E-02	3.32E-02	3.30E-02	3.30E-02
SR 90	1.70E-06	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04
SR 91	2.17E-01	4.03E+00	3.76E+00	3.50E+00	3.26E+00	2.82E+00	2.28E+00	1.84E+00	1.49E+00	1.19E+00	9.62E-01
Y 91M	1.46E-05	1.39E+00	1.89E+00	2.03E+00	2.00E+00	1.80E+00	1.47E+00	1.18E+00	9.55E-01	7.70E-01	6.21E-01
Y 91	5.97E-09	1.24E-03	2.85E-03	4.55E-03	6.21E-03	9.31E-03	1.32E-02	1.64E-02	1.89E-02	2.10E-02	2.26E-02
SR 92	1.40E+00	6.27E+00	4.86E+00	3.76E+00	2.91E+00	1.74E+00	8.09E-01	3.76E-01	1.74E-01	8.09E-02	3.77E-02
Y 92	6.47E-02	1.32E+00	2.07E+00	2.46E+00	2.61E+00	2.49E+00	1.91E+00	1.30E+00	8.35E-01	5.14E-01	3.10E-01
SR 93	6.46E+01	1.11E+00	6.15E-03	3.40E-05	1.87E-07	7.3E-12	9.65E-19	1.63E-25	2.75E-32	4.64E-39	7.81E-46
Y 93	7.88E-02	2.55E+00	2.39E+00	2.24E+00	2.09E+00	1.83E+00	1.49E+00	1.22E+00	9.87E-01	8.11E-01	6.59E-01
Y 94	9.74E+00	1.33E+01	1.71E+00	2.21E-01	2.85E-02	4.73E-04	1.02E-06	2.18E-09	4.65E-12	1.02E-14	5.63E-16
Y 95	4.51E+01	4.25E+00	9.35E-02	2.06E-03	4.54E-05	2.20E-08	2.36E-13	2.52E-18	2.69E-23	2.88E-28	3.08E-33
ZR 95	1.69E-04	2.21E-02	2.26E-02	2.26E-02	2.26E-02	2.26E-02	2.26E-02	2.25E-02	2.25E-02	2.24E-02	2.24E-02
NB 95	1.89E-11	1.37E-05	3.18E-05	5.00E-05	6.83E-05	1.05E-04	1.59E-04	2.14E-04	2.67E-04	3.21E-04	3.75E-04
ZR 97	4.61E-01	2.01E+00	1.92E+00	1.85E+00	1.77E+00	1.63E+00	1.44E+00	1.28E+00	1.13E+00	9.99E-01	8.88E-01
NB 97M	2.37E-03	1.93E+00	1.85E+00	1.78E+00	1.70E+00	1.57E+00	1.39E+00	1.23E+00	1.09E+00	9.59E-01	8.48E-01
NB 97	2.31E-01	1.01E+00	1.42E+00	1.62E+00	1.70E+00	1.69E+00	1.54E+00	1.37E+00	1.21E+00	1.07E+00	9.51E-01
NB 98	2.77E+00	1.23E+00	5.42E-01	2.40E-01	1.06E-01	2.08E-02	1.80E-03	1.55E-04	1.35E-05	1.17E-06	1.01E-07
MO 99	1.57E-03	6.48E-01	6.41E-01	6.35E-01	6.28E-01	6.15E-01	5.97E-01	5.78E-01	5.61E-01	5.44E-01	5.27E-01
TC 99M	1.46E-08	6.18E-02	1.16E-01	1.64E-01	2.06E-01	2.75E-01	3.49E-01	3.96E-01	4.25E-01	4.41E-01	4.48E-01
MC101	6.69E+01	3.02E+01	1.75E+00	1.02E-01	5.90E-03	1.97E-05	3.84E-09	7.48E-13	1.45E-16	2.82E-20	5.50E-24
TC101	2.82E+00	8.46E+01	9.25E+00	7.59E-01	5.53E-02	2.49E-04	6.23E-08	1.40E-11	2.96E-15	6.09E-19	1.23E-22
MC102	6.39E+02	1.46E+01	3.32E-01	7.58E-03	1.73E-04	8.98E-08	1.07E-12	1.27E-17	1.50E-22	1.78E-27	2.11E-32
TC102M	4.11E-01	1.23E+01	2.82E-01	6.45E-03	1.47E-04	7.61E-08	9.04E-13	1.07E-17	1.27E-22	1.51E-27	1.79E-32
TC102	1.92E+03	7.33E+00	1.67E-01	3.80E-03	8.70E-05	4.53E-08	5.39E-13	6.39E-18	7.58E-23	8.98E-28	1.07E-32
RU103	5.42E-05	1.26E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.24E-01	1.24E-01	1.24E-01
RH103M	3.61E-09	6.49E-02	9.62E-02	1.11E-01	1.19E-01	1.24E-01	1.25E-01	1.25E-01	1.24E-01	1.24E-01	1.24E-01
TC104	5.35E+01	3.85E+01	3.85E+00	3.81E-01	3.77E-02	3.71E-04	3.62E-07	3.54E-10	3.46E-13	3.38E-16	3.30E-19
RU105	5.26E-01	1.82E+01	1.56E+01	1.33E+01	1.14E+01	8.34E+00	5.22E+00	3.27E+00	2.04E+00	1.28E+00	8.03E-01
RH105M	3.46E-03	1.82E+01	1.56E+01	1.34E+01	1.14E+01	8.38E+00	5.22E+00	3.28E+00	2.05E+00	1.28E+00	8.03E-01
RH105	5.69E-09	3.70E-01	6.88E-01	9.49E-01	1.17E+00	1.49E+00	1.79E+00	1.92E+00	1.96E+00	1.94E+00	1.89E+00
RU106	4.96E-04	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03
RU106	5.37E-06	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03	9.39E-03
RH107	1.74E-01	2.37E+01	3.59E+00	5.40E-01	8.16E-02	1.86E-03	6.41E-06	2.21E-08	7.61E-11	2.60E-14	2.59E-17
PD107M	3.62E-04	4.82E+00	7.28E-01	1.10E-01	1.66E-02	3.79E-04	1.30E-06	4.50E-09	1.55E-11	5.34E-14	1.82E-16

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.35E-02	1.12E+00	1.07E+00	1.01E+00	9.61E-01	8.67E-01	7.46E-01	6.39E-01	5.48E-01	4.69E-01	4.03E-01	4.03E-01
AG109M	7.81E-05	1.12E+00	1.07E+00	1.01E+00	9.64E-01	8.70E-01	7.46E-01	6.39E-01	5.48E-01	4.69E-01	4.03E-01	4.03E-01
PD111M	1.72E+00	1.51E+00	1.33E+00	1.18E+00	1.04E+00	8.08E-01	5.53E-01	3.79E-01	2.60E-01	1.78E-01	1.22E-01	9.81E-02
PD111	6.12E-01	1.10E+00	1.06E+00	9.42E-01	8.33E-01	6.47E-01	4.44E-01	3.04E-01	2.08E-01	1.43E-01	9.81E-02	9.81E-02
AG111M	4.86E-03	1.49E+00	1.40E+00	1.25E+00	1.10E+00	8.53E-01	5.83E-01	3.99E-01	2.74E-01	1.88E-01	1.28E-01	1.28E-01
AG111	1.73E-09	5.13E-03	1.08E-02	1.58E-02	2.03E-02	2.77E-02	3.56E-02	4.08E-02	4.42E-02	4.63E-02	4.76E-02	4.76E-02
PD112	3.93E-01	3.81E-01	3.68E-01	3.56E-01	3.45E-01	3.23E-01	2.93E-01	2.65E-01	2.40E-01	2.17E-01	1.97E-01	1.97E-01
AG112	1.18E-05	7.54E-02	1.33E-01	1.79E-01	2.12E-01	2.54E-01	2.79E-01	2.78E-01	2.65E-01	2.47E-01	2.28E-01	2.28E-01
AG113	4.05E-03	8.66E-01	7.59E-01	6.67E-01	5.84E-01	4.50E-01	3.04E-01	2.06E-01	1.39E-01	9.36E-02	6.63E-02	6.63E-02
AG115	1.34E+00	1.43E+00	1.78E-01	2.23E-02	2.79E-03	4.36E-05	8.51E-08	1.66E-10	3.22E-13	3.20E-16	2.97E-16	2.97E-16
CD115M	1.09E-08	2.90E-04	3.26E-04	3.31E-04	3.31E-04	3.31E-04	3.30E-04	3.30E-04	3.29E-04	3.27E-04	3.27E-04	3.27E-04
CD115	4.22E-06	7.95E-02	8.55E-02	8.53E-02	8.43E-02	8.21E-02	7.91E-02	7.60E-02	7.31E-02	7.04E-02	6.76E-02	6.76E-02
IN115M	5.26E-11	8.78E-03	1.95E-02	2.89E-02	3.69E-02	4.92E-02	6.07E-02	6.69E-02	6.97E-02	7.04E-02	6.98E-02	6.98E-02
CD117	9.21E-02	1.53E+00	1.16E+00	8.63E-01	6.47E-01	3.63E-01	1.52E-01	6.42E-02	2.70E-02	1.13E-02	4.77E-03	4.77E-03
IN117M	4.43E-06	5.34E-01	7.72E-01	8.38E-01	8.10E-01	6.38E-01	3.63E-01	1.87E-01	8.97E-02	4.16E-02	1.88E-02	1.88E-02
IN117	1.78E-10	9.73E-02	2.35E-01	3.27E-01	3.65E-01	3.36E-01	2.14E-01	1.14E-01	5.69E-02	2.68E-02	1.23E-02	1.23E-02
CD118	5.98E+00	2.56E+00	1.10E+00	4.68E-01	2.01E-01	3.67E-02	2.88E-03	2.25E-04	1.77E-05	1.39E-06	1.09E-07	1.09E-07
IN118	3.96E-01	2.56E+00	1.10E+00	4.70E-01	2.01E-01	3.68E-02	2.88E-03	2.26E-04	1.77E-05	1.39E-06	1.09E-07	1.09E-07
CD119	1.53E+01	2.38E-01	3.71E-03	5.81E-05	9.08E-07	2.22E-10	8.46E-16	3.24E-21	1.23E-26	4.70E-32	1.80E-37	1.80E-37
IN119M	2.30E-02	2.57E+00	2.80E-01	2.83E-02	2.81E-03	2.77E-05	2.70E-08	2.64E-11	2.57E-14	2.52E-17	2.46E-20	2.46E-20
IN119	1.13E+00	1.36E-01	1.57E-02	1.59E-03	1.59E-04	1.56E-06	1.53E-09	1.49E-12	1.46E-15	1.42E-18	1.39E-21	1.39E-21
SN121	1.96E-03	2.02E-01	1.96E-01	1.91E-01	1.87E-01	1.78E-01	1.64E-01	1.52E-01	1.41E-01	1.30E-01	1.21E-01	1.21E-01
SN123M	1.03E+00	1.92E+00	6.80E-01	2.40E-01	8.49E-02	1.06E-02	4.69E-04	2.08E-05	9.19E-07	4.06E-08	1.79E-09	1.79E-09
SN123	9.63E-06	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03	1.01E-03
SN125	2.34E-02	2.34E-02	2.33E-02	2.32E-02	2.31E-02	2.30E-02	2.28E-02	2.26E-02	2.24E-02	2.21E-02	2.20E-02	2.20E-02
SB125	1.41E-04	1.41E-04	1.42E-04	1.43E-04	1.43E-04	1.44E-04	1.47E-04	1.49E-04	1.50E-04	1.52E-04	1.54E-04	1.54E-04
SB126	3.06E-03	3.05E-03	3.05E-03	3.04E-03	3.03E-03	3.02E-03	3.00E-03	2.98E-03	2.95E-03	2.93E-03	2.91E-03	2.91E-03
SN127	2.62E+00	1.88E+00	1.35E+00	9.76E-01	7.02E-01	3.62E-01	1.35E-01	5.00E-02	1.85E-02	6.90E-03	2.56E-03	2.56E-03
SB127	3.06E-02	1.06E-01	1.17E-01	1.24E-01	1.30E-01	1.35E-01	1.38E-01	1.36E-01	1.34E-01	1.31E-01	1.29E-01	1.29E-01
TE127	1.73E-02	2.15E-02	2.62E-02	3.10E-02	3.59E-02	4.50E-02	5.76E-02	6.73E-02	7.49E-02	8.07E-02	8.45E-02	8.45E-02
SN128	1.54E+01	7.61E+00	3.77E+00	1.86E+00	9.21E-01	2.25E-01	2.71E-02	3.27E-03	3.95E-04	4.79E-05	5.77E-06	5.77E-06
SB128M	7.86E-03	8.68E+00	4.50E+00	2.22E+00	1.10E+00	2.68E-01	3.23E-02	3.90E-03	4.71E-04	5.69E-05	6.88E-06	6.88E-06
SB128	6.51E-01	6.26E-01	5.89E-01	5.52E-01	5.16E-01	4.42E-01	3.53E-01	2.80E-01	2.22E-01	1.76E-01	1.40E-01	1.40E-01
SN129M	8.32E+00	4.14E+00	2.08E+00	1.04E+00	5.20E-01	1.30E-01	1.63E-02	2.03E-03	2.54E-04	3.17E-05	3.97E-06	3.97E-06
SN129	5.55E+01	5.44E-01	5.37E-03	5.30E-05	5.20E-07	5.06E-11	4.81E-17	4.60E-23	4.39E-29	4.18E-35	4.00E-41	4.00E-41
SB129	3.12E+00	5.23E+00	4.91E+00	4.39E+00	3.86E+00	2.87E+00	1.79E+00	1.11E+00	6.81E-01	4.21E-01	2.59E-01	2.59E-01
TE129M	5.90E-08	6.53E-04	1.34E-03	1.98E-03	2.54E-03	3.44E-03	4.35E-03	4.91E-03	5.27E-03	5.48E-03	5.62E-03	5.62E-03
TE129	2.25E+00	3.09E+00	3.62E+00	3.76E+00	3.62E+00	2.99E+00	1.99E+00	1.26E+00	7.83E-01	4.84E-01	3.01E-01	3.01E-01
SB130M	2.99E-01	5.64E-01	1.48E-03	3.89E-06	1.03E-08	7.07E-14	1.29E-21	2.34E-29	4.25E-37	7.72E-45	1.40E-52	1.40E-52
SB130	5.13E+01	1.55E+01	4.41E+00	1.25E+00	3.54E-01	2.84E-02	6.49E-04	1.48E-05	3.37E-07	7.69E-09	1.75E-10	1.75E-10

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	1.43E-02	1.35E-02	1.28E-02	1.21E-02	1.14E-02	1.02E-02	8.63E-03	7.30E-03	6.16E-03	5.22E-03	4.41E-03	3.71E-03
SB131	1.06E+02	2.78E+01	4.54E+00	7.45E-01	1.22E-01	3.29E-02	1.45E-05	6.40E-08	2.82E-10	1.24E-12	6.20E-15	3.10E-17
TE131M	5.11E-05	2.67E-01	3.05E-01	3.05E-01	3.00E-01	2.86E-01	2.67E-01	2.49E-01	2.33E-01	2.17E-01	2.02E-01	1.87E-01
TE131	4.71E+01	5.11E+01	1.67E+01	4.33E+00	1.05E+00	9.89E-02	4.91E-02	4.54E-02	4.23E-02	3.96E-02	3.69E-02	3.42E-02
I131	6.84E-03	2.37E-01	3.49E-01	3.83E-01	3.89E-01	3.93E-01	3.93E-01	3.89E-01	3.89E-01	3.86E-01	3.86E-01	3.86E-01
TE132	4.59E-01	1.11E+00	1.10E+00	1.10E+00	1.08E+00	1.06E+00	1.04E+00	1.01E+00	9.84E-01	9.56E-01	9.31E-01	9.06E-01
I132	1.13E+00	1.12E+00	1.12E+00	1.11E+00	1.11E+00	1.09E+00	1.07E+00	1.04E+00	1.01E+00	9.87E-01	9.62E-01	9.37E-01
TE133M	5.19E-02	1.80E+01	7.83E+00	3.41E+00	1.48E+00	2.82E-01	2.32E-02	1.91E-03	1.58E-04	1.30E-05	1.07E-06	8.49E-08
TE133	2.92E+02	1.65E+01	1.84E+00	6.08E-01	2.57E-01	4.87E-02	4.03E-03	3.31E-04	2.74E-05	2.26E-06	1.86E-07	1.50E-08
I133	4.52E-01	4.87E+00	5.26E+00	5.26E+00	5.17E+00	4.89E+00	4.45E+00	4.03E+00	3.63E+00	3.31E+00	2.99E+00	2.67E+00
XE133M	1.93E-08	1.09E-02	2.64E-03	4.23E-03	5.76E-03	8.65E-03	1.25E-02	1.59E-02	1.87E-02	2.12E-02	2.32E-02	2.52E-02
XE133	3.36E-07	1.91E-02	4.65E-02	7.41E-02	1.02E-01	1.54E-01	2.26E-01	2.89E-01	3.46E-01	3.95E-01	4.40E-01	4.85E-01
TE134	9.29E+01	4.31E+01	1.60E+01	5.96E+00	2.21E+00	3.07E-01	1.57E-02	8.03E-04	4.11E-05	2.11E-06	1.08E-07	5.40E-09
I134	4.26E+01	5.69E+01	3.99E+01	2.34E+01	1.26E+01	3.19E+00	3.50E-01	3.58E-02	3.50E-03	3.36E-04	3.19E-05	3.02E-06
I135	7.74E+00	1.36E+01	1.23E+01	1.11E+01	1.00E+01	8.12E+00	5.96E+00	4.36E+00	3.20E+00	2.36E+00	1.72E+00	1.27E+00
XE135M	8.57E-04	3.94E+00	3.83E+00	3.47E+00	3.12E+00	2.54E+00	1.86E+00	1.36E+00	1.00E+00	7.34E-01	5.39E-01	3.92E-01
XE135	8.92E-01	1.76E+00	2.58E+00	3.25E+00	3.78E+00	4.54E+00	5.03E+00	5.05E+00	4.81E+00	4.38E+00	3.92E+00	3.47E+00
CS136	1.45E-02	1.45E-02	1.45E-02	1.44E-02	1.44E-02	1.43E-02	1.42E-02	1.41E-02	1.40E-02	1.40E-02	1.39E-02	1.39E-02
CS137	3.96E-05	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04
BA137M	8.34E-08	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04
XE138	2.45E+02	2.11E+01	1.83E+00	1.59E-01	1.37E-02	1.03E-04	6.70E-08	4.34E-11	2.83E-14	1.84E-17	1.19E-20	7.40E-24
CS138	3.64E+01	6.13E+01	2.12E+01	6.24E+00	1.75E+00	1.33E-01	2.77E-03	5.75E-05	1.19E-06	2.49E-08	5.14E-10	1.10E-12
CS139	2.97E+02	9.49E+00	1.19E-01	1.49E-03	1.88E-05	2.94E-09	5.86E-15	1.16E-20	2.29E-26	4.54E-32	8.98E-38	1.44E-44
BA139	5.49E+00	6.12E+01	3.77E+01	2.29E+01	1.39E+01	5.09E+00	1.13E+00	2.51E-01	5.57E-02	1.23E-02	2.74E-03	5.10E-04
BA140	3.82E-02	2.38E-01	2.38E-01	2.36E-01	2.36E-01	2.35E-01	2.35E-01	2.33E-01	2.31E-01	2.29E-01	2.27E-01	2.25E-01
LA140	9.07E-08	4.07E-03	8.07E-03	1.20E-02	1.58E-02	2.33E-02	3.40E-02	4.40E-02	5.35E-02	6.24E-02	7.07E-02	7.86E-02
BA141	5.45E+01	1.65E+01	1.64E+00	1.62E-01	1.61E-02	1.60E-04	1.56E-07	1.52E-10	1.48E-13	1.45E-16	1.42E-19	1.39E-22
LA141	5.04E-01	1.07E+01	9.96E+00	8.44E+00	7.08E+00	4.96E+00	2.91E+00	1.70E+00	1.00E+00	5.87E-01	3.44E-01	2.00E-01
CE141	6.23E-08	6.93E-03	1.62E-02	2.44E-02	3.13E-02	4.19E-02	5.21E-02	5.79E-02	6.13E-02	6.32E-02	6.43E-02	6.43E-02
BA142	9.84E+01	3.91E+00	8.93E-02	2.04E-03	4.64E-05	2.41E-08	2.86E-13	3.40E-18	4.03E-23	4.78E-28	5.67E-33	6.66E-38
LA142	2.26E+00	1.57E+01	1.03E+01	6.58E+00	4.19E+00	1.69E+00	4.37E-01	1.13E-01	2.90E-02	7.47E-03	1.93E-03	4.80E-04
LA143	3.30E+01	6.43E+00	3.30E-01	1.69E-02	8.70E-04	2.28E-06	3.07E-10	4.14E-14	5.58E-18	7.53E-22	1.02E-25	1.31E-29
CE143	1.32E-02	8.39E-01	8.70E-01	8.47E-01	8.32E-01	8.01E-01	7.50E-01	7.04E-01	6.61E-01	6.21E-01	5.83E-01	5.45E-01
PR143	3.85E-09	1.29E-03	3.10E-03	4.90E-03	6.67E-03	1.01E-02	1.49E-02	1.94E-02	2.36E-02	2.75E-02	3.11E-02	3.50E-02
CE144	5.00E-04	3.59E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
PR144	1.37E-07	3.26E-03	3.56E-03	3.58E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
PR145	2.24E-02	3.29E+00	2.92E+00	2.60E+00	2.32E+00	1.84E+00	1.30E+00	9.16E-01	6.49E-01	4.58E-01	3.24E-01	2.10E-01
CE146	7.41E+01	3.80E+00	1.95E-01	9.95E-03	5.12E-04	1.35E-06	1.82E-10	2.45E-14	3.30E-18	4.45E-22	6.00E-26	8.10E-30
PR146	1.53E+00	1.33E+01	3.02E+00	5.68E-01	1.02E-01	3.21E-03	1.77E-05	9.78E-08	5.42E-10	2.99E-12	1.64E-14	9.10E-17
PR147	8.52E+00	2.46E+00	7.69E-02	2.40E-03	7.52E-05	7.34E-08	2.24E-12	6.85E-17	2.09E-21	6.38E-26	1.94E-30	5.80E-35

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	3.04E-06	5.72E-02	5.88E-02	5.87E-02	5.86E-02	5.83E-02	5.78E-02	5.74E-02	5.69E-02	5.65E-02	5.60E-02
ND149	5.47E+00	3.72E+00	2.53E+00	1.73E+00	1.17E+00	5.43E-01	1.71E-01	5.38E-02	1.69E-02	5.33E-03	1.68E-03
PM149	7.62E-04	5.95E-02	9.88E-02	1.25E-01	1.42E-01	1.59E-01	1.65E-01	1.62E-01	1.58E-01	1.52E-01	1.47E-01
PM150	6.95E-02	5.37E-02	4.16E-02	3.21E-02	2.48E-02	1.49E-02	6.89E-03	3.19E-03	1.48E-03	6.84E-04	3.16E-04
ND151	2.82E+01	8.81E-01	2.76E-02	8.61E-04	2.69E-05	2.63E-08	8.03E-13	2.45E-17	7.48E-22	2.28E-26	6.97E-31
PM151	1.79E-02	2.09E-01	2.10E-01	2.05E-01	2.00E-01	1.90E-01	1.76E-01	1.64E-01	1.52E-01	1.41E-01	1.31E-01
PM152	4.78E+01	4.67E-02	4.56E-05	4.45E-08	4.35E-11	4.15E-17	3.87E-26	3.61E-35	3.36E-44	3.14E-53	2.92E-62
SM153	6.94E-02	6.84E-02	6.75E-02	6.64E-02	6.55E-02	6.36E-02	6.08E-02	5.81E-02	5.56E-02	5.33E-02	5.10E-02
SM155	4.89E+00	8.04E-01	1.32E-01	2.15E-02	3.53E-03	9.51E-05	4.20E-07	1.85E-09	8.15E-12	3.63E-14	8.91E-17
EU155	3.60E-06	1.03E-04	1.19E-04	1.21E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04
SM156	1.09E-01	1.01E-01	9.36E-02	8.70E-02	8.07E-02	6.97E-02	5.58E-02	4.48E-02	3.59E-02	2.88E-02	2.30E-02
EU156	3.17E-04	5.18E-04	7.03E-04	8.76E-04	1.04E-03	1.32E-03	1.68E-03	1.94E-03	2.18E-03	2.35E-03	2.47E-03
EU157	1.64E-02	5.45E-02	5.20E-02	4.97E-02	4.74E-02	4.33E-02	3.78E-02	3.30E-02	2.87E-02	2.50E-02	2.18E-02
EU158	7.70E-01	3.12E-01	1.26E-01	5.11E-02	2.07E-02	3.39E-03	2.26E-04	1.50E-05	9.94E-07	6.60E-08	4.38E-09
EU159	9.14E-01	9.08E-02	9.00E-03	8.94E-04	8.86E-05	8.74E-07	8.54E-10	8.34E-13	8.13E-16	7.95E-19	7.77E-22
GD159	3.92E-03	1.72E-02	1.78E-02	1.73E-02	1.67E-02	1.54E-02	1.37E-02	1.23E-02	1.09E-02	9.71E-03	8.66E-03
TB161	6.94E-05	5.00E-04	4.96E-04	4.95E-04	4.93E-04	4.88E-04	4.83E-04	4.77E-04	4.70E-04	4.65E-04	4.59E-04
TOTAL	4.79E+03	1.02E+03	4.63E+02	3.21E+02	2.59E+02	2.01E+02	1.61E+02	1.38E+02	1.20E+02	1.07E+02	9.65E+01

SEDAN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	6.46E-02	6.38E-02	6.30E-02	6.06E-02	5.68E-02	4.98E-02	4.38E-02	3.37E-02	1.76E-02	4.79E-03	1.30E-03
NA 24	3.51E-01	1.16E-01	3.82E-02	1.37E-03	5.36E-06	8.20E-11	1.25E-15	2.91E-25	0.	0.	0.
MN 54	1.25E-03	1.24E-03	1.24E-03	1.22E-03	1.21E-03	1.19E-03	1.17E-03	1.11E-03	9.92E-04	7.88E-04	6.28E-04
FE 55	2.58E-03	2.58E-03	2.58E-03	2.57E-03	2.56E-03	2.55E-03	2.53E-03	2.49E-03	2.40E-03	2.24E-03	2.07E-03
FE 59	3.22E-04	3.17E-04	3.13E-04	2.98E-04	2.76E-04	2.37E-04	2.03E-04	1.49E-04	6.93E-05	1.48E-05	3.17E-06
CO 57	4.63E-03	4.63E-03	4.60E-03	4.60E-03	4.53E-03	4.39E-03	4.29E-03	4.08E-03	3.60E-03	2.78E-03	2.16E-03
CO 58	2.47E-03	2.45E-03	2.42E-03	2.35E-03	2.24E-03	2.03E-03	1.84E-03	1.52E-03	9.34E-04	3.53E-04	1.33E-04
CO 60	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.54E-04	2.54E-04	2.53E-04	2.51E-04	2.45E-04	2.38E-04	2.29E-04
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	2.69E+00	2.68E+00	2.66E+00	2.62E+00	2.54E+00	2.41E+00	2.27E+00	2.03E+00	1.52E+00	8.55E-01	4.82E-01
W185	6.19E+00	6.13E+00	6.03E+00	5.91E+00	5.65E+00	5.14E+00	4.69E+00	3.90E+00	2.46E+00	9.77E-01	3.88E-01
W187	1.08E+02	5.40E+01	2.67E+01	3.34E+00	1.02E-01	9.78E-05	9.23E-08	8.33E-16	0.	0.	0.
W188	8.58E-02	8.48E-02	8.40E-02	8.16E-02	7.77E-02	7.01E-02	6.35E-02	5.20E-02	3.15E-02	1.16E-02	4.28E-03
* AU198	2.32E-01	1.79E-01	1.38E-01	6.40E-02	1.77E-02	1.35E-03	1.03E-04	6.06E-07	1.58E-12	0.	0.
* AU199	1.02E-03	8.18E-04	6.56E-04	3.38E-04	1.12E-04	1.23E-05	1.35E-06	1.64E-08	2.63E-13	6.83E-23	0.
* PB203	2.62E-01	1.90E-01	7.29E-02	1.48E-02	6.08E-04	2.49E-05	4.19E-08	4.90E-15	0.	0.	0.
* U237	1.86E-01	1.68E-01	1.51E-01	1.11E-01	6.66E-02	2.39E-02	8.56E-03	1.09E-03	6.46E-06	6.94E-10	4.68E-10
* U240	2.67E-02	8.23E-03	2.52E-03	7.32E-05	2.01E-07	1.51E-12	1.14E-17	6.41E-28	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	3.02E-04	4.61E-01	3.43E-01	1.42E-01	3.24E-02	1.69E-03	8.87E-05	2.43E-07	9.57E-14	2.28E-23	2.28E-23
* NP240M	4.22E-05	8.28E-03	2.54E-03	7.37E-05	2.02E-07	1.52E-12	1.15E-17	6.46E-28	0.	0.	0.
AM241	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07
CM242	3.51E-05	3.49E-05	3.47E-05	3.43E-05	3.36E-05	3.22E-05	3.09E-05	2.83E-05	2.31E-05	1.50E-05	9.81E-06
GE 77	4.69E-03	2.95E-03	6.75E-04	8.16E-06	5.19E-09	2.10E-15	8.47E-22	1.38E-34	0.	0.	0.
AS 77	4.84E-05	7.15E-03	5.17E-03	1.50E-03	1.75E-04	2.38E-06	3.23E-08	5.95E-12	2.76E-21	5.92E-40	1.27E-58
SE 77M	1.91E-09	2.15E-05	1.55E-05	4.50E-06	5.24E-07	7.13E-09	9.69E-11	1.79E-14	8.28E-24	1.77E-42	3.82E-61
AS 78	1.14E-02	1.02E-04	2.98E-09	2.51E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	1.99E-04	1.24E-04	7.75E-05	1.88E-05	1.79E-06	1.60E-08	1.44E-10	1.16E-14	6.79E-25	2.33E-45	7.93E-66
BR 83	1.36E-01	3.59E-03	3.61E-06	3.66E-15	3.74E-30	0.	0.	0.	0.	0.	0.
KR 83M	7.04E-06	1.57E-02	1.78E-05	1.60E-14	1.64E-29	0.	0.	0.	0.	0.	0.
KR 85M	1.07E-03	6.13E-02	1.40E-03	1.66E-08	1.02E-16	3.89E-33	1.47E-49	0.	0.	0.	0.
KR 85	1.11E-06	2.92E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.96E-05	2.93E-05	2.87E-05	2.83E-05
KR 87	1.60E+01	3.16E-05	6.24E-11	4.84E-28	0.	0.	0.	0.	0.	0.	0.
KR 88	8.56E+00	2.25E-02	5.91E-05	1.07E-12	1.35E-25	0.	0.	0.	0.	0.	0.
RB 88	2.18E+00	2.51E-02	6.62E-05	1.20E-12	1.51E-25	0.	0.	0.	0.	0.	0.
SR 89	8.89E-07	2.67E-02	2.63E-02	2.52E-02	2.37E-02	2.07E-02	1.81E-02	1.39E-02	7.11E-03	1.87E-03	4.94E-04
SR 90	1.70E-06	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.73E-04	1.73E-04	1.72E-04
Y 90	2.52E-12	4.01E-05	7.09E-05	1.27E-04	1.63E-04	1.73E-04	1.75E-04	1.75E-04	1.73E-04	1.73E-04	1.72E-04
SR 91	2.17E-01	7.75E-01	1.39E-01	7.97E-04	1.46E-07	4.95E-15	1.68E-22	1.91E-37	0.	0.	0.

SEDAN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	1.46E-05	5.01E-01	8.97E-02	5.15E-04	9.46E-08	3.19E-15	1.08E-22	1.23E-37	0.	0.	0.
Y 91	5.97E-09	2.38E-02	2.82E-02	2.82E-02	2.66E-02	2.36E-02	2.10E-02	1.66E-02	9.20E-03	2.83E-03	8.71E-04
SR 92	1.40E+00	1.75E-02	3.77E-05	3.79E-13	1.78E-26	0.	0.	0.	0.	0.	0.
Y 92	6.47E-02	1.83E-01	2.04E-03	1.57E-09	9.14E-20	3.13E-40	1.07E-60	0.	0.	0.	0.
Y 93	7.88E-02	5.33E-01	1.04E-01	7.81E-04	2.25E-07	1.86E-14	1.53E-21	1.05E-35	0.	0.	0.
ZRR 95	1.69E-04	2.12E-02	2.09E-02	2.03E-02	1.92E-02	1.72E-02	1.55E-02	1.25E-02	7.35E-03	2.53E-03	8.68E-04
NB 95M	3.60E-12	7.16E-05	1.31E-04	2.49E-04	3.36E-04	3.55E-04	3.27E-04	2.66E-04	1.56E-04	5.37E-05	1.85E-05
NB 95M	1.89E-11	4.09E-04	8.09E-04	1.94E-03	3.60E-03	6.21E-03	8.02E-03	9.95E-03	9.58E-03	4.60E-03	1.77E-03
ZRR 97	4.61E-01	7.84E-01	2.95E-01	1.56E-02	1.17E-04	6.60E-09	3.71E-13	1.17E-21	6.62E-43	0.	0.
NB 97M	2.37E-03	7.53E-01	2.83E-01	1.51E-02	1.13E-04	6.34E-09	3.57E-13	1.13E-21	6.37E-43	0.	0.
NB 97	2.31E-01	7.87E-01	2.96E-01	1.57E-02	1.18E-04	7.11E-09	4.00E-13	1.27E-21	7.13E-43	0.	0.
MC 99	1.57E-03	5.11E-01	3.99E-01	1.89E-01	5.47E-02	4.57E-03	3.81E-04	2.66E-06	1.08E-11	1.78E-22	2.93E-33
TC 99M	1.46E-08	4.49E-01	3.78E-01	1.81E-01	5.22E-02	4.36E-03	3.64E-04	2.54E-06	1.03E-11	1.70E-22	2.80E-33
RU103	5.42E-05	1.24E-01	1.21E-01	1.15E-01	1.06E-01	8.85E-02	7.43E-02	5.24E-02	2.18E-02	3.78E-03	6.60E-04
RH103M	3.61E-09	1.24E-01	1.22E-01	1.15E-01	1.06E-01	8.85E-02	7.43E-02	5.24E-02	2.18E-02	3.78E-03	6.60E-04
RU105	5.26E-01	5.03E-01	1.18E-02	1.56E-07	1.14E-15	6.07E-32	3.25E-48	0.	0.	0.	0.
RH105M	3.46E-03	5.03E-01	1.19E-02	1.56E-07	1.14E-15	6.11E-32	3.26E-48	0.	0.	0.	0.
RH105M	5.69E-09	1.82E+00	1.19E+00	2.96E-01	2.92E-02	2.84E-04	2.75E-06	2.60E-10	2.26E-20	1.69E-40	1.27E-60
RU106	4.96E-04	9.39E-03	9.35E-03	9.31E-03	9.23E-03	9.07E-03	8.87E-03	8.54E-03	7.77E-03	6.43E-03	5.33E-03
RH106	5.37E-06	9.39E-03	9.35E-03	9.31E-03	9.23E-03	9.07E-03	8.87E-03	8.54E-03	7.77E-03	6.43E-03	5.33E-03
PD109	1.35E-02	3.45E-01	1.00E-01	2.49E-03	5.25E-06	2.34E-11	1.04E-16	2.06E-27	0.	0.	0.
AG109M	7.81E-05	3.45E-01	1.01E-01	2.50E-03	5.28E-06	2.34E-11	1.04E-16	2.06E-27	0.	0.	0.
PD111M	1.72E+00	8.33E-02	4.05E-03	4.65E-07	1.26E-13	9.17E-27	6.73E-40	0.	0.	0.	0.
PD111	6.12E-01	6.73E-02	3.26E-03	3.74E-07	1.01E-13	7.37E-27	5.40E-40	0.	0.	0.	0.
AG111M	4.86E-03	8.78E-02	4.28E-03	4.92E-07	1.33E-13	9.74E-27	7.12E-40	0.	0.	0.	0.
AG111	1.73E-09	4.78E-02	4.59E-03	3.49E-02	2.20E-02	8.72E-03	3.46E-03	5.46E-04	5.37E-06	5.20E-10	5.04E-14
PD112	3.93E-01	1.79E-01	8.08E-02	7.51E-03	1.43E-04	5.18E-08	1.88E-11	2.47E-18	1.56E-35	0.	0.
AG112	1.18E-05	2.07E-01	9.53E-02	8.85E-03	1.69E-04	6.12E-08	2.22E-11	2.93E-18	1.83E-35	0.	0.
AG113	4.05E-03	4.28E-02	1.85E-03	1.50E-07	2.30E-14	5.38E-28	1.26E-41	0.	0.	0.	0.
CD115M	1.09E-08	3.16E-04	3.11E-04	2.96E-04	2.73E-04	2.32E-04	1.98E-04	1.43E-04	6.40E-05	1.27E-05	2.54E-06
CD115	4.22E-06	6.35E-02	4.65E-02	1.83E-02	3.87E-03	1.73E-04	7.70E-06	1.54E-08	2.71E-15	8.50E-29	2.66E-42
IN115M	5.26E-11	6.70E-02	5.08E-02	2.00E-02	4.22E-03	1.89E-04	8.40E-06	1.67E-08	2.97E-15	9.28E-29	2.90E-42
CD117	9.21E-02	2.01E-03	1.95E-06	1.83E-15	1.62E-30	0.	0.	0.	0.	0.	0.
IN117M	4.43E-06	8.34E-03	9.65E-06	9.31E-15	8.27E-30	0.	0.	0.	0.	0.	0.
IN117	1.78E-10	5.50E-03	6.51E-06	6.31E-15	5.59E-30	0.	0.	0.	0.	0.	0.
SN121	1.96E-03	1.12E-01	6.03E-01	9.50E-03	4.36E-04	9.20E-07	1.94E-09	8.64E-15	3.61E-28	0.	0.
SN123	9.63E-06	1.01E-03	9.99E-04	9.81E-04	9.55E-04	9.02E-04	8.56E-04	7.65E-04	5.80E-04	3.33E-04	1.92E-04
SN125	2.34E-02	2.18E-02	2.02E-02	1.62E-02	1.12E-02	5.36E-03	2.56E-03	5.87E-04	1.47E-04	9.24E-09	5.79E-12
SB125	1.41E-04	1.56E-04	1.71E-04	2.09E-04	2.56E-04	3.10E-04	3.33E-04	3.47E-04	3.41E-04	3.18E-04	2.97E-04
SB126	3.06E-03	2.90E-03	2.74E-03	2.32E-03	1.76E-03	1.01E-03	5.81E-04	1.91E-04	1.20E-05	5.81E-08	1.17E-08

B-9

SEDAN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	2.62E+00	9.50E-04	3.45E-07	1.65E-17	1.03E-34	0.	0.	0.	0.	0.	0.
SB127	3.06E-02	1.26E-01	1.05E-01	6.14E-02	2.51E-02	4.20E-03	7.02E-04	1.96E-05	2.56E-09	4.37E-17	7.44E-25
TE127M	2.48E-10	1.92E-04	3.51E-04	6.81E-04	9.42E-04	1.04E-03	1.00E-03	6.87E-04	6.48E-04	3.42E-04	1.81E-04
TE127	1.73E-02	9.00E-02	8.83E-02	5.38E-02	2.27E-02	4.67E-03	1.60E-03	8.96E-04	6.39E-04	3.38E-04	1.79E-04
SB128	6.51E-01	1.11E-01	1.75E-02	6.83E-05	6.63E-09	6.22E-17	5.85E-25	5.16E-41	0.	0.	0.
SB129	3.12E+00	1.60E-01	3.34E-03	3.04E-08	1.21E-16	1.91E-33	3.01E-50	0.	0.	0.	0.
TE129M	5.90E-08	6.21E-03	6.21E-03	5.86E-03	5.30E-03	4.32E-03	3.51E-03	2.34E-03	8.43E-04	1.10E-04	1.43E-05
TE129	2.25E+00	1.87E-01	7.79E-03	3.76E-03	3.39E-03	2.76E-03	2.25E-03	1.50E-03	5.41E-04	7.06E-05	9.16E-06
I130	1.43E-02	3.73E-03	9.76E-04	1.75E-05	2.13E-08	3.18E-14	4.74E-20	1.05E-31	0.	0.	0.
TE131M	5.11E-05	1.79E-01	1.03E-01	1.94E-02	1.22E-03	4.74E-06	1.86E-08	2.83E-13	2.57E-25	0.	0.
TE131	4.71E+01	3.26E-02	1.87E-02	3.55E-03	2.22E-04	8.67E-07	3.38E-09	5.18E-14	4.71E-26	0.	0.
I131	6.84E-03	3.69E-01	3.49E-01	2.80E-01	1.85E-01	7.79E-02	3.30E-02	5.89E-03	7.96E-05	1.45E-08	2.64E-12
XE131M	1.86E-11	1.71E-04	3.25E-04	6.77E-04	9.68E-04	9.58E-04	7.11E-04	2.94E-04	1.96E-05	5.86E-08	1.65E-10
TE132	4.59E-01	9.09E-01	7.34E-01	3.86E-01	1.33E-01	1.58E-02	1.87E-03	2.63E-05	6.14E-10	3.36E-19	1.83E-28
I132	1.13E+00	9.37E-01	7.56E-01	3.97E-01	1.37E-01	1.63E-02	1.93E-03	2.71E-05	6.34E-10	3.45E-19	1.89E-28
I133	4.52E-01	2.52E+00	1.14E+00	1.06E-01	2.01E-03	7.29E-07	2.64E-10	3.48E-17	2.19E-34	0.	0.
XE133M	1.93E-08	2.38E-02	2.82E-02	1.65E-02	3.88E-03	1.82E-04	8.48E-06	1.84E-08	4.03E-15	1.93E-28	9.22E-42
XE133	3.36E-07	4.57E-01	6.13E-01	5.49E-01	2.99E-01	8.08E-02	2.17E-02	1.56E-03	2.18E-06	4.23E-12	8.21E-18
I135	7.74E+00	1.26E+00	1.05E-01	6.14E-05	2.49E-10	4.12E-21	6.77E-32	1.84E-53	0.	0.	0.
XE135M	8.57E-04	3.94E-01	3.29E-02	1.92E-05	7.79E-11	1.28E-21	2.11E-32	5.74E-54	0.	0.	0.
XE135	8.92E-01	3.40E+00	8.32E-01	4.76E-03	5.83E-07	8.19E-15	1.15E-22	2.27E-38	0.	0.	0.
CS136	1.45E-02	1.38E-02	1.31E-02	1.11E-02	8.53E-03	5.01E-03	2.94E-03	1.01E-03	7.02E-05	3.38E-07	1.64E-09
CS137	3.96E-05	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.27E-04	4.24E-04	4.22E-04	4.19E-04
BA137M	8.34E-08	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.98E-04	3.96E-04	3.93E-04	3.91E-04
BA139	5.49E+00	5.86E-04	3.46E-09	7.12E-25	0.	0.	0.	0.	0.	0.	0.
BA140	3.82E-02	2.25E-01	2.15E-01	1.82E-01	1.39E-01	8.07E-02	4.69E-02	1.59E-02	1.06E-03	4.73E-06	2.09E-08
LA140	9.07E-08	7.86E-02	1.26E-01	1.75E-01	1.55E-01	9.29E-02	5.40E-02	1.84E-02	1.22E-03	5.44E-06	2.42E-08
LA141	5.04E-01	2.00E-01	2.80E-03	7.76E-09	4.25E-18	1.27E-36	3.78E-55	0.	0.	0.	0.
CE141	6.23E-08	6.91E-02	6.85E-02	6.44E-02	5.78E-02	4.67E-02	3.76E-02	2.45E-02	8.43E-03	9.92E-04	1.17E-04
LA142	2.26E+00	4.96E-04	9.59E-09	7.06E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.32E-02	5.41E-01	3.27E-01	7.21E-02	5.80E-03	3.75E-05	2.43E-07	1.02E-11	1.15E-22	0.	0.
PR143	3.85E-09	3.46E-02	5.39E-02	6.96E-02	5.97E-02	3.63E-02	2.19E-02	7.93E-03	6.34E-04	4.03E-06	2.56E-08
CE144	5.00E-04	3.58E-03	3.56E-03	3.54E-03	3.50E-03	3.41E-03	3.33E-03	3.17E-03	2.81E-03	2.20E-03	1.73E-03
PR144	1.37E-07	3.58E-03	3.56E-03	3.54E-03	3.50E-03	3.41E-03	3.33E-03	3.17E-03	2.81E-03	2.20E-03	1.73E-03
PR145	2.24E-02	2.29E-01	1.42E-02	3.36E-06	3.06E-12	2.53E-24	2.10E-36	0.	0.	0.	0.
ND147	3.04E-06	5.11E-02	4.80E-02	3.99E-02	2.91E-02	1.57E-02	8.36E-03	2.40E-03	1.05E-04	2.05E-07	3.98E-10
PM147	8.44E-15	3.82E-05	7.40E-05	1.69E-04	2.92E-04	4.46E-04	5.27E-04	5.87E-04	5.93E-04	5.52E-04	5.14E-04
ND149	5.47E+00	5.29E-04	5.13E-08	4.67E-20	3.99E-40	0.	0.	0.	0.	0.	0.
PM149	7.62E-04	1.41E-01	1.03E-01	4.02E-02	8.39E-03	3.66E-04	1.59E-05	3.03E-08	4.77E-15	1.18E-28	2.94E-42
PM150	6.95E-02	1.47E-04	3.09E-07	2.90E-15	1.21E-28	0.	0.	0.	0.	0.	0.

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	1.79E-02	1.22E-01	6.72E-02	1.13E-02	5.80E-04	1.52E-06	4.02E-09	2.77E-14	3.47E-27	0.	0.
SM153	6.94E-02	4.88E-02	3.42E-02	1.18E-02	2.01E-03	5.85E-05	1.70E-06	1.43E-09	2.94E-17	1.25E-32	5.33E-48
SM156	1.09E-01	1.85E-02	3.16E-03	1.56E-05	2.24E-09	4.60E-17	9.50E-25	4.04E-40	0.	0.	0.
EU155	3.60E-06	1.22E-04	1.22E-04	1.22E-04	1.21E-04	1.21E-04	1.20E-04	1.19E-04	1.17E-04	1.12E-04	1.08E-04
EU156	3.17E-04	2.58E-03	2.86E-03	2.57E-03	2.04E-03	1.28E-03	8.07E-04	3.20E-04	3.17E-05	3.13E-07	3.08E-09
EU157	1.64E-02	1.90E-02	6.39E-03	2.39E-04	1.01E-06	1.77E-11	3.14E-16	9.77E-26	0.	0.	0.
GD159	3.92E-03	7.71E-03	3.07E-03	1.91E-04	1.88E-06	1.82E-10	1.77E-14	1.66E-22	1.42E-42	0.	0.
TB161	6.94E-05	4.54E-04	4.09E-04	3.03E-04	1.83E-04	6.71E-05	2.46E-05	3.29E-06	2.18E-08	9.42E-13	4.09E-17
TOTAL	2.32E+02	8.73E+01	4.65E+01	1.61E+01	1.03E+01	8.49E+00	7.57E+00	6.29E+00	4.15E+00	1.90E+00	9.04E-01

SEDAN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	6.46E-02	5.58E-04	5.19E-05	4.82E-06	3.88E-09	3.10E-12	2.32E-16	1.49E-22	0.	0.	0.
MN 54	1.25E-03	5.41E-04	3.56E-04	2.34E-04	6.70E-05	1.91E-05	3.60E-06	2.94E-07	6.91E-11	2.50E-16	9.04E-22
FE 59	3.22E-04	1.16E-06	6.98E-08	4.20E-09	9.11E-13	1.97E-16	2.56E-21	1.20E-28	0.	0.	0.
CO 57	4.63E-03	1.83E-03	1.14E-03	7.17E-04	1.77E-04	4.36E-05	6.73E-07	4.08E-07	3.57E-11	2.93E-17	0.
CO 58	2.47E-03	7.09E-05	1.20E-05	2.04E-06	9.92E-09	4.83E-11	3.98E-14	9.45E-19	3.61E-34	0.	0.
CO 60	2.56E-04	2.24E-04	2.09E-04	1.95E-04	1.60E-04	1.32E-04	1.01E-04	6.83E-05	1.83E-05	2.54E-06	3.51E-07
W181	2.69E+00	3.31E-01	1.17E-01	4.10E-02	1.78E-02	7.70E-05	1.17E-06	2.19E-09	1.80E-18	0.	0.
W185	6.19E+00	2.13E-01	3.94E-02	7.30E-03	4.65E-05	2.97E-07	3.49E-10	1.42E-14	0.	0.	0.
W188	8.58E-02	2.23E-03	3.62E-04	5.81E-05	2.45E-07	1.03E-09	6.95E-13	1.23E-17	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
* U237	1.86E-01	4.64E-10	4.52E-10	4.40E-10	4.12E-10	3.82E-10	3.48E-10	3.02E-10	1.88E-10	9.21E-11	4.52E-11
AM241	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.64E-07	4.67E-07	4.67E-07	4.69E-07	4.71E-07	4.67E-07	4.60E-07
CM242	3.51E-05	7.43E-06	3.42E-06	1.57E-06	1.53E-07	1.49E-08	6.69E-10	6.32E-12	1.82E-16	1.69E-16	1.58E-16
KR 85	1.11E-06	2.76E-05	2.67E-05	2.59E-05	2.36E-05	2.13E-05	1.87E-05	1.54E-05	8.16E-06	3.12E-06	1.19E-06
SR 89	8.89E-07	2.08E-04	1.82E-05	1.60E-06	1.08E-09	7.27E-13	4.29E-17	1.95E-23	1.42E-44	0.	0.
SR 90	1.70E-06	1.70E-04	1.69E-04	1.67E-04	1.61E-04	1.55E-04	1.47E-04	1.37E-04	1.07E-04	7.39E-05	5.11E-05
Y 90	2.52E-12	1.70E-04	1.69E-04	1.67E-04	1.61E-04	1.55E-04	1.47E-04	1.37E-04	1.07E-04	7.39E-05	5.11E-05
Y 91	5.97E-09	4.03E-04	4.69E-05	5.45E-06	8.54E-09	1.34E-11	2.45E-15	6.02E-21	1.22E-39	0.	0.
ZR 95	1.69E-04	4.35E-04	6.21E-05	8.83E-06	2.58E-08	7.50E-11	3.10E-14	2.62E-19	3.21E-36	0.	0.
NB 95M	3.60E-12	9.20E-06	1.31E-06	1.88E-07	5.46E-10	1.59E-12	6.58E-16	5.55E-21	6.81E-38	0.	0.
NB 95	1.89E-11	9.35E-04	1.34E-04	1.92E-05	5.55E-08	1.61E-10	6.73E-14	5.68E-19	6.96E-36	0.	0.
RU103	5.42E-05	2.10E-04	8.61E-06	3.54E-07	2.42E-11	1.66E-15	4.65E-21	2.19E-29	0.	0.	0.
RH103M	3.61E-09	2.11E-04	8.61E-06	3.54E-07	2.42E-11	1.66E-15	4.65E-21	2.19E-29	0.	0.	0.
RU106	4.96E-04	4.72E-03	3.34E-03	2.37E-03	8.42E-04	2.99E-04	7.52E-05	9.52E-06	9.60E-09	3.09E-13	9.92E-18
RH106	5.37E-06	4.72E-03	3.34E-03	2.37E-03	8.42E-04	2.99E-04	7.52E-05	9.52E-06	9.60E-09	3.09E-13	9.92E-18
SN123	9.63E-06	1.33E-04	4.84E-05	1.76E-05	8.44E-07	4.05E-08	7.05E-10	1.63E-12	2.61E-21	1.68E-34	1.08E-47
SB125	1.41E-04	2.83E-04	2.49E-04	2.19E-04	1.49E-04	1.02E-04	6.07E-05	2.81E-05	2.16E-06	4.59E-08	9.79E-10
TE125M	3.79E-12	1.16E-04	1.03E-04	9.05E-05	6.18E-05	4.20E-05	2.51E-05	1.16E-05	8.93E-07	1.90E-08	4.05E-10
TE127M	2.48E-10	1.19E-04	3.71E-05	1.16E-05	3.57E-07	1.10E-08	1.06E-10	9.92E-14	8.16E-24	6.10E-39	4.54E-54
TE127	1.73E-02	1.17E-04	3.67E-05	1.15E-05	3.53E-07	1.08E-08	1.04E-10	9.84E-14	8.07E-24	6.01E-39	4.50E-54
CS137	3.96E-05	4.17E-04	4.12E-04	4.08E-04	3.93E-04	3.79E-04	3.63E-04	3.39E-04	2.68E-04	1.90E-04	1.34E-04
BA137M	8.34E-08	3.91E-04	3.86E-04	3.82E-04	3.67E-04	3.55E-04	3.39E-04	3.18E-04	2.51E-04	1.78E-04	1.26E-04
CE141	6.23E-08	2.69E-05	5.40E-07	1.09E-08	8.84E-14	7.19E-19	1.18E-25	7.83E-38	0.	0.	0.
CE144	5.00E-04	1.47E-03	9.45E-04	6.03E-04	1.58E-04	4.16E-05	7.00E-06	4.83E-07	6.50E-11	1.02E-16	1.59E-22
PR144	1.37E-07	1.47E-03	9.45E-04	6.03E-04	1.58E-04	4.16E-05	7.00E-06	4.83E-07	6.50E-11	1.02E-16	1.59E-22
PM147	8.44E-15	4.90E-04	4.29E-04	3.76E-04	2.53E-04	1.70E-04	9.99E-05	4.53E-05	3.22E-06	6.09E-08	1.15E-09
EU155	3.60E-06	1.05E-04	9.79E-05	9.11E-05	7.32E-05	5.88E-05	4.39E-05	2.84E-05	6.63E-06	7.45E-07	8.39E-08
TOTAL	9.25E+00	5.67E-01	1.70E-01	5.74E-02	2.19E-02	2.39E-03	1.52E-03	1.15E-03	7.73E-04	5.23E-04	3.65E-04

APPENDIX C
DETAILED RESULTS FOR EVENT JOHNNY BOY

JOHNNY BOY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	9.54E+01	8.80E+03
1.00E+00	3.22E+01	1.98E+03
2.00E+00	1.30E+01	8.08E+02
3.00E+00	6.92E+00	4.95E+02
4.00E+00	4.30E+00	3.58E+02
6.00E+00	2.26E+00	2.34E+02
9.00E+00	1.36E+00	1.57E+02
1.20E+01	1.00E+00	1.18E+02
1.50E+01	7.90E-01	9.35E+01
1.80E+01	6.46E-01	7.67E+01
2.10E+01	5.41E-01	6.45E+01
1.00E+00 DAYS	4.55E-01	5.44E+01
2.00E+00	1.93E-01	2.31E+01
5.00E+00	7.09E-02	8.45E+00
1.00E+01	3.41E-02	4.10E+00
2.00E+01	1.38E-02	1.78E+00
3.00E+01	7.80E-03	1.10E+00
5.00E+01	3.40E-03	5.97E-01
1.00E+02	1.04E-03	2.52E-01
2.00E+02	3.48E-04	8.54E-02
3.00E+02	1.36E-04	3.99E-02
1.00E+00 YEARS	7.99E-05	2.82E-02
1.50E+00	2.77E-05	1.58E-02
2.00E+00	1.81E-05	1.14E-02
3.50E+00	1.25E-05	6.26E-03
5.00E+00	1.05E-05	4.55E-03
7.00E+00	9.21E-06	3.71E-03
1.00E+01	8.09E-06	3.20E-03
2.00E+01	5.88E-06	2.37E-03
3.50E+01	4.05E-06	1.64E-03
5.00E+01	2.84E-06	1.14E-03

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME 1	00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.47E-05	1.47E-05	1.47E-05	1.47E-05
NA 24	2.76E+00	2.64E+00	2.52E+00	2.40E+00	2.29E+00	2.29E+00	2.09E+00	1.82E+00	1.59E+00	1.38E+00	1.20E+00	1.04E+00
MN 54	2.29E-05	2.29E-05	2.29E-05	2.29E-05	2.29E-05	2.29E-05	2.29E-05	2.29E-05	2.27E-05	2.27E-05	2.27E-05	2.27E-05
FE 55	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04
FE 59	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.02E-04	1.02E-04	1.02E-04
CO 57	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06	1.21E-06
CO 58	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.26E-04	1.26E-04	1.26E-04	1.26E-04	1.26E-04	1.26E-04
CO 60	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.36E-05
CU 64	1.23E+00	1.17E+00	1.11E+00	1.05E+00	9.93E-01	8.91E-01	7.57E-01	6.44E-01	5.47E-01	4.66E-01	3.96E-01	3.36E-01
CU 67	2.00E-05	1.98E-05	1.95E-05	1.93E-05	1.91E-05	1.86E-05	1.79E-05	1.74E-05	1.69E-05	1.62E-05	1.58E-05	1.55E-05
W181	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04
W185	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04
W187	1.08E-01	1.05E-01	1.01E-01	9.86E-02	9.60E-02	9.04E-02	8.31E-02	7.62E-02	6.96E-02	6.42E-02	5.93E-02	5.53E-02
W188	2.64E-07	2.64E-07	2.64E-07	2.63E-07	2.63E-07	2.63E-07	2.63E-07	2.63E-07	2.62E-07	2.62E-07	2.62E-07	2.61E-07
AU198	1.14E+00	1.13E+00	1.12E+00	1.10E+00	1.09E+00	1.07E+00	1.03E+00	9.99E-01	9.64E-01	9.35E-01	9.04E-01	8.71E-01
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PB203	3.21E-05	3.17E-05	3.12E-05	3.08E-05	3.03E-05	2.97E-05	2.85E-05	2.74E-05	2.63E-05	2.52E-05	2.43E-05	2.33E-05
U237	4.97E-02	4.95E-02	4.93E-02	4.91E-02	4.89E-02	4.84E-02	4.78E-02	4.73E-02	4.66E-02	4.60E-02	4.54E-02	4.48E-02
U239	1.95E+02	3.32E+01	5.67E+00	9.65E-01	1.64E-01	4.78E-03	2.37E-05	1.17E-07	5.78E-10	2.86E-12	1.41E-14	7.15E-17
* U240	2.38E-01	2.27E-01	2.16E-01	2.05E-01	1.96E-01	1.77E-01	1.53E-01	1.32E-01	1.14E-01	9.80E-02	8.45E-02	7.25E-02
* NP239	6.66E-04	1.12E+00	1.29E+00	1.31E+00	1.30E+00	1.27E+00	1.22E+00	1.18E+00	1.14E+00	1.10E+00	1.06E+00	1.02E+00
* NP240M	3.76E-04	2.27E-01	2.18E-01	2.07E-01	1.97E-01	1.78E-01	1.54E-01	1.33E-01	1.15E-01	9.89E-02	8.54E-02	7.38E-02
* NP240	9.53E-12	4.90E-12	2.54E-12	1.31E-12	6.79E-13	1.82E-13	2.50E-14	3.46E-15	4.76E-16	6.56E-17	9.08E-18	1.25E-18
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GE 75	7.52E-06	3.65E-02	2.20E-02	1.32E-02	7.96E-03	2.89E-03	6.30E-04	1.38E-04	3.01E-05	6.57E-06	1.44E-06	3.19E-07
GE 77	4.49E-03	1.16E-02	1.09E-02	1.02E-02	9.63E-03	8.51E-03	7.56E-03	5.88E-03	4.90E-03	4.07E-03	3.39E-03	2.85E-03
AS 77	4.64E-05	7.33E-03	7.41E-03	7.46E-03	7.51E-03	7.56E-03	7.56E-03	7.51E-03	7.40E-03	7.25E-03	7.07E-03	6.91E-03
SE 77M	1.83E-09	2.19E-05	2.23E-05	2.24E-05	2.24E-05	2.26E-05	2.28E-05	2.26E-05	2.23E-05	2.18E-05	2.11E-05	2.04E-05
GE 78	6.72E-01	4.20E-01	2.61E-01	1.63E-01	1.02E-01	3.97E-02	9.64E-03	2.33E-03	5.69E-04	1.38E-04	3.36E-05	7.85E-06
AS 78	1.21E-02	2.01E-01	2.47E-01	2.32E-01	1.94E-01	1.14E-01	4.25E-02	1.41E-02	4.36E-03	1.30E-03	3.78E-04	9.81E-05
AS 79	1.40E+01	1.38E-01	1.36E-03	1.34E-05	1.32E-07	1.27E-11	1.22E-17	1.16E-23	1.11E-29	1.06E-35	1.01E-41	9.66E-47
SE 79M	2.07E-02	2.43E-01	2.40E-03	2.36E-05	2.33E-07	2.25E-11	2.15E-17	2.05E-23	1.95E-29	1.87E-35	1.78E-41	1.70E-47
BR 80	9.19E-02	8.67E-03	8.15E-04	7.67E-05	7.22E-06	6.40E-08	5.36E-11	4.47E-14	3.72E-17	3.11E-20	2.59E-23	2.16E-26
SE 81M	7.72E-02	3.60E+00	1.74E+00	8.36E-01	4.02E-01	9.39E-02	1.05E-02	1.18E-03	1.32E-04	1.48E-05	1.66E-06	1.85E-07
SE 81	9.43E-01	4.26E+00	2.46E+00	1.23E+00	5.97E-01	1.39E-01	1.56E-02	1.75E-03	1.96E-04	2.20E-05	2.46E-06	2.73E-07
BR 82	4.96E-04	4.86E-04	4.76E-04	4.67E-04	4.58E-04	4.40E-04	4.15E-04	3.91E-04	3.69E-04	3.48E-04	3.28E-04	3.08E-04
SE 83	4.61E+01	8.74E+00	1.66E+00	3.14E-01	5.93E-02	2.14E-03	1.45E-05	9.87E-08	6.74E-10	4.57E-12	2.90E-14	1.78E-16
BR 83	3.83E-01	5.72E+00	5.29E+00	4.16E+00	3.16E+00	1.79E+00	7.55E-01	3.18E-01	1.34E-01	5.66E-02	2.39E-02	9.81E-03
KR 83M	1.98E-05	1.29E+00	2.64E+00	3.28E+00	3.39E+00	2.83E+00	1.67E+00	8.58E-01	4.13E-01	1.91E-01	8.58E-02	4.13E-02

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	9.93E-02	1.71E+01	4.63E+00	1.25E+00	3.39E-01	2.48E-02	4.90E-04	9.67E-06	1.91E-07	3.79E-09	7.48E-11	
KR 85M	4.99E-03	1.07E+01	9.11E+00	7.78E+00	6.65E+00	4.85E+00	3.03E+00	1.89E+00	1.18E+00	7.31E-01	4.57E-01	
KR 87	8.50E+01	4.90E+01	2.84E+01	1.64E+01	9.47E+00	3.17E+00	6.16E-01	1.19E-01	2.31E-02	4.47E-03	8.65E-04	
KR 88	4.89E+01	3.82E+01	2.98E+01	2.32E+01	1.82E+01	1.10E+01	5.26E+00	2.51E+00	1.19E+00	5.68E-01	2.70E-01	
RB 88	1.24E+01	3.86E+01	3.29E+01	2.60E+01	2.03E+01	1.24E+01	5.90E+00	2.81E+00	1.34E+00	6.36E-01	3.02E-01	
RB 89	5.84E+01	5.49E+01	3.69E+00	2.48E-01	1.66E-02	7.52E-05	2.28E-08	6.87E-12	2.09E-15	6.34E-19	1.92E-22	
SR 89	4.47E-06	1.57E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.66E-01	1.66E-01	
SR 90	9.05E-06	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	
SR 91	1.02E+00	1.90E+01	1.77E+01	1.65E+01	1.53E+01	1.33E+01	1.07E+01	8.66E+00	6.99E+00	5.61E+00	4.53E+00	
Y 91M	6.86E-05	6.54E+00	8.92E+00	9.56E+00	9.43E+00	8.47E+00	6.93E+00	5.57E+00	4.50E+00	3.62E+00	2.92E+00	
Y 91	2.81E-08	5.82E-03	1.34E-02	2.14E-02	2.92E-02	4.38E-02	6.22E-02	7.70E-02	8.92E-02	9.88E-02	1.06E-01	
SR 92	6.05E+00	2.70E+01	2.09E+01	1.62E+01	1.25E+01	7.51E+00	3.49E+00	1.62E+00	7.51E-01	3.49E-01	1.62E-01	
Y 92	2.79E-01	5.68E+00	8.91E+00	1.06E+01	1.12E+01	1.07E+01	8.21E+00	5.60E+00	3.60E+00	2.22E+00	1.34E+00	
SR 93	2.36E+02	4.06E+00	2.24E-02	1.24E-04	6.83E-07	2.09E-11	3.52E-18	5.94E-25	1.00E-31	1.69E-38	2.85E-45	
Y 93	2.88E-01	9.31E+00	8.74E+00	8.18E+00	7.64E+00	6.67E+00	5.43E+00	4.44E+00	3.60E+00	2.96E+00	2.40E+00	
Y 94	3.41E+01	4.65E+01	5.99E+00	7.72E-01	9.96E-02	1.65E-03	3.55E-06	7.61E-09	1.63E-11	3.55E-14	1.97E-15	
Y 95	1.45E+02	1.36E+01	3.01E-01	6.63E-03	1.46E-04	7.09E-08	7.59E-13	8.11E-18	8.66E-23	9.26E-28	9.90E-33	
ZR 95	5.44E-04	7.11E-02	7.25E-02	7.25E-02	7.25E-02	7.25E-02	7.25E-02	7.23E-02	7.23E-02	7.21E-02	7.21E-02	
NB 95	6.06E-11	4.39E-05	1.02E-04	1.61E-04	2.20E-04	3.36E-04	5.11E-04	6.87E-04	8.59E-04	1.03E-03	1.20E-03	
ZR 97	1.27E+00	5.53E+00	5.29E+00	5.09E+00	4.87E+00	4.50E+00	3.98E+00	3.52E+00	3.12E+00	2.75E+00	2.45E+00	
NB 97M	6.53E-03	5.31E+00	5.09E+00	4.89E+00	4.70E+00	4.32E+00	3.82E+00	3.39E+00	2.99E+00	2.64E+00	2.34E+00	
NB 97	6.36E-01	2.77E+00	3.91E+00	4.46E+00	4.67E+00	4.65E+00	4.24E+00	3.78E+00	3.34E+00	2.95E+00	2.62E+00	
NB 98	7.09E+00	3.14E+00	1.39E+00	6.14E-01	2.72E-01	5.32E-02	4.60E-03	3.98E-04	3.46E-05	3.00E-06	2.58E-07	
MC 99	3.68E-03	1.52E+00	1.50E+00	1.49E+00	1.47E+00	1.44E+00	1.40E+00	1.35E+00	1.31E+00	1.27E+00	1.23E+00	
TC 99M	3.42E-08	1.45E-01	2.72E-01	3.84E-01	4.83E-01	6.44E-01	8.18E-01	9.28E-01	9.96E-01	1.03E+00	1.05E+00	
MC101	1.23E+02	5.57E+01	3.23E+00	1.87E-01	1.09E-02	3.64E-05	7.08E-09	1.38E-12	2.68E-16	5.20E-20	1.01E-23	
TC101	5.20E+00	1.56E+02	1.71E+01	1.40E+00	1.02E-01	4.60E-04	1.15E-07	2.58E-11	5.46E-15	1.12E-18	2.27E-22	
MC102	9.52E+02	2.17E+01	4.94E-01	1.13E-02	2.57E-04	1.34E-07	1.59E-12	1.89E-17	2.23E-22	2.65E-27	3.15E-32	
TC102M	6.12E-01	1.84E+01	4.21E-01	9.61E-03	2.19E-04	1.13E-07	1.35E-12	1.60E-17	1.89E-22	2.24E-27	2.66E-32	
TC102	2.86E+03	1.09E+01	2.49E-01	5.66E-03	1.30E-04	6.75E-08	8.02E-13	9.52E-18	1.13E-22	1.34E-27	1.59E-32	
RU103	6.14E-05	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.41E-01	1.41E-01	1.41E-01	1.40E-01	1.40E-01	
RH103M	4.09E-09	7.35E-02	1.09E-01	1.26E-01	1.35E-01	1.40E-01	1.41E-01	1.41E-01	1.41E-01	1.40E-01	1.40E-01	
TC104	4.88E+01	3.51E+01	3.51E+00	3.47E-01	3.44E-02	3.39E-04	3.31E-07	3.23E-10	3.15E-13	3.08E-16	3.01E-19	
RU105	3.28E-01	1.13E+01	9.68E+00	8.30E+00	7.10E+00	5.19E+00	3.25E+00	2.03E+00	1.27E+00	7.96E-01	5.00E-01	
RH105M	2.15E-03	1.14E+01	9.71E+00	8.32E+00	7.10E+00	5.21E+00	3.25E+00	2.04E+00	1.28E+00	7.99E-01	5.00E-01	
RH105	3.54E-09	2.30E-01	4.28E-01	5.91E-01	7.27E-01	9.30E-01	1.11E+00	1.20E+00	1.22E+00	1.21E+00	1.18E+00	
RU106	2.45E-04	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	
RH106	2.66E-06	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.65E-03	
RH107	2.90E-02	3.94E+00	5.98E-01	8.99E-02	1.36E-02	3.10E-04	1.07E-06	3.68E-09	1.27E-11	4.33E-14	4.31E-18	
PD107M	6.03E-05	8.02E-01	1.21E-01	1.83E-02	2.76E-03	6.30E-05	2.17E-07	7.49E-10	2.57E-12	8.89E-15	3.03E-17	

C-4

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.83E-03	1.52E-01	1.44E-01	1.37E-01	1.30E-01	1.17E-01	1.01E-01	8.64E-02	7.41E-02	6.35E-02	5.45E-02
AG109M	1.06E-05	1.52E-01	1.44E-01	1.37E-01	1.30E-01	1.17E-01	1.01E-01	8.64E-02	7.41E-02	6.35E-02	5.45E-02
PD111M	2.91E-01	2.57E-01	2.26E-01	2.00E-01	1.76E-01	1.37E-01	9.37E-02	6.42E-02	4.40E-02	3.01E-02	2.07E-02
PD111	1.04E-01	1.87E-01	1.79E-01	1.60E-01	1.41E-01	1.10E-01	7.53E-02	5.16E-02	3.53E-02	2.42E-02	1.66E-02
AG111M	8.24E-04	2.52E-01	2.37E-01	2.12E-01	1.87E-01	1.45E-01	9.88E-02	6.77E-02	4.64E-02	3.18E-02	2.17E-02
AG111	2.93E-10	8.70E-04	1.83E-03	6.8E-03	3.45E-03	4.70E-03	6.03E-03	6.91E-03	7.49E-03	7.85E-03	8.06E-03
PD112	6.36E-02	5.16E-02	5.95E-02	5.76E-02	5.58E-02	5.21E-02	4.73E-02	4.28E-02	3.88E-02	3.51E-02	3.18E-02
AG112	1.91E-06	1.22E-02	2.15E-02	2.89E-02	3.43E-02	4.11E-02	4.51E-02	4.50E-02	4.28E-02	3.99E-02	3.68E-02
AG113	8.69E-04	1.86E-01	1.63E-01	1.43E-01	1.25E-01	9.65E-02	6.54E-02	4.41E-02	2.98E-02	2.01E-02	1.36E-02
AG115	3.92E-01	4.20E-01	5.23E-01	6.54E-01	8.19E-01	1.28E-01	2.50E-01	4.41E-01	7.47E-01	9.41E-01	1.163E-01
CD115M	3.21E-09	8.53E-05	9.59E-05	9.72E-05	9.72E-05	9.72E-05	9.69E-05	9.69E-05	9.66E-05	9.62E-05	9.62E-05
CD115	1.24E-06	2.34E-02	2.51E-02	2.51E-02	2.48E-02	2.41E-02	2.32E-02	2.23E-02	2.15E-02	2.07E-02	1.99E-02
IN115M	1.54E-11	2.58E-03	5.73E-03	8.50E-03	1.08E-02	1.45E-02	1.78E-02	1.97E-02	2.05E-02	2.07E-02	2.05E-02
CD117	2.79E-02	4.64E-01	3.50E-01	2.61E-01	1.96E-01	1.10E-01	4.61E-02	1.94E-02	8.17E-03	3.43E-03	1.45E-03
IN117M	1.34E-06	1.62E-01	2.34E-01	2.54E-01	2.45E-01	1.93E-01	1.11E-01	5.66E-02	2.72E-02	1.26E-02	5.69E-03
IN117	5.40E-11	2.95E-02	7.13E-02	9.91E-02	1.11E-01	1.02E-01	6.47E-02	3.47E-02	1.72E-02	8.11E-03	3.73E-03
CD118	1.87E+00	8.01E-01	3.44E-01	1.46E-01	6.27E-02	1.15E-02	9.01E-04	7.04E-05	5.4E-06	4.34E-07	3.40E-08
IN118	1.24E-01	8.01E-01	3.44E-01	1.47E-01	6.27E-02	1.15E-02	9.01E-04	7.07E-05	5.54E-06	4.34E-07	3.40E-08
CD119	4.64E+00	7.24E-02	1.13E-03	1.77E-05	2.76E-07	6.75E-11	2.57E-16	9.83E-22	3.74E-27	1.43E-32	5.47E-38
IN119M	6.99E-03	7.83E-01	8.52E-02	8.59E-03	8.55E-04	8.41E-06	8.21E-09	8.03E-12	7.83E-15	7.65E-18	7.48E-21
IN119	3.45E-01	4.12E-02	4.78E-03	4.85E-04	4.85E-05	4.74E-07	4.64E-10	4.54E-13	4.43E-16	4.33E-19	4.22E-22
SN121	5.64E-04	5.81E-02	5.64E-02	5.51E-02	5.38E-02	5.11E-02	4.71E-02	4.38E-02	4.05E-02	3.75E-02	3.48E-02
SN123M	3.10E-01	5.79E-01	2.05E-01	7.26E-02	2.57E-02	3.20E-03	1.42E-04	6.29E-06	2.73E-07	1.23E-08	5.42E-10
SN123	2.91E-06	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.04E-04
SN125	8.16E-03	8.14E-03	8.12E-03	8.10E-03	8.05E-03	8.01E-03	7.95E-03	7.86E-03	7.80E-03	7.71E-03	7.65E-03
SB125	4.90E-05	4.92E-05	4.94E-05	4.97E-05	4.99E-05	5.03E-05	5.11E-05	5.18E-05	5.24E-05	5.31E-05	5.37E-05
SB126	1.62E-03	1.61E-03	1.61E-03	1.61E-03	1.60E-03	1.60E-03	1.59E-03	1.58E-03	1.56E-03	1.55E-03	1.54E-03
SN127	2.94E+00	2.11E+00	1.52E+00	1.09E+00	7.87E-01	4.06E-01	1.51E-01	5.61E-02	2.08E-02	7.73E-03	2.87E-03
SB127	3.43E-02	1.18E-01	1.31E-01	1.40E-01	1.46E-01	1.52E-01	1.54E-01	1.53E-01	1.50E-01	1.47E-01	1.44E-01
TE127	1.94E-02	2.41E-02	2.93E-02	3.48E-02	4.02E-02	5.04E-02	6.46E-02	7.54E-02	8.39E-02	9.05E-02	9.48E-02
SN128	1.96E+01	9.66E+00	4.78E+00	2.36E+00	1.17E+00	2.85E-01	3.44E-02	4.16E-03	5.01E-04	6.08E-05	7.33E-06
SB128M	9.97E-03	1.10E+01	5.71E+00	2.82E+00	1.39E+00	3.41E-01	4.10E-02	4.96E-03	5.97E-04	7.22E-05	8.73E-06
SB128	8.26E-01	7.95E-01	7.48E-01	7.01E-01	6.55E-01	5.61E-01	4.48E-01	3.59E-01	2.82E-01	2.24E-01	1.78E-01
SN129M	1.29E+01	6.42E+00	3.22E+00	1.61E+00	8.05E-01	2.01E-01	2.52E-02	3.15E-03	3.93E-04	4.92E-05	6.14E-06
SN129	8.59E+01	8.43E-01	8.32E-03	8.21E+05	8.05E-07	7.83E-11	7.45E-17	7.12E-23	6.80E-29	6.47E-35	6.20E-41
SB129	4.83E+00	8.10E+00	7.61E+00	6.80E+00	5.98E+00	4.44E+00	2.77E+00	1.71E+00	1.05E+00	6.53E-01	4.01E-01
TE129M	9.14E-08	1.01E-03	2.08E-03	3.06E-03	3.93E-03	5.33E-03	6.74E-03	7.61E-03	8.16E-03	8.48E-03	8.70E-03
TE129	3.48E+00	4.79E+00	5.60E+00	5.82E+00	5.60E+00	4.64E+00	3.09E+00	1.95E+00	1.21E+00	7.50E-01	4.65E-01
SB130M	4.73E-01	8.93E-01	2.35E-03	6.16E-06	1.62E-08	1.12E-13	2.04E-21	3.70E-29	6.72E-37	1.22E-44	2.22E-52
SB130	8.11E+01	2.45E+01	6.98E+00	1.98E+00	5.59E-01	4.50E-02	1.03E-03	2.34E-05	5.34E-07	1.22E-08	2.78E-10

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01	
I130	2.26E-02	2.13E-02	2.02E-02	1.91E-02	1.81E-02	1.62E-02	1.36E-02	1.15E-02	9.75E-03	8.26E-03	6.98E-03
SB131	1.90E+02	4.96E+01	8.11E+00	1.33E+00	2.18E-01	5.88E-03	2.59E-05	1.14E-07	5.03E-10	2.22E-12	1.11E-14
TE131M	9.14E-05	4.78E-01	5.45E-01	5.46E-01	5.36E-01	5.12E-01	4.77E-01	4.45E-01	4.16E-01	3.88E-01	3.62E-01
TE131	8.41E+01	9.14E+01	2.98E+01	7.75E+00	1.88E+00	1.77E-01	8.77E-02	8.11E-02	7.56E-02	7.08E-02	6.60E-02
I131	1.22E-02	4.24E-01	6.23E-01	6.84E-01	6.96E-01	7.02E-01	7.02E-01	6.96E-01	6.96E-01	6.90E-01	6.90E-01
TE132	1.02E+00	2.49E+00	2.46E+00	2.44E+00	2.42E+00	2.37E+00	2.31E+00	2.25E+00	2.19E+00	2.13E+00	2.08E+00
I132	2.51E+00	2.50E+00	2.50E+00	2.49E+00	2.47E+00	2.44E+00	2.38E+00	2.32E+00	2.26E+00	2.20E+00	2.15E+00
TE133M	1.26E-01	4.38E+01	1.91E+01	8.31E+00	3.61E+00	6.86E-01	5.65E-02	4.66E-03	3.84E-04	3.17E-05	2.61E-06
TE133	7.10E+02	4.03E+01	4.48E+00	1.48E+00	6.26E-01	1.19E-01	9.81E-03	8.06E-04	6.68E-05	5.49E-06	4.53E-07
I133	1.10E+00	1.19E+01	1.28E+01	1.28E+01	1.26E+01	1.19E+01	1.08E+01	9.81E+00	8.85E+00	8.06E+00	7.28E+00
XE133M	4.69E-08	2.67E-03	6.44E-03	1.03E-02	1.40E-02	2.11E-02	3.05E-02	3.87E-02	4.56E-02	5.16E-02	5.65E-02
XE133	8.18E-07	4.66E-02	1.13E-01	1.81E-01	2.48E-01	3.76E-01	5.51E-01	7.04E-01	8.43E-01	9.63E-01	1.07E+00
TE134	2.20E+02	1.02E+02	3.79E+01	1.41E+01	5.23E+00	7.25E-01	3.70E-02	1.90E-03	9.72E-05	4.99E-06	2.56E-07
I134	1.01E+02	1.35E+02	9.43E+01	5.53E+01	2.97E+01	7.54E+00	8.28E-01	8.46E-02	8.28E-03	7.94E-04	7.54E-05
I135	1.86E+01	3.28E+01	2.96E+01	2.66E+01	2.41E+01	2.19E+01	1.43E+01	1.05E+01	7.70E+00	5.67E+00	4.14E+00
XE135M	2.06E-03	9.46E+00	9.20E+00	8.34E+00	7.49E+00	6.10E+00	4.48E+00	3.28E+00	2.41E+00	1.76E+00	1.29E+00
XE135	2.14E+00	4.24E+00	6.20E+00	7.81E+00	9.09E+00	1.09E+01	1.21E+01	1.21E+01	1.15E+01	1.05E+01	9.41E+00
CS136	1.69E-03	1.69E-03	1.69E-03	1.68E-03	1.68E-03	1.67E-03	1.66E-03	1.65E-03	1.64E-03	1.63E-03	1.62E-03
CS137	9.00E-05	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04
BA137M	1.90E-07	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04
XE138	7.42E+02	6.38E+01	5.55E+00	4.81E+01	4.16E-02	3.12E-04	2.03E-07	1.32E-10	8.57E-14	5.57E-17	3.62E-20
CS138	1.10E+02	1.86E+02	6.44E+01	1.89E+01	5.30E+00	4.04E-01	8.40E-03	1.74E-04	3.62E-06	7.54E-08	1.56E-09
CS139	6.54E+02	2.09E+01	2.62E-01	3.29E-03	4.13E-05	6.48E-09	1.29E-14	2.55E-20	5.04E-26	1.00E-31	1.97E-37
BA139	1.21E+01	1.35E+02	8.30E+01	5.04E+01	3.05E+01	1.12E+01	2.48E+00	5.52E-01	1.23E-01	2.72E-02	6.04E-03
BA140	1.08E-01	6.76E-01	6.76E-01	6.71E-01	6.71E-01	6.66E-01	6.66E-01	6.61E-01	6.56E-01	6.50E-01	6.45E-01
LA140	2.58E-07	1.16E-02	2.29E-02	3.40E-02	4.49E-02	6.61E-02	9.65E-02	1.25E-01	1.52E-01	1.77E-01	2.01E-01
BA141	1.52E+02	4.59E+01	4.55E+00	4.52E-01	4.48E-02	4.45E-04	4.34E-07	4.23E-10	4.12E-13	4.05E-16	3.94E-19
LA141	1.40E+00	2.97E+01	2.77E+01	2.35E+01	1.97E+01	1.38E+01	8.10E+00	4.74E+00	2.79E+00	1.63E+00	9.58E-01
CE141	1.74E-07	1.93E-02	4.52E-02	6.80E-02	8.71E-02	1.17E-01	1.45E-01	1.61E-01	1.71E-01	1.76E-01	1.79E-01
BA142	2.68E+02	1.07E+01	2.43E-01	5.54E-03	1.26E-04	6.56E-08	7.79E-13	9.25E-18	1.10E-22	1.30E-27	1.54E-32
LA142	6.16E+00	4.27E+01	2.82E+01	1.79E+01	1.14E+01	4.61E+00	1.19E+00	3.07E-01	7.91E-02	2.04E-02	5.25E-03
LA143	1.05E+02	2.04E+01	1.05E+00	5.38E-02	2.76E-03	7.24E-06	9.76E-10	1.32E-13	1.77E-17	2.39E-21	3.23E-25
CE143	4.18E-02	2.67E+00	2.76E+00	2.69E+00	2.64E+00	2.54E+00	2.38E+00	2.24E+00	2.10E+00	1.97E+00	1.85E+00
PR143	1.22E-08	4.06E-03	9.86E-03	1.56E-02	2.12E-02	3.20E-02	4.72E-02	6.16E-02	7.48E-02	8.73E-02	9.88E-02
CE144	1.69E-03	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
PR144	4.63E-07	1.10E-02	1.20E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
PR145	6.57E-02	9.65E+00	8.58E+00	7.64E+00	6.82E+00	5.40E+00	3.81E+00	2.69E+00	1.90E+00	1.34E+00	9.50E-01
CE146	1.84E+02	9.44E+00	4.84E-01	2.47E-02	1.27E-03	3.35E-06	4.52E-10	6.08E-14	8.19E-18	1.11E-21	1.49E-25
PR146	3.81E+00	3.31E+01	7.50E+00	1.41E+00	2.54E-01	7.98E-03	4.41E-05	2.43E-07	1.35E-09	7.44E-12	4.06E-14
PR147	2.15E+01	6.22E+00	1.94E-01	6.06E-03	1.90E-04	1.85E-07	5.65E-12	1.73E-16	5.26E-21	1.61E-25	4.90E-30

C-6

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	7.67E-06	1.44E-01	1.48E-01	1.48E-01	1.48E-01	1.48E-01	1.47E-01	1.46E-01	1.45E-01	1.44E-01	1.42E-01	1.41E-01
ND149	9.94E+00	6.76E+00	4.60E+00	3.14E+00	2.12E+00	9.86E-01	3.10E-01	9.79E-02	3.08E-02	9.69E-03	3.06E-03	3.06E-03
PM149	1.38E-03	1.08E-01	1.80E-01	2.27E-01	2.57E-01	2.89E-01	3.01E-01	2.95E-01	2.87E-01	2.76E-01	2.67E-01	2.67E-01
PM150	1.10E-01	8.51E-02	6.59E-02	5.08E-02	3.93E-02	2.36E-02	1.09E-02	5.05E-03	2.34E-03	1.08E-03	5.01E-04	5.01E-04
ND151	3.32E+01	1.04E+00	3.24E-02	1.01E-03	3.17E-05	3.10E-08	9.45E-13	2.89E-17	8.80E-22	2.68E-26	8.21E-31	8.21E-31
PM151	2.10E-02	2.46E-01	2.47E-01	2.41E-01	2.36E-01	2.24E-01	2.07E-01	1.93E-01	1.79E-01	1.66E-01	1.54E-01	1.54E-01
PM152	5.17E+01	5.05E-02	4.93E-05	4.81E-08	4.70E-11	4.49E-17	4.18E-26	3.90E-35	3.63E-44	3.39E-53	3.15E-62	3.15E-62
SM153	6.53E-02	6.43E-02	6.35E-02	6.25E-02	6.16E-02	5.98E-02	5.72E-02	5.47E-02	5.24E-02	5.02E-02	4.80E-02	4.80E-02
SM155	2.81E+00	4.61E-01	7.56E-02	1.24E-02	2.03E-03	5.46E-05	2.41E-07	1.06E-09	4.68E-12	2.08E-14	5.11E-17	5.11E-17
EU155	2.06E-06	5.89E-05	6.82E-05	6.97E-05	6.99E-05	6.99E-05	6.99E-05	6.99E-05	6.99E-05	6.99E-05	6.99E-05	6.99E-05
SM156	3.29E-02	3.06E-02	2.84E-02	2.64E-02	2.45E-02	2.11E-02	1.69E-02	1.36E-02	1.09E-02	8.72E-03	6.98E-03	6.98E-03
EU156	9.62E-05	1.57E-04	2.13E-04	2.66E-04	3.14E-04	4.00E-04	5.09E-04	5.89E-04	6.60E-04	7.12E-04	7.50E-04	7.50E-04
EU157	6.12E-03	2.03E-02	1.94E-02	1.85E-02	1.76E-02	1.61E-02	1.41E-02	1.23E-02	1.07E-02	9.32E-03	8.13E-03	8.13E-03
EU158	1.13E-01	4.56E-02	1.84E-02	7.48E-03	3.03E-03	4.95E-04	3.30E-05	2.19E-06	1.45E-07	9.64E-09	6.41E-10	6.41E-10
EU159	1.44E-01	1.43E-02	1.42E-03	1.41E-04	1.40E-05	1.38E-07	1.35E-10	1.31E-13	1.28E-16	1.25E-19	1.22E-22	1.22E-22
GD159	6.17E-04	2.70E-03	2.81E-03	2.73E-03	2.62E-03	2.43E-03	2.17E-03	1.93E-03	1.72E-03	1.53E-03	1.36E-03	1.36E-03
TB161	4.16E-06	2.99E-05	2.97E-05	2.96E-05	2.95E-05	2.92E-05	2.89E-05	2.86E-05	2.82E-05	2.79E-05	2.75E-05	2.75E-05
TOTAL	8.80E+03	1.98E+03	8.08E+02	4.95E+02	3.58E+02	2.34E+02	1.57E+02	1.18E+02	9.35E+01	7.67E+01	6.45E+01	6.45E+01

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	1.48E-05	1.47E-05	1.45E-05	1.39E-05	1.30E-05	1.14E-05	1.00E-05	7.73E-06	4.05E-06	1.10E-06	2.99E-07
NA 24	2.76E+00	9.10E-01	3.00E-01	1.08E-02	4.21E-05	6.44E-10	9.83E-15	2.29E-24	0.	0.	0.
MN 54	2.29E-05	2.27E-05	2.27E-05	2.23E-05	2.20E-05	2.16E-05	2.12E-05	2.02E-05	1.81E-05	1.44E-05	1.14E-05
FE 55	2.07E-04	2.07E-04	2.07E-04	2.06E-04	2.05E-04	2.04E-04	2.02E-04	2.00E-04	1.92E-04	1.79E-04	1.66E-04
FE 59	1.03E-04	1.02E-04	1.00E-04	9.55E-05	8.84E-05	7.58E-05	6.50E-05	4.78E-05	2.22E-05	4.73E-06	1.02E-06
CO 57	1.21E-06	1.21E-06	1.20E-06	1.20E-06	1.19E-06	1.15E-06	1.12E-06	1.07E-06	9.44E-07	7.29E-07	5.65E-07
CO 58	1.27E-04	1.26E-04	1.24E-04	1.21E-04	1.15E-04	1.04E-04	9.47E-05	7.79E-05	4.80E-05	1.82E-05	6.85E-06
CO 60	8.36E-05	8.36E-05	8.36E-05	8.36E-05	8.31E-05	8.31E-05	8.26E-05	8.21E-05	8.01E-05	7.76E-05	7.47E-05
CU 64	1.23E+00	3.36E-01	9.16E-02	1.86E-03	2.79E-06	6.35E-12	1.44E-17	7.40E-29	0.	0.	0.
CU 67	2.00E-05	1.52E-05	1.16E-05	5.18E-06	1.35E-06	9.09E-08	6.13E-09	2.78E-11	3.89E-17	0.	0.
W181	2.21E-04	2.21E-04	2.18E-04	2.15E-04	2.09E-04	1.98E-04	1.86E-04	1.67E-04	1.25E-04	7.03E-05	3.97E-05
W185	2.55E-04	2.53E-04	2.48E-04	2.44E-04	2.33E-04	2.12E-04	1.93E-04	1.61E-04	1.01E-04	4.03E-05	1.60E-05
W187	1.08E-01	5.38E-02	2.67E-02	3.33E-03	1.02E-04	9.75E-08	9.20E-11	8.31E-19	0.	0.	0.
W188	2.64E-07	2.61E-07	2.58E-07	2.51E-07	2.39E-07	2.16E-07	1.95E-07	1.60E-07	9.70E-08	3.58E-08	1.32E-08
AU198	1.14E+00	8.76E-01	6.77E-01	3.13E-01	8.66E-02	6.63E-03	5.06E-04	2.97E-06	7.73E-12	0.	0.
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PB203	2.34E-05	1.69E-05	6.50E-06	1.32E-06	5.42E-08	2.22E-09	3.73E-12	4.36E-19	0.	0.	0.
U237	4.97E-02	4.49E-02	4.05E-02	2.98E-02	1.78E-02	6.38E-03	2.29E-03	2.92E-04	1.73E-06	1.86E-10	1.25E-10
* U240	2.38E-01	7.33E-02	2.25E-02	6.52E-04	1.79E-06	1.34E-11	1.01E-16	5.71E-27	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	6.66E-04	1.02E+00	7.57E-01	3.13E-01	7.15E-02	3.74E-03	1.96E-04	5.37E-07	2.11E-13	5.04E-23	5.04E-23
* NP240M	3.76E-04	7.37E-02	2.27E-02	6.56E-04	1.80E-06	1.36E-11	1.02E-16	5.75E-27	0.	0.	0.
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GE 77	4.49E-03	2.83E-03	6.47E-04	7.81E-06	4.97E-09	2.01E-15	8.11E-22	1.32E-34	0.	0.	0.
AS 77	4.64E-05	6.85E-03	4.95E-03	1.43E-03	1.68E-04	2.28E-06	3.09E-08	5.70E-12	2.64E-21	5.67E-40	1.22E-58
SE 77M	1.83E-09	2.06E-05	1.48E-05	4.31E-06	5.02E-07	6.83E-09	9.28E-11	1.71E-14	7.93E-24	1.70E-42	3.66E-61
AS 78	1.21E-02	1.08E-04	3.15E-09	2.66E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	4.96E-04	3.09E-04	1.93E-04	4.69E-05	4.45E-06	4.00E-08	3.59E-10	2.90E-14	1.69E-24	5.81E-45	1.98E-65
BR 83	3.83E-01	1.01E-02	1.01E-05	1.03E-14	1.05E-29	0.	0.	0.	0.	0.	0.
KR 83M	1.98E-05	4.41E-02	5.01E-05	4.50E-14	4.62E-29	0.	0.	0.	0.	0.	0.
KR 85M	4.99E-03	2.85E-01	6.50E-03	7.71E-08	4.75E-16	1.81E-32	6.85E-49	0.	0.	0.	0.
KR 85	5.17E-06	1.36E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.36E-04	1.36E-04	1.34E-04	1.32E-04
KR 87	8.50E+01	1.68E-04	3.32E-10	2.57E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.89E+01	1.29E-01	3.37E-04	6.13E-12	7.72E-25	0.	0.	0.	0.	0.	0.
RB 88	1.24E+01	1.43E-01	3.78E-04	6.86E-12	8.60E-25	0.	0.	0.	0.	0.	0.
SR 89	4.47E-06	1.34E-01	1.32E-01	1.27E-01	1.19E-01	1.04E-01	9.09E-02	7.00E-02	3.58E-02	9.42E-03	2.49E-03
SR 90	9.05E-06	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.29E-04	9.21E-04	9.21E-04	9.13E-04
Y 90	1.34E-11	2.13E-04	3.77E-04	6.77E-04	8.64E-04	9.21E-04	9.29E-04	9.29E-04	9.21E-04	9.21E-04	9.13E-04
SR 91	1.02E+00	3.65E+00	6.54E-01	3.75E-03	6.86E-07	2.33E-14	7.89E-22	8.98E-37	0.	0.	0.

C-8

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	6.86E-05	2.36E+00	4.22E-01	2.42E-03	4.45E-07	1.50E-14	5.08E-22	5.80E-37	0.	0.	0.
Y 91	2.81E-08	1.12E-01	1.33E-01	1.33E-01	1.25E-01	1.11E-01	9.88E-02	7.83E-02	4.33E-02	1.33E-02	4.10E-03
SR 92	6.05E+00	7.54E-02	1.63E-04	1.63E-12	7.65E-26	0.	0.	0.	0.	0.	0.
Y 92	2.79E-01	7.90E-01	8.77E-03	6.75E-09	3.94E-19	1.35E-39	4.61E-60	0.	0.	0.	0.
Y 93	2.88E-01	1.94E+00	3.79E-01	2.85E-03	8.20E-07	6.78E-14	5.59E-21	3.82E-35	0.	0.	0.
ZR 95	5.44E-04	6.80E-02	6.73E-02	6.51E-02	6.18E-02	5.54E-02	4.99E-02	4.03E-02	2.36E-02	8.14E-03	2.79E-03
NB 95M	1.16E-11	2.30E-04	4.20E-04	8.02E-04	1.08E-03	1.14E-03	1.05E-03	8.54E-04	5.01E-04	1.72E-04	5.94E-05
NB 95	6.06E-11	1.31E-03	2.60E-03	6.23E-03	1.16E-02	2.00E-02	2.58E-02	3.20E-02	3.08E-02	1.48E-02	5.68E-03
ZR 97	1.27E+00	2.16E+00	8.13E-01	4.30E-02	3.23E-04	1.82E-08	1.02E-12	3.23E-21	1.82E-42	0.	0.
NB 97M	6.53E-03	2.08E+00	7.80E-01	4.15E-02	3.10E-04	1.75E-08	9.83E-13	3.10E-21	1.75E-42	0.	0.
NB 97	6.36E-01	2.17E+00	8.15E-01	4.32E-02	3.25E-04	1.96E-08	1.10E-12	3.49E-21	1.97E-42	0.	0.
MO 99	3.68E-03	1.20E+00	9.35E-01	4.43E-01	1.28E-01	1.07E-02	8.93E-04	6.23E-06	2.53E-11	4.17E-22	6.87E-33
TC 99M	3.42E-08	1.05E+00	8.86E-01	4.24E-01	1.22E-01	1.02E-02	8.53E-04	5.95E-06	2.41E-11	3.98E-22	6.56E-33
RU103	6.14E-05	1.40E-01	1.37E-01	1.30E-01	1.20E-01	1.00E-01	8.42E-02	5.94E-02	2.47E-02	4.29E-03	7.47E-04
RH103M	4.09E-09	1.40E-01	1.38E-01	1.31E-01	1.20E-01	1.00E-01	8.42E-02	5.94E-02	2.47E-02	4.29E-03	7.47E-04
RU105	3.28E-01	3.13E-01	7.39E-03	9.68E-08	7.08E-16	3.78E-32	2.03E-48	0.	0.	0.	0.
RH105M	2.15E-03	3.13E-01	7.39E-03	9.71E-08	7.10E-16	3.80E-32	2.03E-48	0.	0.	0.	0.
RH105	3.54E-09	1.13E+00	7.39E-01	1.84E-01	1.81E-02	1.76E-04	1.71E-06	1.62E-10	1.40E-20	1.05E-40	7.91E-61
RU106	2.45E-04	4.65E-03	4.63E-03	4.61E-03	4.57E-03	4.49E-03	4.39E-03	4.23E-03	3.84E-03	3.18E-03	2.64E-03
RH106	2.66E-06	4.65E-03	4.63E-03	4.61E-03	4.57E-03	4.49E-03	4.39E-03	4.23E-03	3.84E-03	3.18E-03	2.64E-03
PD109	1.83E-03	4.66E-02	1.36E-02	3.37E-04	7.10E-07	3.17E-12	1.41E-17	2.79E-28	0.	0.	0.
AG109M	1.06E-05	4.66E-02	1.36E-02	3.38E-04	7.13E-07	3.17E-12	1.41E-17	2.79E-28	0.	0.	0.
PD111M	2.91E-01	1.41E-02	6.87E-04	7.88E-08	2.13E-14	1.55E-27	1.14E-40	0.	0.	0.	0.
PD111	1.04E-01	1.14E-02	5.52E-04	6.34E-08	1.72E-14	1.25E-27	9.16E-41	0.	0.	0.	0.
AG111M	8.24E-04	1.49E-02	7.25E-04	8.34E-08	2.25E-14	1.65E-27	1.21E-40	0.	0.	0.	0.
AG111	2.93E-10	8.10E-03	7.78E-03	5.92E-03	3.73E-03	1.48E-03	5.87E-04	9.25E-05	9.10E-07	8.81E-11	8.54E-15
PD112	6.36E-02	2.89E-02	1.31E-02	1.21E-03	2.31E-05	8.37E-09	3.04E-12	3.99E-19	2.52E-36	0.	0.
AG112	1.91E-06	3.35E-02	1.54E-02	1.43E-03	2.73E-05	9.88E-09	3.58E-12	4.73E-19	2.96E-36	0.	0.
AG112M	8.69E-04	9.18E-03	3.97E-04	3.23E-08	4.94E-15	1.16E-28	2.70E-42	0.	0.	0.	0.
CD115M	3.21E-09	9.28E-05	9.13E-05	8.69E-05	8.04E-05	6.82E-05	5.82E-05	4.20E-05	1.88E-05	3.74E-06	7.47E-07
CD115	1.24E-06	1.87E-02	1.37E-02	3.9E-03	1.14E-03	5.08E-05	2.26E-06	4.52E-09	7.97E-16	2.50E-29	7.82E-43
IN115M	1.54E-11	1.97E-02	1.49E-02	8.9E-03	1.24E-03	5.54E-05	2.47E-06	4.92E-09	8.72E-16	2.73E-29	8.53E-43
CD117	2.79E-02	6.08E-04	5.92E-07	5.53E-16	4.90E-31	0.	0.	0.	0.	0.	0.
IN117M	1.34E-06	2.52E-03	2.92E-06	2.82E-15	2.50E-30	0.	0.	0.	0.	0.	0.
IN117	5.40E-11	1.66E-03	1.97E-06	1.91E-15	1.69E-30	0.	0.	0.	0.	0.	0.
SN121	5.64E-04	3.22E-02	1.74E-02	2.73E-03	1.25E-04	2.65E-07	5.58E-10	2.49E-15	1.04E-28	0.	0.
SN123	2.91E-06	3.04E-04	3.02E-04	2.96E-04	2.88E-04	2.72E-04	2.58E-04	2.31E-04	1.75E-04	1.01E-04	5.79E-05
SN125	8.16E-03	7.59E-03	7.05E-03	5.65E-03	3.90E-03	1.87E-03	8.93E-04	2.04E-04	5.11E-06	3.22E-09	2.02E-12
SB125	4.90E-05	5.43E-05	5.95E-05	7.27E-05	8.91E-05	1.08E-04	1.16E-04	1.21E-04	1.19E-04	1.11E-04	1.03E-04
SB126	1.62E-03	1.53E-03	1.45E-03	1.23E-03	9.30E-04	5.33E-04	3.07E-04	1.01E-04	6.33E-06	3.07E-08	6.18E-09

C-9

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	2.94E+00	1.07E-03	3.87E-07	1.85E-17	1.16E-34	0.	0.	0.	0.	0.	0.
SB127	3.43E-02	1.41E-01	1.18E-01	6.88E-02	2.82E-02	4.71E-03	7.87E-04	2.20E-05	2.87E-09	4.90E-17	8.34E-25
TE127M	2.78E-10	2.15E-04	3.94E-04	7.64E-04	1.06E-03	1.16E-03	1.12E-03	9.95E-04	7.26E-04	3.83E-04	2.03E-04
TE127	1.94E-02	1.01E-01	9.90E-02	6.03E-02	2.55E-02	5.23E-03	1.79E-03	1.00E-03	7.17E-04	3.79E-04	2.00E-04
SB128	8.26E-01	1.41E-01	2.22E-02	8.68E-05	8.42E-09	7.90E-17	7.43E-25	6.55E-41	0.	0.	0.
SB129	4.83E+00	2.47E-01	5.17E-03	4.70E-08	1.87E-16	2.95E-33	4.66E-50	0.	0.	0.	0.
TE129M	9.14E-08	9.62E-03	9.62E-03	9.08E-03	8.21E-03	6.69E-03	5.44E-03	3.62E-03	1.31E-03	1.70E-04	2.21E-05
TE129	3.48E+00	2.90E-01	1.21E-02	5.82E-03	5.25E-03	4.28E-03	3.49E-03	2.32E-03	8.37E-04	1.09E-04	1.42E-05
I130	2.26E-02	5.90E-03	1.54E-03	2.76E-05	3.37E-08	5.02E-14	7.49E-20	1.67E-31	0.	0.	0.
TE131M	9.14E-05	3.19E-01	1.83E-01	3.47E-02	2.17E-03	8.47E-06	3.32E-08	5.06E-13	4.60E-25	0.	0.
TE131	8.41E+01	5.83E-02	3.35E-02	6.35E-03	3.95E-04	1.55E-06	6.04E-09	9.26E-14	8.41E-26	0.	0.
I131	1.22E-02	6.60E-01	6.23E-01	5.01E-01	3.30E-01	1.39E-01	5.89E-02	1.05E-02	1.42E-04	2.59E-08	4.72E-12
XE131M	3.32E-11	3.06E-04	5.80E-04	1.21E-03	1.73E-03	1.71E-03	1.27E-03	5.25E-04	3.50E-05	1.05E-07	2.95E-10
TE132	1.02E+00	2.03E+00	1.64E+00	8.62E-01	2.97E-01	3.52E-02	4.17E-03	5.86E-05	1.37E-09	7.50E-19	4.09E-28
I132	2.51E+00	2.09E+00	1.69E+00	8.87E-01	3.06E-01	3.63E-02	4.30E-03	6.04E-05	1.41E-09	7.69E-19	4.22E-28
I133	1.10E+00	6.14E+00	2.77E+00	2.57E-01	4.90E-03	1.78E-06	6.44E-10	8.49E-17	5.33E-34	0.	0.
XE133M	4.69E-08	5.80E-02	6.86E-02	4.03E-02	9.45E-03	4.44E-04	2.06E-05	4.48E-08	9.81E-15	4.69E-28	2.24E-41
XE133	8.18E-07	1.11E+00	1.49E+00	1.34E+00	7.28E-01	1.97E-01	5.29E-02	3.81E-03	5.31E-06	1.03E-11	2.00E-17
I135	1.86E+01	3.04E+00	2.53E-01	1.48E-04	5.99E-10	9.89E-21	1.63E-31	4.42E-53	0.	0.	0.
XE135M	2.06E-03	9.46E-01	7.91E-02	4.60E-05	1.87E-10	3.08E-21	5.07E-32	1.38E-53	0.	0.	0.
XE135	2.14E+00	8.18E+00	2.00E+00	1.14E-02	1.40E-06	1.97E-14	2.76E-22	5.45E-38	0.	0.	0.
CS136	1.69E-03	1.61E-03	1.52E-03	1.30E-03	9.94E-04	5.84E-04	3.43E-04	1.18E-04	8.19E-06	3.95E-08	1.91E-10
CS137	9.00E-05	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.70E-04	9.65E-04	9.59E-04	9.54E-04
BA137M	1.90E-07	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.05E-04	9.00E-04	8.95E-04	8.89E-04
BA139	1.21E+01	1.29E-03	7.61E-09	1.57E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.08E-01	6.40E-01	6.09E-01	5.16E-01	3.94E-01	2.29E-01	1.33E-01	4.52E-02	3.01E-03	1.34E-05	5.94E-08
LA140	2.58E-07	2.23E-01	3.59E-01	4.96E-01	4.41E-01	2.64E-01	1.53E-01	5.21E-02	3.46E-03	1.54E-05	6.87E-08
LA141	1.40E+00	5.57E-01	7.81E-03	2.16E-08	1.18E-17	3.53E-36	1.05E-54	0.	0.	0.	0.
CE141	1.74E-07	1.92E-01	1.91E-01	1.79E-01	1.61E-01	1.30E-01	1.05E-01	6.83E-02	2.35E-02	2.76E-03	3.25E-04
LA142	6.16E+00	1.35E-03	2.61E-08	1.92E-22	0.	0.	0.	0.	0.	0.	0.
CE143	4.18E-02	1.72E+00	1.04E+00	2.29E-01	1.84E-02	1.19E-04	7.70E-07	3.23E-11	3.64E-22	0.	0.
PR143	1.22E-08	1.10E-01	1.71E-01	2.21E-01	1.90E-01	1.15E-01	6.97E-02	2.52E-02	2.02E-03	1.28E-05	8.12E-08
CE144	1.69E-03	1.21E-02	1.20E-02	1.19E-02	1.18E-02	1.15E-02	1.12E-02	1.07E-02	9.47E-03	7.42E-03	5.82E-03
PR144	4.63E-07	1.21E-02	1.20E-02	1.19E-02	1.18E-02	1.15E-02	1.12E-02	1.07E-02	9.47E-03	7.42E-03	5.82E-03
PR145	6.57E-02	6.72E-01	4.15E-02	9.85E-06	8.98E-12	7.44E-24	6.17E-36	0.	0.	0.	0.
ND147	7.67E-06	1.29E-01	1.21E-01	1.00E-01	7.35E-02	3.95E-02	2.11E-02	6.06E-03	2.65E-04	5.17E-07	1.00E-09
FM147	2.13E-14	9.64E-05	1.87E-04	4.26E-04	7.37E-04	1.13E-03	1.33E-03	1.48E-03	1.49E-03	1.39E-03	1.30E-03
ND149	9.94E+00	9.62E-04	9.32E-08	8.49E-20	7.25E-40	0.	0.	0.	0.	0.	0.
PM149	1.38E-03	2.56E-01	1.87E-01	7.31E-02	1.53E-02	6.65E-04	2.89E-05	5.50E-08	8.68E-15	2.14E-28	5.34E-42
PM150	1.10E-01	2.32E-04	4.89E-07	4.60E-15	1.92E-28	0.	0.	0.	0.	0.	0.

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	2.10E-02	1.43E-01	7.91E-02	1.33E-02	6.83E-04	1.79E-06	4.72E-09	3.26E-14	4.09E-27	0.	0.	0.
SM153	6.53E-02	4.59E-02	3.22E-02	1.11E-02	1.89E-03	5.50E-05	1.60E-06	1.34E-09	2.77E-17	1.18E-32	5.02E-48	0.
SM156	3.29E-02	5.61E-03	9.57E-04	4.72E-06	6.79E-10	1.40E-17	2.88E-25	1.23E-40	0.	0.	0.	0.
EU155	2.06E-06	6.99E-05	6.98E-05	6.98E-05	6.97E-05	6.94E-05	6.91E-05	6.85E-05	6.72E-05	6.45E-05	6.20E-05	6.20E-05
EU156	9.62E-05	7.83E-04	8.68E-04	7.78E-04	6.18E-04	3.88E-04	2.45E-04	9.71E-05	9.62E-06	9.48E-08	9.34E-10	0.
EU157	6.12E-03	7.07E-03	2.38E-03	8.92E-05	3.75E-07	6.61E-12	1.17E-16	3.64E-26	0.	0.	0.	0.
GD159	6.17E-04	1.21E-03	4.83E-04	3.01E-05	2.97E-07	2.87E-11	2.79E-15	2.61E-23	2.23E-43	0.	0.	0.
TB161	4.16E-06	2.72E-05	2.45E-05	1.82E-05	1.10E-05	4.02E-06	1.47E-06	1.97E-07	1.31E-09	5.64E-14	2.45E-18	0.
TOTAL	3.14E+02	5.44E+01	2.31E+01	8.45E+00	4.10E+00	1.78E+00	1.10E+00	5.97E-01	2.52E-01	8.54E-02	3.99E-02	0.

JOHNNY BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 1.124E-11

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	1.48E-05	1.28E-07	1.19E-08	1.11E-09	8.90E-13	7.12E-16	5.33E-20	3.42E-26	0.	0.	0.
MN 54	2.29E-05	9.85E-06	6.49E-06	4.27E-06	1.22E-06	3.48E-07	6.55E-08	5.36E-09	1.26E-12	4.55E-18	1.65E-23
FE 59	1.03E-04	3.72E-07	2.23E-08	1.34E-09	2.92E-13	6.30E-17	8.20E-22	3.85E-29	0.	0.	0.
CO 57	1.21E-06	4.78E-07	2.99E-07	1.88E-07	4.63E-08	1.14E-08	1.76E-10	1.07E-10	9.35E-15	7.68E-21	0.
CO 58	1.27E-04	3.64E-06	6.18E-07	1.05E-07	5.10E-10	2.48E-12	2.05E-15	4.85E-20	1.86E-35	0.	0.
CO 60	8.36E-05	7.32E-05	6.82E-05	6.38E-05	5.24E-05	4.31E-05	3.31E-05	2.23E-05	5.98E-06	8.31E-07	1.15E-07
W181	2.21E-04	2.72E-05	9.64E-06	3.37E-06	1.46E-06	6.33E-09	9.64E-11	1.80E-13	1.48E-22	0.	0.
W185	2.55E-04	8.78E-06	1.63E-06	3.01E-07	1.92E-09	1.22E-11	1.44E-14	5.84E-19	0.	0.	0.
W188	2.64E-07	6.86E-09	1.11E-09	1.79E-10	7.54E-13	3.16E-15	2.14E-18	3.78E-23	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.97E-02	1.24E-10	1.21E-10	1.18E-10	1.10E-10	1.02E-10	9.29E-11	8.06E-11	5.02E-11	2.46E-11	1.21E-11
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
KR 85	5.17E-06	1.28E-04	1.24E-04	1.20E-04	1.10E-04	9.91E-05	8.71E-05	7.18E-05	3.80E-05	1.45E-05	5.54E-06
SR 89	4.47E-06	1.05E-03	9.16E-05	8.05E-06	5.42E-09	3.66E-12	2.16E-16	9.81E-23	7.13E-44	0.	0.
SR 90	9.05E-06	9.05E-04	8.97E-04	8.88E-04	8.55E-04	8.22E-04	7.83E-04	7.27E-04	5.68E-04	3.92E-04	2.71E-04
Y 90	1.34E-11	9.05E-04	8.97E-04	8.88E-04	8.55E-04	8.22E-04	7.83E-04	7.27E-04	5.68E-04	3.92E-04	2.71E-04
Y 91	2.81E-08	1.90E-03	2.21E-04	2.57E-05	4.02E-08	6.31E-11	1.15E-14	2.84E-20	5.73E-39	0.	0.
ZR 95	5.44E-04	1.40E-03	1.99E-04	2.84E-05	8.28E-08	2.41E-10	9.97E-14	8.42E-19	1.03E-35	0.	0.
NB 95M	1.16E-11	2.96E-05	4.22E-06	6.04E-07	1.75E-09	5.11E-12	2.11E-15	1.78E-20	2.19E-37	0.	0.
NB 95	6.06E-11	3.01E-03	4.32E-04	6.16E-05	1.78E-07	5.18E-10	2.16E-13	1.83E-18	2.24E-35	0.	0.
RU103	6.14E-05	2.38E-04	9.75E-06	4.01E-07	2.74E-11	1.88E-15	5.27E-21	2.48E-29	0.	0.	0.
RH103M	4.09E-09	2.39E-04	9.75E-06	4.01E-07	2.74E-11	1.88E-15	5.27E-21	2.48E-29	0.	0.	0.
RU106	2.45E-04	2.33E-03	1.65E-03	1.17E-03	4.16E-04	1.48E-04	3.72E-05	4.71E-06	4.75E-09	1.53E-13	4.91E-18
RH106	2.66E-06	2.33E-03	1.65E-03	1.17E-03	4.16E-04	1.48E-04	3.72E-05	4.71E-06	4.75E-09	1.53E-13	4.91E-18
SN123	2.91E-06	4.03E-05	1.46E-05	5.31E-06	2.55E-07	1.22E-08	2.13E-10	4.91E-13	7.88E-22	5.07E-35	3.26E-48
SB125	4.90E-05	9.87E-05	8.67E-05	7.63E-05	5.20E-05	3.54E-05	2.11E-05	9.78E-06	7.52E-07	1.60E-08	3.41E-10
TE125M	1.32E-12	4.03E-05	3.58E-05	3.15E-05	2.15E-05	1.46E-05	8.76E-06	4.05E-06	3.11E-07	6.63E-09	1.41E-10
TE127M	2.78E-10	1.33E-04	4.16E-05	1.30E-05	4.00E-07	1.23E-08	1.18E-10	1.11E-13	9.15E-24	6.84E-39	5.09E-54
TE127	1.94E-02	1.32E-04	4.11E-05	1.29E-05	3.96E-07	1.22E-08	1.17E-10	1.10E-13	9.05E-24	6.74E-39	5.04E-54
CS137	9.00E-05	9.48E-04	9.38E-04	9.27E-04	8.95E-04	8.62E-04	8.24E-04	7.71E-04	6.09E-04	4.33E-04	3.06E-04
BA137M	1.90E-07	8.89E-04	8.78E-04	8.68E-04	8.35E-04	8.08E-04	7.71E-04	7.22E-04	5.71E-04	4.04E-04	2.86E-04
CE141	1.74E-07	7.48E-05	1.50E-06	3.02E-08	2.46E-13	2.00E-18	3.29E-25	2.18E-35	0.	0.	0.
CE144	1.69E-03	4.96E-03	3.19E-03	2.03E-03	5.34E-04	1.40E-04	2.36E-05	1.63E-06	2.19E-10	3.44E-16	5.37E-22
PR144	4.63E-07	4.96E-03	3.19E-03	2.03E-03	5.34E-04	1.40E-04	2.36E-05	1.63E-06	2.19E-10	3.44E-16	5.37E-22
PM147	2.13E-14	1.24E-03	1.08E-03	9.48E-04	6.37E-04	4.29E-04	2.52E-04	1.14E-04	8.12E-06	1.54E-07	2.90E-09
EU155	2.06E-06	6.04E-05	5.62E-05	5.23E-05	4.20E-05	3.38E-05	2.52E-05	1.63E-05	3.80E-06	4.28E-07	4.82E-08
TOTAL	7.26E-02	2.82E-02	1.58E-02	1.14E-02	6.26E-03	4.55E-03	3.71E-03	3.20E-03	2.37E-03	1.64E-03	1.14E-03

APPENDIX D
DETAILED RESULTS FOR EVENT SMALL BOY

SMALL BOY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.29E+02	1.23E+04
1.00E+00	3.72E+01	2.34E+03
2.00E+00	1.44E+01	9.03E+02
3.00E+00	7.57E+00	5.42E+02
4.00E+00	4.65E+00	3.90E+02
6.00E+00	2.38E+00	2.54E+02
9.00E+00	1.38E+00	1.71E+02
1.20E+01	1.00E+00	1.29E+02
1.50E+01	7.77E-01	1.03E+02
1.80E+01	6.28E-01	8.42E+01
2.10E+01	5.20E-01	7.09E+01
1.00E+00 DAYS	4.34E-01	6.00E+01
2.00E+00	1.93E-01	2.65E+01
5.00E+00	7.84E-02	9.78E+00
1.00E+01	3.77E-02	4.66E+00
2.00E+01	1.53E-02	2.06E+00
3.00E+01	8.73E-03	1.28E+00
5.00E+01	3.95E-03	7.13E-01
1.00E+02	1.25E-03	3.04E-01
2.00E+02	3.93E-04	1.08E-01
3.00E+02	1.66E-04	5.83E-02
1.00E+00 YEARS	1.08E-04	4.53E-02
1.50E+00	5.14E-05	2.88E-02
2.00E+00	3.59E-05	2.07E-02
3.50E+00	1.93E-05	9.41E-03
5.00E+00	1.33E-05	5.43E-03
7.00E+00	1.04E-05	3.63E-03
1.00E+01	8.91E-06	2.82E-03
2.00E+01	6.75E-06	2.01E-03
3.50E+01	4.76E-06	1.39E-03
5.00E+01	3.36E-06	9.75E-04

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	6.91E-06	6.90E-06	6.90E-06	6.90E-06	6.90E-06	6.89E-06	6.88E-06	6.86E-06	6.85E-06	6.84E-06	6.83E-06
NA 24	2.08E-01	1.99E-01	1.90E-01	1.81E-01	1.73E-01	1.58E-01	1.37E-01	1.20E-01	1.04E-01	9.09E-02	7.88E-02
MN 54	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.45E-05	6.45E-05	6.45E-05	6.45E-05
FE 55	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04
FE 59	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.33E-05	1.33E-05	1.33E-05	1.32E-05
CO 57	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05
CO 58	5.66E-04	5.66E-04	5.66E-04	5.66E-04	5.65E-04	5.65E-04	5.64E-04	5.64E-04	5.63E-04	5.63E-04	5.61E-04
CO 60	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.97E-06
CU 64	2.91E-01	2.76E-01	2.61E-01	2.48E-01	2.35E-01	2.11E-01	1.79E-01	1.52E-01	1.29E-01	1.10E-01	9.35E-02
CU 67	4.29E-05	4.25E-05	4.18E-05	4.14E-05	4.11E-05	4.00E-05	3.85E-05	3.74E-05	3.62E-05	3.48E-05	3.38E-05
W181	1.59E-05	1.59E-05	1.59E-05	1.59E-05	1.59E-05	1.59E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05
W185	2.27E-05	2.27E-05	2.27E-05	2.27E-05	2.27E-05	2.27E-05	2.27E-05	2.26E-05	2.26E-05	2.25E-05	2.25E-05
W187	1.74E-03	1.66E-03	1.63E-03	1.59E-03	1.55E-03	1.45E-03	1.34E-03	1.23E-03	1.12E-03	1.03E-03	9.42E-04
W188	2.80E-07	2.80E-07	2.80E-07	2.79E-07	2.79E-07	2.79E-07	2.78E-07	2.78E-07	2.78E-07	2.78E-07	2.77E-07
AU198	4.14E-03	4.11E-03	4.07E-03	4.00E-03	3.96E-03	3.89E-03	3.75E-03	3.64E-03	3.51E-03	3.40E-03	3.29E-03
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PB203	2.06E-04	2.03E-04	2.00E-04	1.97E-04	1.94E-04	1.90E-04	1.83E-04	1.76E-04	1.69E-04	1.61E-04	1.56E-04
U237	2.29E-02	2.28E-02	2.27E-02	2.26E-02	2.25E-02	2.23E-02	2.20E-02	2.18E-02	2.15E-02	2.12E-02	2.09E-02
U239	9.31E+01	1.59E+01	2.71E+00	4.61E-01	7.84E-02	2.28E-03	1.13E-05	5.58E-08	2.76E-10	1.37E-12	6.76E-15
* U240	4.16E-02	3.96E-02	3.77E-02	3.59E-02	3.42E-02	3.10E-02	2.67E-02	2.30E-02	1.99E-02	1.71E-02	1.48E-02
NP239	3.18E-04	5.34E-01	6.17E-01	6.27E-01	6.22E-01	6.07E-01	5.83E-01	5.63E-01	5.44E-01	5.24E-01	5.04E-01
* NP240M	6.58E-05	3.98E-02	3.80E-02	3.62E-02	3.45E-02	3.12E-02	2.69E-02	2.33E-02	2.00E-02	1.73E-02	1.49E-02
* NP240	1.67E-12	8.56E-13	4.45E-13	2.29E-13	1.19E-13	3.17E-14	4.38E-15	6.04E-16	8.33E-17	1.15E-17	1.59E-18
AM241	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06
CM242	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05
GE 75	9.23E-06	4.47E-02	2.70E-02	1.62E-02	9.76E-03	3.54E-03	7.73E-04	1.69E-04	3.70E-05	8.06E-06	1.76E-06
GE 77	7.85E-03	2.02E-02	1.90E-02	1.79E-02	1.68E-02	1.49E-02	1.24E-02	1.03E-02	8.57E-03	7.12E-03	5.93E-03
AS 77	8.11E-05	1.28E-02	1.30E-02	1.30E-02	1.31E-02	1.32E-02	1.32E-02	1.31E-02	1.29E-02	1.27E-02	1.23E-02
SE 77M	3.20E-09	3.84E-05	3.89E-05	3.92E-05	3.92E-05	3.95E-05	3.98E-05	3.95E-05	3.89E-05	3.81E-05	3.69E-05
GE 78	1.30E+00	8.16E-01	5.07E-01	3.17E-01	1.98E-01	7.70E-02	1.87E-02	4.53E-03	1.11E-03	2.69E-04	6.52E-05
AS 78	2.35E-02	3.90E-01	4.80E-01	4.50E-01	3.76E-01	2.22E-01	8.25E-02	2.74E-02	8.47E-03	2.53E-03	7.34E-04
AS 79	2.28E+01	2.25E-01	2.21E-03	2.18E-05	2.15E-07	2.08E-11	1.98E-17	1.89E-23	1.81E-29	1.72E-35	1.65E-41
SE 79M	3.38E-02	3.97E-01	3.91E-03	3.86E-05	3.79E-07	3.67E-11	3.50E-17	3.34E-23	3.19E-29	3.04E-35	2.90E-41
BR 80	1.23E-01	1.16E-02	1.09E-03	1.03E-04	9.67E-06	8.58E-08	7.18E-11	5.98E-14	4.99E-17	4.16E-20	3.48E-23
SE 81M	9.26E-02	4.32E+00	2.09E+00	1.00E+00	4.82E-01	1.13E-01	1.26E-02	1.41E-03	1.58E-04	1.77E-05	1.99E-06
SE 81	1.13E+00	5.11E+00	2.95E+00	1.47E+00	7.16E-01	1.67E-01	1.87E-02	2.09E-03	2.35E-04	2.63E-05	2.95E-06
BR 82	4.66E-04	4.57E-04	4.48E-04	4.39E-04	4.30E-04	4.14E-04	3.90E-04	3.68E-04	3.47E-04	3.27E-04	3.09E-04
SE 83	3.92E+01	7.42E+00	1.41E+00	2.67E-01	5.04E-02	1.81E-03	1.23E-05	8.39E-08	5.73E-10	3.88E-12	2.47E-14
BR 83	3.25E-01	4.86E+00	4.50E+00	3.54E+00	2.69E+00	1.52E+00	6.42E-01	2.70E-01	1.14E-01	4.81E-02	2.03E-02
KR 83M	1.68E-05	1.10E+00	2.25E+00	2.79E+00	2.88E+00	2.40E+00	1.42E+00	7.29E-01	3.51E-01	1.62E-01	7.29E-02

D-3

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	7.41E-02	1.28E+01	3.45E+00	9.36E-01	2.53E-01	1.85E-02	3.65E-04	7.21E-06	1.43E-07	2.82E-09	5.58E-11
KR 85M	2.61E+03	5.60E+00	4.76E+00	4.07E+00	3.48E+00	2.54E+00	1.58E+00	9.88E-01	6.16E-01	3.83E-01	2.39E-01
KR 87	4.25E+01	2.46E+01	1.42E+01	8.21E+00	4.74E+00	1.59E+00	3.08E-01	5.97E-02	1.16E-02	2.24E-03	4.33E-04
KR 88	2.16E+01	1.69E+01	1.32E+01	1.03E+01	8.02E+00	4.87E+00	2.33E+00	1.11E+00	5.26E-01	2.51E-01	1.19E-01
RB 88	5.49E+00	1.71E+01	1.46E+01	1.15E+01	8.97E+00	5.46E+00	2.61E+00	1.24E+00	5.91E-01	2.81E-01	1.34E-01
RB 89	2.98E+01	2.80E+01	1.88E+00	1.27E-01	8.48E-03	3.34E-05	1.16E-08	3.51E-12	1.07E-15	3.24E-19	9.82E-23
SR 89	2.28E-06	8.02E-02	8.55E-02	8.55E-02	8.55E-02	8.55E-02	8.55E-02	8.52E-02	8.52E-02	8.48E-02	8.48E-02
SR 90	4.46E-06	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04
SR 91	5.64E-01	1.05E+01	9.79E+00	9.12E+00	8.48E+00	7.34E+00	5.92E+00	4.79E+00	3.87E+00	3.10E+00	2.50E+00
Y 91M	3.80E-05	3.62E+00	4.93E+00	5.29E+00	5.22E+00	4.68E+00	3.83E+00	3.08E+00	2.49E+00	2.00E+00	1.62E+00
Y 91	1.55E-08	3.22E-03	7.41E-03	1.18E-02	1.62E-02	2.42E-02	3.44E-02	4.26E-02	4.93E-02	5.46E-02	5.89E-02
SR 92	3.68E+00	1.64E+01	1.27E+01	9.87E+00	7.64E+00	4.57E+00	2.12E+00	9.87E-01	4.57E-01	2.12E-01	9.89E-02
Y 92	1.70E-01	3.46E+00	5.43E+00	6.46E+00	6.85E+00	6.53E+00	5.00E+00	3.41E+00	2.19E+00	1.35E+00	8.14E-01
SR 93	1.72E+02	2.96E+00	1.64E-02	9.04E-05	4.98E-07	1.52E-11	2.57E-18	4.34E-25	7.32E-32	1.23E-38	2.08E-45
Y 93	2.10E-01	6.79E+00	6.38E+00	5.96E+00	5.57E+00	4.86E+00	3.96E+00	3.24E+00	2.63E+00	2.16E+00	1.75E+00
Y 94	2.58E+01	3.53E+01	4.54E+00	5.85E-01	7.55E-02	1.25E-03	2.69E-06	5.77E-09	1.23E-11	2.69E-14	1.49E-15
Y 95	1.20E+02	1.13E+01	2.48E-01	5.48E-03	1.21E-04	5.85E-08	6.26E-13	6.70E-18	7.15E-23	7.64E-28	8.17E-33
ZR 95	4.49E-04	5.87E-02	5.99E-02	5.99E-02	5.99E-02	5.99E-02	5.99E-02	5.97E-02	5.97E-02	5.95E-02	5.95E-02
NB 95	5.00E-11	3.62E-05	8.45E-05	1.33E-04	1.81E-04	2.78E-04	4.22E-04	5.67E-04	7.09E-04	8.53E-04	9.95E-04
ZR 97	1.21E+00	5.29E+00	5.05E+00	4.67E+00	4.66E+00	4.31E+00	3.80E+00	3.36E+00	2.99E+00	2.63E+00	2.34E+00
NB 97M	6.25E-03	5.08E+00	4.87E+00	4.68E+00	4.49E+00	4.14E+00	3.66E+00	3.24E+00	2.86E+00	2.53E+00	2.24E+00
NB 97	6.08E-01	2.65E+00	3.74E+00	4.26E+00	4.47E+00	4.45E+00	4.05E+00	3.62E+00	3.20E+00	2.82E+00	2.51E+00
NB 98	7.30E+00	3.23E+00	1.43E+00	6.32E-01	2.80E-01	5.48E-02	4.74E-03	4.09E-04	3.57E-05	3.09E-06	2.66E-07
MO 99	4.16E-03	1.72E+00	1.70E+00	1.68E+00	1.66E+00	1.63E+00	1.58E+00	1.53E+00	1.49E+00	1.44E+00	1.40E+00
TC 99M	3.87E-08	1.64E-01	3.07E-01	4.35E-01	5.46E-01	7.29E-01	9.23E-01	1.05E+00	1.13E+00	1.17E+00	1.19E+00
MO 101	1.79E+02	8.09E+01	4.69E+00	2.72E-01	1.58E-02	5.29E-05	1.03E-08	2.00E-12	3.89E-16	7.56E-20	1.47E-23
TC 101	7.56E+00	2.27E+02	2.48E+01	2.03E+00	1.48E-01	6.68E-04	1.67E-07	3.74E-11	7.94E-15	1.63E-18	3.30E-22
MO 102	1.71E+03	3.90E+01	8.88E-01	2.03E-02	4.63E-04	2.40E-07	2.86E-12	3.39E-17	4.02E-22	4.77E-27	5.66E-32
TC 102M	1.10E+00	3.30E+01	7.56E-01	1.73E-02	3.94E-04	2.04E-07	2.42E-12	2.87E-17	3.40E-22	4.03E-27	4.79E-32
TC 102	5.15E+03	1.96E+01	4.48E-01	1.02E-02	2.33E-04	1.21E-07	1.44E-12	1.71E-17	2.03E-22	2.40E-27	2.85E-32
RU 103	1.45E-04	3.36E-01	3.36E-01	3.36E-01	3.36E-01	3.35E-01	3.34E-01	3.34E-01	3.33E-01	3.32E-01	3.31E-01
RH 103M	9.67E-09	1.74E-01	2.57E-01	2.98E-01	3.18E-01	3.31E-01	3.34E-01	3.34E-01	3.33E-01	3.32E-01	3.32E-01
TC 104	1.42E+02	1.02E+02	1.02E+01	1.01E+00	1.00E-01	9.86E-04	9.63E-07	9.41E-10	9.19E-13	8.98E-16	8.77E-19
RU 105	1.40E+00	4.84E+01	4.13E+01	3.54E+01	3.03E+01	2.22E+01	1.39E+01	8.68E+00	5.43E+00	3.40E+00	2.13E+00
RH 105M	9.20E-03	4.85E+01	4.15E+01	3.55E+01	3.03E+01	2.23E+01	1.39E+01	8.71E+00	5.45E+00	3.41E+00	2.13E+00
RH 105	1.51E-08	9.84E-01	1.83E+00	2.52E+00	3.10E+00	3.97E+00	4.75E+00	5.10E+00	5.21E+00	5.16E+00	5.02E+00
RU 106	1.33E-03	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02
RH 106	1.44E-05	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02
RH 107	4.39E-01	5.96E+01	9.04E+00	1.36E+00	2.05E-01	4.68E-03	1.61E-05	5.56E-08	2.91E-10	6.55E-14	6.51E-17
PD 107M	9.12E-04	1.21E+01	1.83E+00	2.77E-01	4.18E-02	9.53E-04	3.28E-06	1.13E-08	3.89E-11	1.34E-13	4.58E-16

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	2.50E-02	2.07E+00	1.97E+00	1.87E+00	1.77E+00	1.60E+00	1.38E+00	1.18E+00	1.01E+00	8.66E-01	7.44E-01	
AG109M	1.44E-04	2.07E+00	1.97E+00	1.87E+00	1.77E+00	1.60E+00	1.38E+00	1.18E+00	1.01E+00	8.66E-01	7.44E-01	
PD111M	2.93E+00	2.58E+00	2.28E+00	2.01E+00	1.77E+00	1.38E+00	9.44E-01	6.47E-01	4.43E-01	3.03E-01	2.08E-01	
PD111	1.04E+00	1.88E+00	1.81E+00	1.61E+00	1.42E+00	1.11E+00	7.59E-01	5.20E-01	3.56E-01	2.44E-01	1.68E-01	
AG111M	8.30E-03	2.54E+00	2.39E+00	2.13E+00	1.88E+00	1.46E+00	9.95E-01	6.82E-01	4.67E-01	3.21E-01	2.19E-01	
AG111	2.96E-09	8.76E-03	1.84E-02	2.70E-02	3.47E-02	4.73E-02	6.08E-02	6.96E-02	7.33E-02	7.90E-02	8.12E-02	
PD112	5.25E-01	5.09E-01	4.91E-01	4.75E-01	4.61E-01	4.30E-01	3.90E-01	3.54E-01	3.20E-01	2.90E-01	2.62E-01	
AG112	1.58E-05	1.01E-01	1.78E-01	2.38E-01	2.83E-01	3.39E-01	3.73E-01	3.94E-01	3.54E-01	3.30E-01	3.04E-01	
AG113	3.90E-03	8.34E-01	7.32E-01	6.42E-01	5.63E-01	4.33E-01	2.93E-01	1.98E-01	1.34E-01	9.02E-02	6.10E-02	
AG115	1.10E+00	1.18E+00	1.47E-01	1.83E-01	2.29E-03	2.93E-05	7.00E-08	1.37E-10	2.65E-13	6.3E-16	2.44E-16	
CD115M	8.98E-09	2.39E-04	2.69E-04	2.72E-04	2.72E-04	2.72E-04	2.71E-04	2.71E-04	2.70E-04	2.70E-04	2.70E-04	
CD115	3.47E-06	6.54E-02	7.04E-02	7.02E-02	6.93E-02	6.76E-02	6.51E-02	6.25E-02	5.99E-02	5.79E-02	5.57E-02	
IN115M	4.33E-11	7.22E-03	1.61E-02	2.38E-02	3.04E-02	4.05E-02	5.00E-02	5.95E-02	6.82E-02	7.62E-02	8.35E-02	
CD117	7.60E-02	1.27E+00	9.53E-01	7.12E-01	5.34E-01	3.99E-01	2.99E-01	2.29E-01	1.74E-01	1.35E-01	1.04E-01	
IN117M	3.65E-06	4.40E-01	6.37E-01	6.91E-01	6.68E-01	5.27E-01	3.01E-01	1.54E-01	7.40E-02	3.43E-02	1.55E-02	
IN117	1.47E-10	8.03E-02	1.94E-01	2.70E-01	3.01E-01	2.77E-01	1.76E-01	9.44E-02	4.70E-02	2.21E-02	1.02E-02	
CD118	4.94E+00	2.12E+00	9.09E-01	3.87E-01	1.66E-01	3.03E-02	2.38E-03	1.86E-04	1.46E-05	1.15E-06	9.00E-08	
IN118	3.27E-01	2.12E+00	9.09E-01	3.88E-01	1.66E-01	3.04E-02	2.38E-03	1.87E-04	1.46E-05	1.15E-06	9.00E-08	
CD119	1.24E+01	1.93E-01	3.01E-03	4.71E-05	7.37E-07	1.80E-10	6.67E-16	2.63E-21	9.99E-27	3.82E-32	1.46E-37	
IN119M	1.87E-02	2.09E+00	2.27E-01	2.29E-02	2.28E-03	2.25E-05	2.19E-08	2.14E-11	2.09E-14	2.04E-17	2.00E-20	
IN119	9.21E-01	1.10E-01	1.28E-02	1.29E-03	1.29E-04	1.27E-06	1.24E-09	1.21E-12	1.18E-15	1.16E-18	1.13E-21	
SN121	1.57E-03	1.61E-01	1.57E-01	1.53E-01	1.49E-01	1.42E-01	1.31E-01	1.22E-01	1.12E-01	1.04E-01	9.67E-02	
SN123M	9.40E-01	1.76E+00	6.23E-01	2.20E-01	7.79E-02	9.72E-03	4.30E-04	1.90E-05	8.43E-07	3.72E-08	1.64E-09	
SN123	8.83E-06	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	9.24E-04	
SN125	2.56E-02	2.55E-02	2.55E-02	2.54E-02	2.53E-02	2.51E-02	2.49E-02	2.47E-02	2.45E-02	2.42E-02	2.40E-02	
SB125	1.54E-04	1.54E-04	1.55E-04	1.56E-04	1.56E-04	1.58E-04	1.60E-04	1.62E-04	1.64E-04	1.67E-04	1.69E-04	
SB126	4.58E-03	4.57E-03	4.56E-03	4.55E-03	4.54E-03	4.52E-03	4.49E-03	4.46E-03	4.42E-03	4.39E-03	4.37E-03	
SN127	4.64E+00	3.33E+00	2.40E+00	1.73E+00	1.24E+00	6.40E-01	2.38E-01	8.85E-02	3.28E-02	1.22E-02	4.53E-03	
SB127	5.42E-02	1.87E-01	2.07E-01	2.20E-01	2.30E-01	2.40E-01	2.43E-01	2.41E-01	2.37E-01	2.32E-01	2.28E-01	
TE127	3.06E-02	3.81E-02	4.63E-02	5.49E-02	6.34E-02	7.96E-02	1.02E-01	1.19E-01	1.32E-01	1.43E-01	1.50E-01	
SN128	3.16E+01	1.56E+01	7.72E+00	3.81E+00	1.89E+00	4.60E-01	5.56E-02	6.71E-03	8.09E-04	9.81E-05	1.18E-05	
SB128M	1.61E-02	1.78E+01	9.22E+00	4.55E+00	2.25E+00	5.50E-01	6.62E-02	8.00E-03	9.64E-04	1.17E-04	1.41E-05	
SN128	1.33E+00	1.28E+00	1.21E+00	1.13E+00	1.06E+00	9.05E-01	7.23E-01	5.73E-01	4.55E-01	3.61E-01	2.87E-01	
SN129M	1.88E+01	9.35E+00	4.69E+00	2.34E+00	1.17E+00	2.93E-01	3.67E-02	4.59E-03	5.73E-04	7.16E-05	8.95E-06	
SN129	1.25E+02	1.23E+00	1.21E-02	1.20E-04	1.17E-06	1.14E-10	1.09E-16	1.04E-22	9.90E-29	9.43E-35	9.03E-41	
SB129	7.04E+00	1.18E+01	1.11E+01	9.90E+00	8.71E+00	6.47E+00	4.03E+00	2.49E+00	1.54E+00	9.50E-01	5.85E-01	
TE129M	1.33E-07	1.47E-03	3.03E-03	4.46E-03	5.73E-03	7.76E-03	9.82E-03	1.11E-02	1.19E-02	1.24E-02	1.27E-02	
TE129	5.07E+00	6.97E+00	8.16E+00	8.47E+00	8.16E+00	6.76E+00	4.50E+00	2.84E+00	1.77E+00	1.09E+00	6.78E-01	
SB130M	7.30E-01	1.38E+00	3.62E-03	9.51E-06	2.50E-08	1.73E-13	3.15E-21	5.72E-29	1.04E-36	1.89E-44	3.43E-52	
SB130	1.25E+02	3.79E+01	1.08E+01	3.05E+00	8.64E-01	6.95E-02	1.58E-03	3.61E-05	8.24E-07	1.88E-08	4.29E-10	

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	3.49E-02	3.30E-02	3.12E-02	2.95E-02	2.79E-02	2.50E-02	2.11E-02	1.78E-02	1.51E-02	1.28E-02	1.08E-02
SB131	2.72E+02	7.10E+01	1.16E+01	1.91E+00	3.13E-01	8.42E-03	3.71E-05	1.64E-07	7.21E-10	3.18E-12	1.59E-14
TE131M	1.31E-04	6.84E-01	7.81E-01	7.81E-01	7.67E-01	7.33E-01	6.84E-01	6.38E-01	5.95E-01	5.55E-01	5.18E-01
TE131	1.20E+02	1.31E+02	4.26E+01	1.11E+01	2.69E+00	2.53E+00	1.26E-01	1.16E-01	1.08E-01	1.01E-01	9.44E-02
I131	1.75E-02	6.06E-01	8.92E-01	9.79E-01	9.96E-01	1.00E+00	1.00E+00	9.96E-01	9.96E-01	9.88E-01	9.88E-01
TE132	1.19E+00	2.90E+00	2.87E+00	2.85E+00	2.82E+00	2.77E+00	2.69E+00	2.62E+00	2.56E+00	2.49E+00	2.42E+00
I132	2.93E+00	2.92E+00	2.91E+00	2.90E+00	2.88E+00	2.84E+00	2.77E+00	2.70E+00	2.63E+00	2.56E+00	2.50E+00
TE133M	1.40E-01	4.84E+01	2.11E+01	9.18E+00	3.99E+00	7.58E-01	6.24E-02	5.15E-03	4.24E-04	3.50E-05	2.89E-06
TE133	7.85E+02	4.45E+01	4.95E+00	1.64E+00	6.92E-01	1.31E-01	1.08E-02	8.92E-04	7.39E-05	6.07E-06	5.01E-07
I133	1.22E+00	1.31E+01	1.42E+01	1.42E+01	1.39E+01	1.32E+01	1.20E+01	1.08E+01	9.78E+00	8.92E+00	8.05E+00
XE133M	5.18E-08	2.95E-03	7.12E-03	1.14E-02	1.55E-02	2.33E-02	3.37E-02	4.28E-02	5.04E-02	5.70E-02	6.25E-02
XE133	9.05E-07	5.15E-02	1.25E-01	2.00E-01	2.74E-01	4.15E-01	6.09E-01	7.78E-01	9.31E-01	1.06E+00	1.18E+00
TE134	2.57E+02	1.19E+02	4.44E+01	1.65E+01	6.12E+00	8.48E-01	4.34E-02	2.22E-03	1.14E-04	5.84E-06	3.00E-07
I134	1.18E+02	1.38E+02	1.10E+02	6.47E+01	3.47E+01	8.82E+00	9.69E-01	9.90E-02	9.69E-03	9.29E-04	8.82E-05
I135	2.05E+01	3.62E+01	3.27E+01	2.94E+01	2.66E+01	2.16E+01	1.58E+01	1.16E+01	8.50E+00	6.26E+00	4.57E+00
XE135M	2.27E-03	1.05E+01	1.02E+01	9.21E+00	8.27E+00	6.73E+00	4.94E+00	3.62E+00	2.66E+00	1.95E+00	1.43E+00
XE135	2.37E+00	4.68E+00	6.85E+00	8.62E+00	1.00E+01	1.20E+01	1.33E+01	1.34E+01	1.28E+01	1.16E+01	1.04E+01
CS136	2.32E-02	2.31E-02	2.31E-02	2.30E-02	2.30E-02	2.29E-02	2.27E-02	2.26E-02	2.24E-02	2.23E-02	2.21E-02
CS137	1.07E-04	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03
BA137M	2.25E-07	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03
XE138	6.47E+02	5.57E+01	4.84E+00	4.19E-01	3.63E-02	2.72E-04	1.77E-07	1.15E-10	7.47E-14	4.86E-17	3.16E-20
CS138	9.63E+01	1.62E+02	5.62E+01	1.65E+01	4.63E+00	3.52E-01	7.32E-03	1.52E-04	3.16E-06	6.57E-08	1.36E-09
CS139	8.17E+02	2.61E+01	3.27E-01	4.11E-03	5.15E-05	8.09E-09	1.61E-14	3.18E-20	6.30E-26	1.25E-31	2.47E-37
BA139	1.51E+01	1.68E+02	1.04E+02	6.30E+01	3.81E+01	1.40E+01	3.10E+00	6.89E-01	1.53E-01	3.39E-02	7.54E-03
BA140	1.03E-01	6.43E-01	6.43E-01	6.39E-01	6.39E-01	6.34E-01	6.34E-01	6.29E-01	6.24E-01	6.19E-01	6.14E-01
LA140	2.45E-07	1.10E-02	2.18E-02	3.24E-02	4.27E-02	6.29E-02	9.18E-02	1.19E-01	1.44E-01	1.68E-01	1.91E-01
BA141	1.47E+02	4.43E+01	4.40E+00	4.36E-01	4.33E-02	4.30E-04	4.19E-07	4.09E-10	3.98E-13	3.91E-16	3.81E-19
LA141	1.35E+00	2.87E+01	2.68E+01	2.27E+01	1.90E+01	1.33E+01	7.82E+00	4.57E+00	2.69E+00	1.58E+00	9.25E-01
CE141	1.68E-07	1.86E-02	4.36E-02	6.56E-02	8.42E-02	1.13E-01	1.40E-01	1.56E-01	1.65E-01	1.70E-01	1.73E-01
BA142	2.69E+02	1.07E+01	2.44E-01	5.57E-03	1.27E-04	6.60E-08	7.83E-13	9.29E-18	1.10E-22	1.31E-27	1.55E-32
LA142	6.19E+00	4.29E+01	2.83E+01	1.80E+01	1.15E+01	4.63E+00	1.20E+00	3.08E-01	7.94E-02	2.04E-02	5.27E-03
LA143	8.99E+01	1.75E+01	8.99E-01	4.62E-02	2.37E-03	6.22E-06	8.38E-10	1.13E-13	1.52E-17	2.06E-21	2.77E-25
CE143	3.59E-02	2.29E+00	2.37E+00	2.31E+00	2.27E+00	2.19E+00	2.05E+00	1.92E+00	1.81E+00	1.69E+00	1.59E+00
FR143	1.05E-08	3.51E-03	8.47E-03	1.34E-02	1.82E-02	2.75E-02	4.06E-02	5.30E-02	6.43E-02	7.50E-02	8.49E-02
CE144	1.34E-03	9.59E-03	9.59E-03	9.59E-03	9.59E-03	9.59E-03	9.57E-03	9.57E-03	9.57E-03	9.57E-03	9.57E-03
FR144	3.67E-07	8.73E-03	9.51E-03	9.57E-03	9.59E-03	9.59E-03	9.59E-03	9.59E-03	9.57E-03	9.57E-03	9.57E-03
PR145	6.03E-02	8.87E+00	7.89E+00	7.02E+00	6.26E+00	4.96E+00	3.50E+00	2.47E+00	1.75E+00	1.23E+00	8.73E-01
CE146	1.98E+02	1.02E+01	5.21E-01	2.66E-02	1.37E-03	3.61E-06	4.86E-10	6.56E-14	8.83E-18	1.19E-21	1.61E-25
PR146	4.10E+00	3.57E+01	8.08E+00	1.52E+00	2.73E-01	8.59E-03	4.75E-05	2.62E-07	1.45E-09	8.01E-12	4.38E-14
PR147	2.26E+01	6.54E+00	2.04E-01	6.38E-03	2.00E-04	1.95E-07	5.95E-12	1.82E-16	5.54E-21	1.69E-25	5.16E-30

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

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DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	8.07E-06	1.52E-01	1.56E-01	1.56E-01	1.56E-01	1.55E-01	1.54E-01	1.52E-01	1.51E-01	1.50E-01	1.49E-01
ND149	1.44E+01	9.80E+00	6.67E+00	4.54E+00	3.08E+00	1.43E+00	4.49E-01	1.42E-01	4.46E-02	1.40E-02	4.44E-03
PM149	2.01E-03	1.57E-01	2.60E-01	3.29E-01	3.73E-01	4.19E-01	4.35E-01	4.27E-01	4.16E-01	4.00E-01	3.86E-01
PM150	1.81E-01	1.40E-01	1.08E-01	8.36E-02	6.46E-02	3.88E-02	1.80E-02	8.30E-03	3.85E-03	1.78E-03	8.25E-04
ND151	7.36E+01	2.30E+00	7.19E-02	2.25E-03	7.03E-05	6.86E-08	2.10E-12	6.40E-17	1.95E-21	5.94E-26	1.82E-30
PM151	4.66E-02	5.45E-01	5.48E-01	5.35E-01	5.22E-01	4.96E-01	4.60E-01	4.27E-01	3.97E-01	3.68E-01	3.42E-01
PM152	1.24E+02	1.22E-01	1.19E-04	1.16E-07	1.13E-10	1.08E-16	1.01E-25	9.38E-35	8.74E-44	8.16E-53	7.59E-62
SM153	1.76E-01	1.73E-01	1.71E-01	1.68E-01	1.66E-01	1.61E-01	1.54E-01	1.47E-01	1.41E-01	1.35E-01	1.29E-01
SM155	1.28E+01	2.09E+00	3.43E-01	5.62E-02	9.21E-03	2.48E-04	1.09E-06	4.81E-09	2.12E-11	9.46E-14	2.32E-16
EU155	9.38E-06	2.67E-04	3.10E-04	3.16E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04
SM156	2.66E-01	2.47E-01	2.29E-01	2.13E-01	1.98E-01	1.71E-01	1.37E-01	1.10E-01	8.79E-02	7.04E-02	5.63E-02
EU156	7.77E-04	1.27E-03	1.72E-03	2.14E-03	2.54E-03	3.23E-03	4.11E-03	4.76E-03	5.33E-03	5.75E-03	6.05E-03
EU157	4.23E-02	1.40E-01	1.34E-01	1.28E-01	1.22E-01	1.12E-01	9.74E-02	8.50E-02	7.41E-02	6.45E-02	5.62E-02
EU158	1.91E+00	7.73E-01	3.13E-01	1.27E-01	5.13E-02	8.39E-03	5.59E-04	3.71E-05	2.46E-06	1.63E-07	1.09E-08
EU159	2.28E+00	2.26E-01	2.24E-02	2.23E-03	2.21E-04	2.18E-06	2.13E-09	2.08E-12	2.03E-15	1.98E-18	1.94E-21
GD159	9.76E-03	4.28E-02	4.45E-02	4.31E-02	4.15E-02	3.84E-02	3.43E-02	3.05E-02	2.72E-02	2.42E-02	2.16E-02
TB161	1.36E-04	9.78E-04	9.71E-04	9.68E-04	9.65E-04	9.55E-04	9.46E-04	9.33E-04	9.20E-04	9.11E-04	8.98E-04
TOTAL	1.23E+04	2.34E+03	9.03E+02	5.42E+02	3.90E+02	2.54E+02	1.71E+02	1.29E+02	1.03E+02	8.42E+01	7.09E+01

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	6.91E-06	6.83E-06	6.74E-06	6.48E-06	6.08E-06	5.33E-06	4.68E-06	3.60E-06	1.89E-06	5.12E-07	1.39E-07
NA 24	2.08E-01	6.87E-02	2.27E-02	8.13E-04	3.18E-06	4.86E-11	7.42E-16	1.73E-25	0.	0.	0.
MN 54	6.51E-05	6.45E-05	6.45E-05	6.34E-05	6.28E-05	6.17E-05	6.05E-05	5.76E-05	5.15E-05	4.09E-05	3.26E-05
FE 55	1.05E-04	1.05E-04	1.05E-04	1.04E-04	1.04E-04	1.03E-04	1.02E-04	1.01E-04	9.72E-05	9.06E-05	8.41E-05
FE 59	1.34E-05	1.32E-05	1.30E-05	1.24E-05	1.15E-05	9.86E-06	8.45E-06	6.21E-06	2.88E-06	6.15E-07	1.32E-07
CO 57	3.08E-05	3.08E-05	3.05E-05	3.05E-05	3.01E-05	2.92E-05	2.85E-05	2.71E-05	2.39E-05	1.85E-05	1.43E-05
CO 58	5.66E-04	5.61E-04	5.55E-04	5.39E-04	5.14E-04	4.66E-04	4.23E-04	3.48E-04	2.14E-04	8.11E-05	3.06E-05
CO 60	7.97E-06	7.97E-06	7.97E-06	7.97E-06	7.92E-06	7.92E-06	7.87E-06	7.83E-06	7.64E-06	7.40E-06	7.12E-06
CU 64	2.91E-01	7.94E-02	2.16E-02	4.40E-04	6.60E-07	1.50E-12	3.40E-18	1.75E-29	0.	0.	0.
CU 67	4.29E-05	3.27E-05	2.50E-05	1.11E-05	2.89E-06	1.95E-07	1.32E-08	5.98E-11	8.36E-17	0.	0.
W181	1.59E-05	1.58E-05	1.57E-05	1.55E-05	1.50E-05	1.42E-05	1.34E-05	1.19E-05	8.96E-06	5.04E-06	2.84E-06
W185	2.27E-05	2.25E-05	2.21E-05	2.17E-05	2.07E-05	1.89E-05	1.72E-05	1.43E-05	9.02E-06	3.59E-06	1.42E-06
W187	1.74E-03	6.66E-04	4.29E-04	5.35E-05	1.64E-06	1.57E-09	1.49E-12	1.34E-20	0.	0.	0.
W188	2.80E-07	2.76E-07	2.74E-07	2.66E-07	2.53E-07	2.29E-07	2.07E-07	1.70E-07	1.03E-07	3.79E-08	1.39E-08
AU198	4.14E-03	3.19E-03	2.47E-03	1.14E-03	3.15E-04	2.41E-05	1.84E-06	1.08E-08	2.82E-14	0.	0.
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PB203	1.50E-04	1.09E-04	4.16E-05	8.44E-06	3.47E-07	1.42E-08	2.39E-11	2.79E-18	0.	0.	0.
U237	2.29E-02	2.07E-02	1.87E-02	1.37E-02	8.21E-03	2.94E-03	1.05E-03	1.35E-04	7.96E-07	8.56E-11	5.77E-11
* U240	4.16E-02	1.28E-02	3.93E-03	1.14E-04	3.13E-07	2.35E-12	1.77E-17	9.98E-28	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	3.18E-04	4.86E-01	3.62E-01	1.49E-01	3.42E-02	1.79E-03	9.35E-05	2.57E-07	1.01E-13	2.41E-23	2.41E-23
* NP240M	6.58E-05	1.29E-02	3.96E-03	1.15E-04	3.15E-07	2.37E-12	1.78E-17	1.01E-27	0.	0.	0.
AM241	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.33E-06
CM242	1.36E-05	1.36E-05	1.35E-05	1.34E-05	1.31E-05	1.25E-05	1.20E-05	1.10E-05	8.98E-06	5.84E-06	3.82E-06
GE 77	7.85E-03	4.94E-03	1.13E-03	1.37E-05	8.69E-09	3.52E-15	1.42E-21	2.32E-34	0.	0.	0.
AS 77	8.11E-05	1.20E-02	8.66E-03	2.50E-03	2.93E-04	3.98E-06	5.40E-08	9.97E-12	4.62E-21	9.91E-40	2.13E-58
SE 77M	3.20E-09	3.60E-05	2.59E-05	7.53E-06	8.78E-07	1.19E-08	1.62E-10	2.99E-14	1.39E-23	2.96E-42	6.39E-61
AS 78	2.35E-02	2.09E-04	6.12E-09	5.17E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	4.66E-04	2.91E-04	1.82E-04	4.41E-05	4.18E-06	3.76E-08	3.37E-10	2.72E-14	1.59E-24	5.46E-45	1.86E-65
BR 83	3.25E-01	8.57E-03	8.62E-06	8.75E-15	8.94E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.68E-05	3.75E-02	4.26E-05	3.83E-14	3.93E-29	0.	0.	0.	0.	0.	0.
KR 85M	2.61E-03	1.49E-01	3.40E-03	4.03E-08	2.49E-16	9.46E-33	3.56E-49	0.	0.	0.	0.
KR 85	2.70E-06	7.10E-05	7.23E-05	7.23E-05	7.23E-05	7.23E-05	7.23E-05	7.20E-05	7.13E-05	6.99E-05	6.89E-05
KR 87	4.25E+01	8.40E-05	1.66E-10	1.29E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.16E+01	5.68E-02	1.49E-04	2.71E-12	3.41E-25	0.	0.	0.	0.	0.	0.
RB 88	5.49E+00	6.33E-02	1.67E-04	3.03E-12	3.80E-25	0.	0.	0.	0.	0.	0.
SR 89	2.28E-06	6.85E-02	6.75E-02	6.48E-02	6.08E-02	5.31E-02	4.64E-02	3.57E-02	1.83E-02	4.81E-03	1.27E-03
SR Y 90	4.46E-06	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.54E-04	4.54E-04	4.54E-04	4.50E-04
SR 90	6.61E-12	1.05E-04	1.86E-04	3.34E-04	4.26E-04	4.54E-04	4.58E-04	4.58E-04	4.54E-04	4.54E-04	4.50E-04
SR 91	5.64E-01	2.02E+00	3.62E-01	2.08E-03	3.80E-07	1.29E-14	4.36E-22	4.97E-37	0.	0.	0.

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	3.80E-05	1.31E+00	2.33E-01	1.34E-03	2.46E-07	8.30E-15	2.81E-22	3.21E-37	0.	0.	0.
Y 91	1.55E-08	6.21E-02	7.34E-02	7.34E-02	6.92E-02	6.14E-02	5.46E-02	4.33E-02	2.39E-02	7.38E-03	2.27E-03
SR 92	3.68E+00	4.59E-02	9.90E-05	9.95E-13	4.66E-26	0.	0.	0.	0.	0.	0.
Y 92	1.70E-01	4.81E-01	5.35E-03	4.11E-09	2.40E-19	8.21E-40	2.81E-60	0.	0.	0.	0.
Y 93	2.10E-01	1.42E+00	2.77E-01	2.08E-03	5.98E-07	4.94E-14	4.08E-21	2.79E-35	0.	0.	0.
ZR 95	4.49E-04	5.61E-02	5.55E-02	5.38E-02	5.10E-02	4.57E-02	4.12E-02	3.33E-02	1.95E-02	6.72E-03	2.30E-03
NB 95M	9.55E-12	1.90E-04	3.47E-04	6.62E-04	8.92E-04	9.42E-04	8.69E-04	7.05E-04	4.14E-04	1.42E-04	4.90E-05
NB 95	5.00E-11	1.09E-03	2.15E-03	5.14E-03	9.55E-03	1.65E-02	2.13E-02	2.64E-02	2.54E-02	1.22E-02	4.69E-03
ZR 97	1.21E+00	2.07E+00	7.77E-01	4.12E-02	3.09E-04	1.74E-08	9.78E-13	3.09E-21	1.75E-42	0.	0.
NB 97M	6.25E-03	1.99E+00	7.46E-01	3.97E-02	2.97E-04	1.67E-08	9.41E-13	2.97E-21	1.68E-42	0.	0.
NB 97	6.08E-01	2.08E+00	7.80E-01	4.14E-02	3.11E-04	1.87E-08	1.05E-12	3.34E-21	1.88E-42	0.	0.
MØ 99	4.16E-03	1.35E+00	1.06E+00	5.01E-01	1.45E-01	1.21E-02	1.01E-03	7.05E-06	2.86E-11	4.72E-22	7.77E-33
TC 99M	3.87E-08	1.19E+00	1.00E+00	4.80E-01	1.38E-01	1.16E-02	9.65E-04	6.73E-06	2.73E-11	4.51E-22	7.42E-33
RU103	1.45E-04	3.31E-01	3.24E-01	3.08E-01	2.83E-01	2.37E-01	1.99E-01	1.40E-01	5.84E-02	1.01E-02	1.77E-03
RH103M	9.67E-09	3.31E-01	3.25E-01	3.09E-01	2.83E-01	2.37E-01	1.99E-01	1.40E-01	5.85E-02	1.01E-02	1.77E-03
RU105	1.40E+00	1.34E+00	3.14E-02	4.13E-07	3.02E-15	1.61E-31	8.65E-48	0.	0.	0.	0.
RH105M	9.20E-03	1.34E+00	3.15E-02	4.15E-07	3.03E-15	1.62E-31	8.67E-48	0.	0.	0.	0.
RH105	1.51E-08	4.83E+00	3.15E+00	7.86E-01	7.75E-02	7.53E-04	7.32E-06	6.91E-10	5.99E-20	4.50E-40	3.38E-60
RU106	1.33E-03	2.51E-02	2.50E-02	2.49E-02	2.47E-02	2.43E-02	2.37E-02	2.28E-02	2.08E-02	1.72E-02	1.43E-02
RH106	1.44E-05	2.51E-02	2.50E-02	2.49E-02	2.47E-02	2.43E-02	2.37E-02	2.28E-02	2.08E-02	1.72E-02	1.43E-02
PD109	2.50E-02	6.37E-01	1.85E-01	4.60E-03	9.69E-06	4.32E-11	1.92E-16	3.81E-27	0.	0.	0.
AG109M	1.44E-04	6.37E-01	1.86E-01	4.61E-03	9.74E-06	4.33E-11	1.92E-16	3.81E-27	0.	0.	0.
PD111M	2.93E+00	1.42E-01	6.92E-03	7.94E-07	2.15E-13	1.57E-26	1.15E-39	0.	0.	0.	0.
PD111	1.04E+00	1.15E-01	5.56E-03	6.38E-07	1.73E-13	1.26E-26	9.23E-40	0.	0.	0.	0.
AG111M	8.30E-03	1.50E-01	7.30E-03	8.40E-07	2.27E-13	1.66E-26	1.22E-39	0.	0.	0.	0.
AG111	2.96E-09	8.16E-02	7.84E-02	5.97E-02	3.76E-02	1.49E-02	5.91E-03	9.32E-04	9.16E-06	8.88E-10	8.61E-14
PD112	5.25E-01	2.38E-01	1.08E-01	1.00E-02	1.90E-04	6.91E-08	2.51E-11	3.30E-18	2.08E-35	0.	0.
AG112	1.58E-05	2.77E-01	1.27E-01	1.18E-02	2.26E-04	8.16E-08	2.96E-11	3.90E-18	2.45E-35	0.	0.
AG113	3.90E-03	4.12E-02	1.78E-03	1.45E-07	2.22E-14	5.19E-28	1.21E-41	0.	0.	0.	0.
CD115M	8.98E-09	2.60E-04	2.56E-04	2.43E-04	2.25E-04	1.91E-04	1.63E-04	1.18E-04	5.27E-05	1.05E-05	2.09E-06
CD115	3.47E-06	5.23E-02	3.83E-02	1.51E-02	3.18E-03	1.42E-04	6.34E-06	1.26E-08	2.23E-15	7.00E-29	2.19E-42
IN115M	4.33E-11	5.51E-02	4.18E-02	1.65E-02	3.47E-03	1.55E-04	6.92E-06	1.38E-08	2.44E-15	7.64E-29	2.39E-42
CD117	7.60E-02	1.66E-03	1.61E-06	1.51E-15	1.34E-30	0.	0.	0.	0.	0.	0.
IN117M	3.65E-06	6.88E-03	7.96E-06	7.68E-15	6.82E-30	0.	0.	0.	0.	0.	0.
IN117	1.47E-10	4.53E-03	5.37E-06	5.20E-15	4.61E-30	0.	0.	0.	0.	0.	0.
SN121	1.57E-03	8.92E-02	4.82E-02	7.59E-03	3.48E-04	7.35E-07	1.55E-09	6.90E-15	2.88E-28	0.	0.
SN123	8.83E-06	9.24E-04	9.16E-04	8.99E-04	8.75E-04	8.27E-04	7.84E-04	7.02E-04	5.32E-04	3.05E-04	1.76E-04
SN125	2.56E-02	2.38E-02	2.21E-02	1.77E-02	1.22E-02	5.86E-03	2.80E-03	6.41E-04	1.60E-05	1.01E-08	6.33E-12
SB125	1.54E-04	1.71E-04	1.87E-04	2.28E-04	2.80E-04	3.38E-04	3.64E-04	3.80E-04	3.72E-04	3.48E-04	3.24E-04
SB126	4.58E-03	4.34E-03	4.10E-03	3.47E-03	2.63E-03	1.51E-03	8.70E-04	2.86E-04	1.79E-05	8.70E-08	1.75E-08

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	4.64E+00	1.68E-03	6.11E-07	2.92E-17	1.83E-34	0.	0.	0.	0.	0.	0.
SB127	5.42E-02	2.22E-01	1.86E-01	1.09E-01	4.45E-02	7.43E-03	1.24E-03	3.47E-05	4.53E-09	7.74E-17	1.32E-24
TE127M	4.38E-10	3.39E-04	6.21E-04	1.21E-03	1.67E-03	1.84E-03	1.77E-03	1.57E-03	1.15E-03	6.05E-04	3.20E-04
TE127	3.06E-02	1.59E-01	1.56E-01	9.52E-02	4.02E-02	8.26E-03	2.83E-03	1.58E-03	1.13E-03	5.98E-04	3.16E-04
SB128	1.33E+00	2.27E-01	3.59E-02	1.40E-04	1.36E-08	1.27E-16	1.20E-24	1.06E-40	0.	0.	0.
SB129	7.04E+00	3.60E-01	7.52E-03	6.85E-08	2.72E-16	4.30E-33	6.79E-50	0.	0.	0.	0.
TE129M	1.33E+00	1.40E-02	1.40E-02	1.32E-02	1.20E-02	9.74E-03	7.92E-03	5.28E-03	1.90E-03	2.48E-04	3.22E-05
TE129	5.07E+00	4.22E-01	1.76E-02	8.47E-03	7.64E-03	6.23E-03	5.08E-03	3.38E-03	1.22E-03	1.59E-04	2.07E-05
I130	3.49E-02	9.11E-03	2.38E-03	4.26E-05	5.21E-08	7.76E-14	1.16E-19	2.57E-31	0.	0.	0.
TE131M	1.31E-04	4.57E-01	2.62E-01	4.97E-02	3.11E-03	1.21E-05	4.75E-08	7.24E-13	6.58E-25	0.	0.
TE131	1.20E+02	8.34E-02	4.79E-02	9.10E-03	5.67E-04	2.22E-06	8.65E-09	1.33E-13	1.20E-25	0.	0.
I131	1.75E-02	9.44E-01	6.92E-01	7.17E-01	4.72E-01	1.99E-01	8.44E-02	1.51E-02	2.04E-04	3.71E-08	6.76E-12
XE131M	4.75E-11	4.37E-04	8.31E-04	1.73E-03	2.48E-03	2.45E-03	1.82E-03	7.51E-04	5.01E-05	1.50E-07	4.23E-10
TE132	1.19E+00	2.36E+00	1.91E+00	1.00E+00	3.46E-01	4.10E-02	4.86E-03	6.83E-05	1.60E-09	8.74E-19	4.77E-28
I132	2.93E+00	2.43E+00	1.97E+00	1.03E+00	3.57E-01	4.23E-02	5.01E-03	7.04E-05	1.65E-09	8.96E-19	4.91E-28
I133	1.22E+00	6.79E+00	3.06E+00	2.84E-01	5.42E-03	1.96E-06	7.12E-10	9.38E-17	5.89E-34	0.	0.
XE133M	5.18E-08	6.41E-02	7.58E-02	4.45E-02	1.04E-02	4.90E-04	2.28E-05	4.95E-08	1.08E-14	5.18E-28	2.48E-41
XE133	9.05E-07	1.23E+00	1.65E+00	1.48E+00	8.05E-01	2.18E-01	5.85E-02	4.21E-03	5.87E-06	1.14E-11	2.21E-17
I135	2.05E+01	3.35E+00	2.80E-01	1.63E-04	6.61E-10	1.09E-20	1.80E-31	4.88E-53	0.	0.	0.
XE135M	2.27E-03	1.05E+00	8.74E-02	5.08E-05	2.07E-10	3.40E-21	5.60E-32	1.52E-53	0.	0.	0.
XE135	2.37E+00	9.03E+00	2.21E+00	1.26E-02	1.55E-06	2.17E-14	3.05E-22	6.02E-38	0.	0.	0.
CS136	2.32E-02	2.20E-02	2.06E-02	1.78E-02	1.36E-02	7.99E-03	4.70E-03	1.61E-03	1.12E-04	5.40E-07	2.62E-09
CS137	1.07E-04	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.14E-03	1.14E-03	1.13E-03
BA137M	2.25E-07	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.06E-03	1.05E-03
BA139	1.51E+01	1.61E-03	9.51E-09	1.96E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.03E-01	6.09E-01	5.80E-01	4.91E-01	3.75E-01	2.18E-01	1.27E-01	4.30E-02	2.87E-03	1.28E-05	5.65E-08
LA140	2.45E-07	2.12E-01	3.41E-01	4.72E-01	4.19E-01	2.51E-01	1.46E-01	4.96E-02	3.30E-03	1.47E-05	6.53E-08
LA141	1.35E+00	5.38E-01	7.54E-03	2.09E-08	1.14E-17	3.41E-36	1.02E-54	0.	0.	0.	0.
CE141	1.68E-07	1.86E-01	1.84E-01	1.73E-01	1.55E-01	1.26E-01	1.01E-01	6.60E-02	2.27E-02	2.67E-03	3.14E-04
LA142	6.19E+00	1.36E-03	2.62E-08	1.93E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.59E-02	1.48E+00	8.93E-01	1.97E-01	1.58E-02	1.02E-04	6.62E-07	2.77E-11	3.13E-22	0.	0.
PR143	1.05E-08	9.46E-02	1.47E-01	1.90E-01	1.63E-01	9.92E-02	5.99E-02	2.16E-02	1.73E-03	1.10E-05	6.98E-08
CE144	1.34E-03	9.57E-03	9.53E-03	9.47E-03	9.35E-03	9.13E-03	8.91E-03	8.49E-03	7.50E-03	5.88E-03	4.61E-03
PR144	3.67E-07	9.57E-03	9.53E-03	9.47E-03	9.35E-03	9.13E-03	8.91E-03	8.49E-03	7.50E-03	5.88E-03	4.61E-03
PR145	6.03E-02	6.17E-01	3.82E-02	9.05E-06	8.25E-12	6.84E-24	5.67E-36	0.	0.	0.	0.
ND147	8.07E-06	1.36E-01	1.28E-01	1.06E-01	7.74E-02	4.16E-02	2.22E-02	6.38E-03	2.79E-04	5.45E-07	1.06E-09
PM147	2.24E-14	1.02E-04	1.97E-04	4.49E-04	7.76E-04	1.18E-03	1.40E-03	1.56E-03	1.57E-03	1.47E-03	1.36E-03
ND149	1.44E+01	1.39E-03	1.35E-07	1.23E-19	1.05E-39	0.	0.	0.	0.	0.	0.
PM149	2.01E-03	3.70E-01	2.71E-01	1.06E-01	2.21E-02	9.63E-04	4.19E-05	7.97E-08	1.26E-14	3.10E-28	7.73E-42
PM150	1.81E-01	3.82E-04	8.04E-07	7.56E-15	3.16E-28	0.	0.	0.	0.	0.	0.

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	4.66E-02	3.18E-01	1.75E-01	2.95E-02	1.51E-03	3.97E-06	1.05E-08	7.22E-14	9.06E-27	0.	0.	0.
SM153	1.76E-01	1.24E-01	8.68E-02	3.00E-02	5.10E-03	1.48E-04	4.31E-06	3.62E-09	7.46E-17	3.18E-32	1.35E-47	0.
SM156	2.66E-01	4.53E-02	7.73E-03	3.81E-05	5.48E-09	1.13E-16	2.33E-24	9.90E-40	0.	0.	0.	0.
EU155	9.38E-06	3.18E-04	3.17E-04	3.17E-04	3.16E-04	3.15E-04	3.14E-04	3.11E-04	3.05E-04	2.93E-04	2.82E-04	2.82E-04
EU156	7.77E-04	6.32E-03	7.00E-03	6.28E-03	4.99E-03	3.13E-03	1.98E-03	7.84E-04	7.77E-05	7.65E-07	7.54E-09	0.
EU157	4.23E-02	4.89E-02	1.65E-02	6.17E-04	2.59E-06	4.57E-11	8.09E-16	2.52E-25	0.	0.	0.	0.
GD159	9.76E-03	1.92E-02	7.65E-03	4.77E-04	4.70E-06	4.55E-10	4.41E-14	4.14E-22	3.53E-42	0.	0.	0.
TB161	1.36E-04	8.88E-04	8.02E-04	5.93E-04	3.59E-04	1.31E-04	4.81E-05	6.44E-06	4.26E-08	1.84E-12	8.02E-17	0.
TOTAL	2.88E+02	6.00E+01	2.65E+01	9.78E+00	4.66E+00	2.06E+00	1.28E+00	7.13E-01	3.04E-01	1.08E-01	5.83E-02	0.

SMALL BOY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.092E-12

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	6.91E-06	5.97E-08	5.55E-09	5.15E-10	4.15E-13	3.32E-16	2.48E-20	1.59E-26	0.	0.	0.
MN 54	6.51E-05	2.81E-05	1.85E-05	1.22E-05	3.47E-06	9.91E-07	1.87E-07	1.53E-08	3.58E-12	1.30E-17	4.69E-23
FE 59	1.34E-05	4.84E-08	2.90E-09	1.75E-10	3.79E-14	8.19E-18	1.07E-22	5.00E-30	0.	0.	0.
CO 57	3.08E-05	1.21E-05	7.59E-06	4.76E-06	1.17E-06	2.89E-07	4.47E-09	2.71E-09	2.37E-13	1.95E-19	0.
CO 58	5.66E-04	1.63E-05	2.76E-06	4.67E-07	2.28E-09	1.11E-11	9.14E-15	2.17E-19	8.29E-35	0.	0.
CO 60	7.97E-06	6.98E-06	6.51E-06	6.08E-06	5.00E-06	4.11E-06	3.15E-06	2.13E-06	5.70E-07	7.92E-08	1.09E-08
W181	1.59E-05	1.95E-06	6.91E-07	2.41E-07	1.05E-07	4.54E-10	6.91E-12	1.29E-14	1.06E-23	0.	0.
W185	2.27E-05	7.81E-07	1.45E-07	2.68E-08	1.70E-10	1.09E-12	1.28E-15	5.20E-20	0.	0.	0.
W188	2.80E-07	7.27E-09	1.18E-09	1.89E-10	7.99E-13	3.35E-15	2.27E-18	4.01E-23	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.29E-02	5.72E-11	5.57E-11	5.42E-11	5.08E-11	4.71E-11	4.28E-11	3.72E-11	2.31E-11	1.13E-11	5.57E-12
AM241	3.33E-06	3.33E-06	3.33E-06	3.33E-06	3.35E-06	3.36E-06	3.36E-06	3.38E-06	3.39E-06	3.36E-06	3.32E-06
CM242	1.36E-05	2.89E-06	1.33E-06	6.12E-07	5.96E-08	5.81E-09	2.60E-10	2.46E-12	7.07E-17	6.59E-17	6.15E-17
KR 85	2.70E-06	6.71E-05	6.50E-05	6.30E-05	5.74E-05	5.18E-05	4.56E-05	3.76E-05	1.99E-05	7.58E-06	2.90E-06
SR 89	2.28E-06	5.34E-04	4.68E-05	4.11E-06	2.77E-09	1.87E-12	1.10E-16	5.01E-23	3.64E-44	0.	0.
SR 90	4.46E-06	4.46E-04	4.42E-04	4.38E-04	4.22E-04	4.05E-04	3.86E-04	3.58E-04	2.80E-04	1.93E-04	1.34E-04
Y 91	6.61E-12	4.46E-04	4.42E-04	4.38E-04	4.22E-04	4.05E-04	3.86E-04	3.58E-04	2.80E-04	1.93E-04	1.34E-04
Y 91	1.55E-08	1.05E-03	1.22E-04	1.42E-05	2.22E-08	3.49E-11	6.39E-15	1.57E-20	3.17E-39	0.	0.
ZR 95	4.49E-04	1.15E-03	1.65E-04	2.34E-05	6.83E-08	1.99E-10	8.23E-14	6.95E-19	8.51E-36	0.	0.
NB 95M	9.55E-12	2.44E-05	3.49E-06	4.98E-07	1.45E-09	4.22E-12	1.75E-15	1.47E-20	1.81E-37	0.	0.
NB 95	5.00E-11	2.48E-03	3.57E-04	5.08E-05	1.47E-07	4.27E-10	1.78E-13	1.51E-18	1.85E-35	0.	0.
RU103	1.45E-04	5.63E-04	2.31E-05	9.48E-07	6.47E-11	4.43E-15	1.25E-20	5.86E-29	0.	0.	0.
RH103M	9.67E-09	5.64E-04	2.31E-05	9.48E-07	6.48E-11	4.44E-15	1.25E-20	5.86E-29	0.	0.	0.
RU106	1.33E-03	1.26E-02	8.93E-03	6.33E-03	2.25E-03	8.00E-04	2.01E-04	2.55E-05	2.57E-08	8.26E-13	2.65E-17
RH106	1.44E-05	1.26E-02	8.93E-03	6.33E-03	2.25E-03	8.00E-04	2.01E-04	2.55E-05	2.57E-08	8.26E-13	2.65E-17
SN123	8.83E-06	1.22E-04	4.44E-05	1.61E-05	7.74E-07	3.71E-08	6.47E-10	1.49E-12	2.39E-21	1.54E-34	9.89E-48
SB125	1.54E-04	3.10E-04	2.72E-04	2.39E-04	1.63E-04	1.11E-04	6.63E-05	3.07E-05	2.36E-06	5.02E-08	1.07E-09
TE125M	4.14E-12	1.26E-04	1.12E-04	9.90E-05	6.75E-05	4.59E-05	2.75E-05	1.27E-05	9.76E-07	2.08E-08	4.43E-10
TE127M	4.38E-10	2.10E-04	6.56E-05	2.05E-05	6.32E-07	1.94E-08	1.87E-10	1.76E-13	1.44E-23	1.08E-38	8.03E-54
TE127	3.06E-02	2.08E-04	6.49E-05	2.03E-05	6.24E-07	1.92E-08	1.84E-10	1.74E-13	1.43E-23	1.06E-38	7.96E-54
CS137	1.07E-04	1.12E-03	1.11E-03	1.10E-03	1.06E-03	1.02E-03	9.77E-04	9.13E-04	7.21E-04	5.13E-04	3.62E-04
BA137M	2.25E-07	1.05E-03	1.04E-03	1.03E-03	9.89E-04	9.57E-04	9.13E-04	8.55E-04	6.77E-04	4.79E-04	3.39E-04
CE141	1.68E-07	7.23E-05	1.45E-06	2.92E-08	2.38E-13	1.93E-18	3.17E-25	2.11E-35	0.	0.	0.
CE144	1.34E-03	3.93E-03	2.53E-03	1.61E-03	4.23E-04	1.11E-04	1.87E-05	1.29E-06	1.74E-10	2.73E-16	4.25E-22
PR144	3.67E-07	3.93E-03	2.53E-03	1.61E-03	4.23E-04	1.11E-04	1.87E-05	1.29E-06	1.74E-10	2.73E-16	4.25E-22
PM147	2.24E-14	1.30E-03	1.14E-03	9.98E-04	6.71E-04	4.51E-04	2.65E-04	1.20E-04	8.55E-06	1.62E-07	3.06E-09
EU155	9.38E-06	2.75E-04	2.55E-04	2.37E-04	1.91E-04	1.53E-04	1.14E-04	7.39E-05	1.73E-05	1.94E-06	2.19E-07
TOTAL	5.78E-02	4.53E-02	2.88E-02	2.07E-02	9.41E-03	5.43E-03	3.63E-03	2.82E-03	2.01E-03	1.39E-03	9.75E-04

APPENDIX E
DETAILED RESULTS FOR EVENT LITTLE FELLER I

LITTLE FELLER I
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.21E+02	1.12E+04
1.00E+00	3.65E+01	2.26E+03
2.00E+00	1.43E+01	8.93E+02
3.00E+00	7.55E+00	5.41E+02
4.00E+00	4.63E+00	3.89E+02
6.00E+00	2.37E+00	2.53E+02
9.00E+00	1.38E+00	1.70E+02
1.20E+01	1.00E+00	1.27E+02
1.50E+01	7.78E-01	1.01E+02
1.80E+01	6.29E-01	8.25E+01
2.10E+01	5.22E-01	6.93E+01
1.00E+00 DAYS	4.36E-01	5.84E+01
2.00E+00	1.91E-01	2.52E+01
5.00E+00	7.68E-02	9.27E+00
1.00E+01	3.74E-02	4.52E+00
2.00E+01	1.53E-02	2.02E+00
3.00E+01	8.68E-03	1.26E+00
5.00E+01	3.88E-03	6.93E-01
1.00E+02	1.21E-03	2.95E-01
2.00E+02	3.88E-04	1.03E-01
3.00E+02	1.58E-04	5.30E-02
1.00E+00 YEARS	9.95E-05	4.01E-02
1.50E+00	4.27E-05	2.46E-02
2.00E+00	2.90E-05	1.78E-02
3.50E+00	1.64E-05	8.48E-03
5.00E+00	1.20E-05	5.27E-03
7.00E+00	9.83E-06	3.78E-03
1.00E+01	8.58E-06	3.07E-03
2.00E+01	6.57E-06	2.23E-03
3.50E+01	4.65E-06	1.54E-03
5.00E+01	3.28E-06	1.08E-03

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	8.48E-06	8.47E-06	8.47E-06	8.47E-06	8.47E-06	8.46E-06	8.45E-06	8.42E-06	8.41E-06	8.39E-06	8.38E-06
NA 24	1.66E-01	1.59E-01	1.52E-01	1.45E-01	1.38E-01	1.26E-01	1.10E-01	9.56E-02	8.32E-02	7.25E-02	6.28E-02
MN 54	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.21E-05	1.21E-05	1.21E-05	1.21E-05
FE 55	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05
FE 59	7.86E-06	7.85E-06	7.85E-06	7.85E-06	7.85E-06	7.84E-06	7.83E-06	7.82E-06	7.79E-06	7.78E-06	7.77E-06
CO 57	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07	6.94E-07
CO 58	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.56E-04	1.56E-04	1.56E-04	1.56E-04	1.56E-04
CO 60	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.34E-06
CU 64	8.97E-02	8.48E-02	8.04E-02	7.62E-02	7.21E-02	6.48E-02	5.50E-02	4.68E-02	3.98E-02	3.38E-02	2.88E-02
CU 67	1.50E-06	1.49E-06	1.47E-06	1.45E-06	1.44E-06	1.40E-06	1.35E-06	1.31E-06	1.27E-06	1.22E-06	1.19E-06
W181	2.92E-05	2.92E-05	2.92E-05	2.92E-05	2.92E-05	2.92E-05	2.91E-05	2.91E-05	2.91E-05	2.91E-05	2.91E-05
W185	2.23E-05	2.23E-05	2.23E-05	2.23E-05	2.22E-05	2.22E-05	2.22E-05	2.22E-05	2.22E-05	2.21E-05	2.21E-05
W187	3.52E-03	3.42E-03	3.32E-03	3.22E-03	3.14E-03	2.95E-03	2.71E-03	2.49E-03	2.28E-03	2.10E-03	1.91E-03
W188	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.73E-07	2.73E-07	2.73E-07	2.73E-07	2.72E-07
AU198	3.77E-03	3.74E-03	3.70E-03	3.64E-03	3.61E-03	3.54E-03	3.41E-03	3.31E-03	3.20E-03	3.10E-03	3.00E-03
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PB203	1.84E-05	1.81E-05	1.79E-05	1.76E-05	1.74E-05	1.70E-05	1.63E-05	1.57E-05	1.50E-05	1.44E-05	1.39E-05
U237	4.27E-03	4.25E-03	4.23E-03	4.21E-03	4.19E-03	4.16E-03	4.10E-03	4.05E-03	4.00E-03	3.94E-03	3.90E-03
U239	1.37E+01	2.33E+00	3.98E-01	6.78E-02	1.15E-02	3.35E-04	1.66E-06	8.21E-09	4.06E-11	2.01E-13	9.93E-16
* U240	9.52E-04	9.07E-04	8.64E-04	8.22E-04	7.83E-04	7.09E-04	6.12E-04	5.27E-04	4.55E-04	3.92E-04	3.38E-04
* NP239	4.68E-05	7.85E-02	9.07E-02	9.21E-02	9.14E-02	8.93E-02	8.57E-02	8.28E-02	7.99E-02	7.70E-02	7.41E-02
** NP240M	1.51E-06	9.11E-04	8.71E-04	8.30E-04	7.90E-04	7.14E-04	6.17E-04	5.33E-04	4.59E-04	3.96E-04	3.42E-04
** NP240	3.82E-14	1.96E-14	1.02E-14	5.25E-15	2.72E-15	7.27E-16	1.00E-16	1.38E-17	1.91E-18	2.63E-19	3.64E-20
AM241	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08
CM242	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05
GE 75	8.90E-06	4.31E-02	2.60E-02	1.57E-02	9.42E-03	3.42E-02	7.46E-04	1.63E-04	3.57E-05	7.77E-06	1.70E-06
GE 77	6.80E-03	1.75E-02	1.65E-02	1.55E-02	1.46E-02	1.29E-02	1.07E-02	8.92E-03	7.43E-03	6.17E-03	5.14E-03
AS 77	7.03E-05	1.11E-02	1.12E-02	1.13E-02	1.14E-02	1.15E-02	1.15E-02	1.14E-02	1.12E-02	1.10E-02	1.07E-02
SE 77M	2.77E-09	3.33E-05	3.38E-05	3.40E-05	3.40E-05	3.43E-05	3.43E-05	3.43E-05	3.38E-05	3.30E-05	3.20E-05
GE 78	1.10E+00	6.89E-01	4.28E-01	2.68E-01	1.67E-01	50E-02	1.58E-02	3.83E-03	9.33E-04	2.27E-04	5.51E-05
AS 78	1.98E-02	3.29E-01	4.05E-01	3.80E-01	3.17E-01	1.87E-01	6.96E-02	2.31E-02	7.15E-03	2.14E-03	6.20E-04
AS 79	2.02E+01	1.99E-01	1.96E-03	1.93E-05	1.90E-07	1.84E-11	1.75E-17	1.67E-23	1.60E-29	1.52E-35	1.45E-41
SE 79M	2.99E-02	3.50E-01	3.46E-03	3.41E-05	3.35E-07	3.24E-11	3.09E-17	2.95E-23	2.82E-29	2.69E-35	2.56E-41
BR 80	1.15E-01	1.09E-02	1.02E-03	9.62E-05	9.06E-06	8.03E-08	6.73E-11	5.61E-14	4.67E-17	3.90E-20	3.26E-23
SE 81M	9.00E-02	4.20E+00	2.03E+00	9.74E-01	4.68E-01	1.09E-01	1.22E-02	1.37E-03	1.54E-04	1.73E-05	1.93E-06
SE 81	1.10E+00	4.96E+00	2.87E+00	1.43E+00	6.96E-01	1.62E-01	1.82E-02	2.04E-03	2.28E-04	2.56E-05	2.87E-06
BR 82	4.96E-04	4.86E-04	4.76E-04	4.67E-04	4.58E-04	4.40E-04	4.15E-04	3.91E-04	3.69E-04	3.48E-04	3.28E-04
SE 83	4.35E+01	8.24E+00	1.56E+00	2.96E-01	5.59E-02	2.01E-03	1.37E-05	9.30E-08	6.35E-10	4.31E-12	2.74E-14
BR 83	3.61E-01	5.39E+00	4.99E+00	3.92E+00	2.98E+00	1.68E+00	7.12E-01	2.99E-01	1.27E-01	5.34E-02	2.25E-02
KR 83M	1.87E-05	1.22E+00	2.49E+00	3.10E+00	3.19E+00	2.66E+00	1.57E+00	8.08E-01	3.89E-01	1.80E-01	8.08E-02

LITTLE FELLER 1 MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	8.70E-02	1.50E+01	4.06E+00	1.10E+00	2.97E-01	2.17E-02	4.29E-04	8.48E-06	1.68E-07	3.32E-09	6.55E-11	
KR 85M	3.67E-03	7.86E+00	6.69E+00	5.71E+00	4.88E+00	3.56E+00	2.22E+00	1.39E+00	8.64E-01	5.37E-01	3.35E-01	
KR 87	6.12E+01	3.53E+01	2.04E+01	1.18E+01	6.81E+00	2.29E+00	4.43E-01	8.58E-02	1.66E-02	3.22E-03	6.22E-04	
KR 88	3.34E+01	2.60E+01	2.03E+01	1.59E+01	1.24E+01	7.52E+00	3.59E+00	1.71E+00	8.13E-01	3.87E-01	1.84E-01	
RB 88	8.48E+00	2.63E+01	2.25E+01	1.77E+01	1.38E+01	8.43E+00	4.02E+00	1.92E+00	9.13E-01	4.34E-01	2.06E-01	
RB 89	4.24E+01	3.99E+01	2.68E+00	1.80E-01	1.21E-02	5.46E-05	1.65E-08	4.99E-12	1.52E-15	4.60E-19	1.40E-22	
SR 89	3.25E-06	1.14E-01	1.22E-01	1.22E-01	1.22E-01	1.22E-01	1.22E-01	1.22E-01	1.21E-01	1.21E-01	1.21E-01	
SR 90	6.47E-06	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	
SR 91	7.68E-01	1.43E+01	1.33E+01	1.24E+01	1.15E+01	1.00E+01	8.07E+00	6.52E+00	5.27E+00	4.23E+00	3.41E+00	
Y 91M	5.17E-05	4.93E+00	6.72E+00	7.20E+00	7.10E+00	6.38E+00	5.22E+00	4.20E+00	3.39E+00	2.73E+00	2.20E+00	
Y 91	2.12E-08	4.38E-03	1.01E-02	1.61E-02	2.20E-02	3.30E-02	4.69E-02	5.60E-02	6.72E-02	7.44E-02	8.02E-02	
SR 92	4.77E+00	2.13E+01	1.65E+01	1.28E+01	9.90E+00	5.92E+00	2.75E+00	1.28E+00	5.92E-01	2.75E-01	1.28E-01	
Y 92	2.20E-01	4.48E+00	7.03E+00	8.37E+00	8.88E+00	8.45E+00	6.48E+00	4.42E+00	2.84E+00	1.75E+00	1.05E+00	
SR 93	2.04E+02	3.52E+00	1.94E-02	1.07E-04	5.91E-07	1.81E-11	3.05E-18	5.15E-25	8.69E-32	1.46E-38	2.47E-45	
Y 93	2.49E-01	8.06E+00	7.57E+00	7.08E+00	6.61E+00	5.77E+00	4.70E+00	3.84E+00	3.12E+00	2.56E+00	2.08E+00	
Y 94	3.01E+01	4.11E+01	5.29E+00	6.82E-01	8.81E-02	1.46E-03	3.14E-06	6.72E-09	1.44E-11	3.14E-14	1.74E-15	
Y 95	1.34E+02	1.27E+01	2.79E-01	6.15E-03	1.35E-04	6.57E-08	7.03E-13	7.52E-18	8.03E-23	8.58E-28	9.18E-33	
ZR 95	5.04E-04	6.59E-02	6.72E-02	6.72E-02	6.72E-02	6.72E-02	6.72E-02	6.72E-02	6.70E-02	6.68E-02	6.68E-02	
NB 95	5.62E-11	4.07E-05	9.49E-05	1.49E-04	2.04E-04	3.12E-04	4.73E-04	6.37E-04	7.96E-04	9.58E-04	1.12E-03	
ZR 97	1.28E+00	5.59E+00	5.34E+00	5.14E+00	4.92E+00	4.55E+00	4.02E+00	3.55E+00	3.16E+00	2.78E+00	2.47E+00	
NB 97M	6.60E-03	5.37E+00	5.14E+00	4.95E+00	4.75E+00	4.37E+00	3.86E+00	3.42E+00	3.03E+00	2.67E+00	2.36E+00	
NB 97	6.43E-01	2.80E+00	3.95E+00	4.50E+00	4.73E+00	4.70E+00	4.28E+00	3.82E+00	3.38E+00	2.98E+00	2.65E+00	
NB 98	7.50E+00	3.32E+00	1.47E+00	6.49E-01	2.88E-01	5.63E-02	4.87E-03	4.20E-04	3.66E-05	3.17E-06	2.73E-07	
M0 99	4.13E-03	1.70E+00	1.69E+00	1.67E+00	1.65E+00	1.62E+00	1.57E+00	1.52E+00	1.47E+00	1.43E+00	1.39E+00	
TC 99M	3.84E-08	1.62E-01	3.05E-01	4.31E-01	5.42E-01	7.23E-01	9.18E-01	1.04E+00	1.12E+00	1.16E+00	1.18E+00	
M0101	1.64E+02	7.39E+01	4.29E+00	2.49E-01	1.44E-02	4.83E-05	9.39E-09	1.83E-12	3.56E-16	6.91E-20	1.35E-23	
TC101	6.91E+00	2.07E+02	2.27E+01	1.86E+00	1.35E-01	6.11E-04	1.53E-07	3.42E-11	7.25E-15	1.49E-18	3.02E-22	
M0102	1.47E+03	3.36E+01	7.65E-01	1.75E-02	3.98E-04	2.07E-07	2.46E-12	2.92E-17	3.46E-22	4.10E-27	4.88E-32	
TC102M	9.47E-01	2.84E+01	6.51E-01	1.49E-02	3.39E-04	1.75E-07	2.08E-12	2.47E-17	2.93E-22	3.47E-27	4.12E-32	
TC102	4.43E+03	1.69E+01	3.86E-01	8.77E-03	2.01E-04	1.05E-07	1.24E-12	1.47E-17	1.75E-22	2.07E-27	2.46E-32	
RU103	1.17E-04	2.72E-01	2.71E-01	2.71E-01	2.71E-01	2.70E-01	2.69E-01	2.69E-01	2.69E-01	2.68E-01	2.67E-01	
RH103M	7.81E-09	1.40E-01	2.08E-01	2.41E-01	2.57E-01	2.67E-01	2.69E-01	2.69E-01	2.69E-01	2.68E-01	2.68E-01	
TC104	1.10E+02	7.93E+01	7.93E+00	7.85E-01	7.76E-02	7.65E-04	7.47E-07	7.30E-10	7.13E-13	6.96E-16	6.80E-19	
RU105	1.02E+00	3.54E+01	3.03E+01	2.59E+01	2.22E+01	1.62E+01	1.02E+01	6.35E+00	3.97E+00	2.49E+00	1.56E+00	
RH105M	6.73E-03	3.55E+01	3.03E+01	2.60E+01	2.22E+01	1.63E+01	1.02E+01	6.37E+00	3.99E+00	2.50E+00	1.56E+00	
RH105	1.11E-08	7.20E-01	1.34E+00	1.85E+00	2.27E+00	2.91E+00	3.47E+00	3.74E+00	3.81E+00	3.77E+00	3.68E+00	
RU106	9.45E-04	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	
RH106	1.02E-05	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.79E-02	
RH107	2.92E-01	3.96E+01	6.01E+00	9.04E-01	1.36E-01	3.11E-03	1.07E-05	3.70E-08	1.27E-10	4.35E-14	4.33E-17	
PD107M	6.06E-04	8.06E+00	1.22E+00	1.84E-01	2.78E-02	6.33E-04	2.18E-06	7.52E-09	2.59E-11	8.93E-14	3.05E-16	

E-4

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.67E-02	1.38E+00	1.32E+00	1.25E+00	1.18E+00	1.07E+00	9.19E-01	7.87E-01	6.75E-01	5.78E-01	4.97E-01	4.27E-01
AG109M	9.62E-05	1.38E+00	1.32E+00	1.25E+00	1.19E+00	1.07E+00	9.19E-01	7.87E-01	6.75E-01	5.78E-01	4.97E-01	4.27E-01
PD111M	1.99E+00	1.75E+00	1.54E+00	1.37E+00	1.20E+00	9.35E-01	8.40E-01	7.39E-01	6.30E-01	5.26E-01	4.41E-01	3.71E-01
PD111	7.08E-01	1.28E+00	1.22E+00	1.09E+00	9.65E-01	7.50E-01	5.14E-01	3.52E-01	2.41E-01	1.65E-01	1.14E-01	7.87E-02
AG111M	5.63E-03	1.72E+00	1.62E+00	1.45E+00	1.28E+00	9.87E-01	6.75E-01	4.62E-01	3.17E-01	2.17E-01	1.48E-01	1.03E-01
AG111	2.00E-09	5.94E-03	1.25E-02	1.83E-02	2.35E-02	3.21E-02	4.12E-02	4.72E-02	5.11E-02	5.36E-02	5.51E-02	5.51E-02
PD112	3.60E-01	3.49E-01	3.37E-01	3.26E-01	3.16E-01	2.95E-01	2.68E-01	2.43E-01	2.20E-01	1.99E-01	1.80E-01	1.63E-01
AG112	1.09E-05	6.91E-02	1.22E-01	1.64E-01	1.94E-01	2.33E-01	2.56E-01	2.55E-01	2.43E-01	2.26E-01	2.09E-01	1.92E-01
AG113	2.84E-03	6.07E-01	5.32E-01	4.67E-01	4.10E-01	3.55E-01	2.13E-01	1.44E-01	9.72E-02	6.56E-02	4.44E-02	3.00E-02
AG115	8.58E-01	9.20E-01	1.14E-01	1.43E-02	1.79E-03	2.80E-05	5.47E-08	1.07E-10	2.07E-13	2.06E-162	1.91E-16	1.91E-16
CD115M	7.02E-09	1.87E-04	2.10E-04	2.13E-04	2.13E-04	2.13E-04	2.12E-04	2.12E-04	2.11E-04	2.11E-04	2.11E-04	2.11E-04
CD115	2.71E-06	5.11E-02	5.50E-02	5.48E-02	5.42E-02	5.28E-02	5.08E-02	4.88E-02	4.70E-02	4.52E-02	4.35E-02	4.18E-02
IN115M	3.38E-11	5.64E-03	1.25E-02	1.86E-02	2.37E-02	3.16E-02	3.90E-02	4.30E-02	4.48E-02	4.52E-02	4.49E-02	4.49E-02
CD117	5.97E-02	9.93E-01	7.48E-01	5.59E-01	4.19E-01	2.35E-01	9.86E-02	4.15E-02	1.75E-02	7.34E-03	3.09E-03	1.22E-03
IN117M	2.87E-06	3.45E-01	5.00E-01	5.43E-01	5.25E-01	4.13E-01	2.36E-01	1.21E-01	5.81E-02	2.69E-02	1.22E-02	5.44E-03
IN117	1.15E-10	6.30E-02	1.52E-01	2.12E-01	2.36E-01	2.18E-01	1.38E-01	7.41E-02	3.69E-02	1.73E-02	7.97E-03	3.44E-03
CD118	3.90E+00	1.67E+00	7.17E-01	3.06E-01	1.31E-01	2.40E-02	1.88E-03	1.47E-04	1.16E-05	9.05E-07	7.10E-08	5.44E-09
IN118	2.58E-01	1.67E+00	7.17E-01	3.06E-01	1.31E-01	2.40E-02	1.88E-03	1.48E-04	1.16E-05	9.05E-07	7.10E-08	5.44E-09
CD119	9.76E+00	1.52E-01	2.37E-03	3.72E-05	5.81E-07	1.42E-10	5.41E-16	2.07E-21	7.87E-27	3.01E-32	1.15E-37	4.15E-43
IN119M	1.47E-02	1.65E+00	1.79E-01	1.81E-02	1.80E-03	1.77E-05	1.73E-08	1.69E-11	1.65E-14	1.61E-17	1.57E-20	1.53E-23
IN119	7.26E-01	8.67E-02	1.01E-02	1.02E-03	1.02E-04	9.98E-07	9.76E-10	9.54E-13	9.32E-16	9.11E-19	8.89E-22	8.67E-25
SN121	1.22E-03	1.26E-01	1.22E-01	1.20E-01	1.17E-01	1.11E-01	1.02E-01	9.51E-02	8.79E-02	8.14E-02	7.56E-02	7.02E-02
SN123M	7.24E-01	1.35E+00	4.80E-01	1.70E-01	6.00E-02	7.49E-03	3.31E-04	1.47E-05	6.49E-07	2.86E-08	1.27E-09	5.11E-10
SN123	6.80E-06	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04	7.11E-04
SN125	1.96E-02	1.96E-02	1.95E-02	1.95E-02	1.94E-02	1.93E-02	1.91E-02	1.89E-02	1.87E-02	1.85E-02	1.84E-02	1.82E-02
SB125	1.18E-04	1.18E-04	1.19E-04	1.19E-04	1.20E-04	1.21E-04	1.23E-04	1.24E-04	1.26E-04	1.27E-04	1.29E-04	1.30E-04
SB126	3.57E-03	3.56E-03	3.56E-03	3.55E-03	3.54E-03	3.52E-03	3.50E-03	3.48E-03	3.45E-03	3.43E-03	3.40E-03	3.37E-03
SN127	4.14E+00	2.97E+00	2.14E+00	1.54E+00	1.11E+00	5.71E-01	2.12E-01	7.89E-02	2.93E-02	1.09E-02	4.04E-03	1.44E-03
SB127	4.83E-02	1.67E-01	1.84E-01	1.96E-01	2.05E-01	2.11E-01	2.17E-01	2.15E-01	2.12E-01	2.07E-01	2.03E-01	1.98E-01
TE127	2.73E-02	3.40E-02	4.13E-02	4.90E-02	5.66E-02	7.10E-02	9.09E-02	1.06E-01	1.18E-01	1.27E-01	1.33E-01	1.38E-01
SN128	2.80E+01	1.38E+01	6.84E+00	3.38E+00	1.67E+00	4.08E-01	4.93E-02	5.94E-03	7.17E-04	8.69E-05	1.05E-05	1.25E-06
SB128M	1.43E-02	1.57E+01	8.17E+00	4.03E+00	1.99E+00	4.87E-01	5.87E-02	7.09E-03	8.54E-04	1.03E-04	1.25E-05	1.57E-06
SB128	1.18E+00	1.14E+00	1.07E+00	1.00E+00	9.36E-01	8.02E-01	6.40E-01	5.08E-01	4.03E-01	3.20E-01	2.54E-01	2.00E-01
SN129M	1.71E+01	8.53E+00	4.28E+00	2.14E+00	1.07E+00	2.68E-01	3.35E-02	4.19E-03	5.23E-04	6.54E-05	8.17E-06	1.00E-06
SN129	1.14E+02	1.12E+00	1.11E-02	1.09E-04	1.07E-06	1.04E-10	9.91E-17	9.47E-23	9.04E-29	8.60E-35	8.24E-41	7.87E-47
SB129	6.43E+00	1.08E+01	1.01E+01	9.04E+00	7.95E+00	5.91E+00	3.68E+00	2.28E+00	1.40E+00	8.68E-01	5.34E-01	3.16E-01
TE129M	1.21E-07	1.34E-03	2.77E-03	4.07E-03	5.23E-03	7.09E-03	8.97E-03	1.01E-02	1.08E-02	1.13E-02	1.16E-02	1.18E-02
TE129	4.63E+00	6.36E+00	7.45E+00	7.74E+00	7.45E+00	6.17E+00	4.11E+00	2.59E+00	1.61E+00	9.98E-01	6.19E-01	3.80E-01
SB130M	6.56E-01	1.24E+00	3.25E-03	8.53E-06	2.25E-08	1.55E-13	2.82E-21	5.13E-29	9.31E-37	1.69E-44	3.08E-52	5.11E-61
SB130	1.12E+02	3.40E+01	9.67E+00	2.74E+00	7.75E-01	6.24E-02	1.42E-03	3.24E-05	7.39E-07	1.68E-08	3.85E-10	8.44E-12

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	3.13E-02	2.96E-02	2.80E-02	2.64E-02	2.50E-02	2.24E-02	1.89E-02	1.60E-02	1.35E-02	1.14E-02	9.67E-03
SB131	2.50E+02	6.52E+01	1.07E+01	1.75E+00	2.87E-01	7.73E-03	3.40E-05	1.50E-07	6.61E-10	2.92E-12	1.45E-14
TE131M	1.20E-04	6.28E-01	7.16E-01	7.17E-01	7.04E-01	6.73E-01	6.27E-01	5.85E-01	5.46E-01	5.10E-01	4.75E-01
TE131	1.11E+02	1.20E+02	3.91E+01	1.02E+01	2.47E+00	2.32E-01	1.15E-01	1.07E-01	9.94E-02	9.30E-02	8.67E-02
I131	1.61E-02	5.57E-01	8.19E-01	8.98E-01	9.14E-01	9.22E-01	9.22E-01	9.14E-01	9.14E-01	9.06E-01	9.06E-01
TE132	1.17E+00	2.84E+00	2.82E+00	2.79E+00	2.77E+00	2.72E+00	2.65E+00	2.57E+00	2.51E+00	2.44E+00	2.38E+00
I132	2.87E+00	2.87E+00	2.86E+00	2.84E+00	2.82E+00	2.79E+00	2.72E+00	2.65E+00	2.58E+00	2.52E+00	2.45E+00
TE133M	1.40E-01	4.84E+01	2.11E+01	9.18E+00	3.99E+00	7.59E-01	6.24E-02	5.15E-03	4.25E-04	3.50E-05	2.89E-06
TE133	7.85E+02	4.45E+01	4.95E+00	1.64E+00	6.92E-01	1.31E-01	1.08E-02	8.92E-04	7.39E-05	6.08E-06	5.01E-07
I133	1.22E+00	1.31E+01	1.42E+01	1.42E+01	1.39E+01	1.32E+01	1.20E+01	1.08E+01	9.78E+00	8.92E+00	8.05E+00
XE133M	5.18E-08	2.95E-03	7.12E-03	1.14E-02	1.55E-02	2.33E-02	3.37E-02	4.28E-02	5.04E-02	5.70E-02	6.25E-02
XE133	9.05E-07	5.15E-02	1.25E-01	2.00E-01	2.74E-01	4.15E-01	6.09E-01	7.79E-01	9.32E-01	1.06E+00	1.18E+00
TE134	2.52E+02	1.17E+02	4.35E+01	1.62E+01	6.00E+00	8.31E-01	4.25E-02	2.18E-03	1.12E-04	5.73E-06	2.94E-07
I134	1.15E+02	1.54E+02	1.08E+02	6.34E+01	3.40E+01	8.64E+00	9.50E+01	9.70E+02	9.50E+03	9.11E+04	8.64E+05
I135	2.06E+01	3.62E+01	3.27E+01	2.94E+01	2.66E+01	2.16E+01	1.58E+01	1.16E+01	8.51E+00	6.26E+00	4.57E+00
XE135M	2.27E-03	1.05E+01	1.02E+01	9.22E+00	8.27E+00	6.74E+00	4.95E+00	3.62E+00	2.66E+00	1.95E+00	1.43E+00
XE135	2.37E+00	4.69E+00	6.85E+00	8.63E+00	1.00E+01	1.21E+01	1.34E+01	1.34E+01	1.28E+01	1.16E+01	1.04E+01
CS136	1.55E-02	1.54E-02	1.54E-02	1.54E-02	1.53E-02	1.53E-02	1.52E-02	1.51E-02	1.50E-02	1.49E-02	1.48E-02
CS137	1.04E-04	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03
BA137M	2.19E-07	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03
XE138	7.10E+02	6.11E+01	5.31E+00	4.60E-01	3.98E-02	2.99E-04	1.94E-07	1.26E-10	8.20E-14	5.33E-17	3.46E-20
CS138	1.06E+02	1.78E+02	6.16E+01	1.81E+01	5.07E+00	3.86E-01	8.04E-03	1.67E-04	3.46E-06	7.21E-08	1.49E-09
CS139	7.83E+02	2.50E+01	3.13E-01	3.94E-03	4.94E-05	7.76E-09	1.54E-14	3.05E-20	6.04E-26	1.20E-31	2.36E-37
BA139	1.45E+01	1.61E+02	9.94E+01	6.04E+01	3.65E+01	1.34E+01	2.97E+00	6.60E-01	1.47E-01	3.25E-02	7.23E-03
BA140	1.09E-01	6.81E-01	6.81E-01	6.76E-01	6.76E-01	6.71E-01	6.71E-01	6.66E-01	6.60E-01	6.55E-01	6.50E-01
LA140	2.60E-07	1.16E-02	2.31E-02	3.43E-02	4.52E-02	6.66E-02	9.73E-02	1.26E-01	1.53E-01	1.78E-01	2.02E-01
BA141	1.54E+02	4.67E+01	4.63E+00	4.59E-01	4.56E-02	4.52E-04	4.41E-07	4.30E-10	4.19E-13	4.12E-16	4.01E-19
LA141	1.43E+00	3.02E+01	2.82E+01	2.39E+01	2.00E+01	1.40E+01	8.23E+00	4.81E+00	2.83E+00	1.66E+00	9.74E-01
CE141	1.76E-07	1.96E-02	4.59E-02	6.91E-02	8.86E-02	1.19E-01	1.47E-01	1.64E-01	1.73E-01	1.79E-01	1.82E-01
BA142	2.79E+02	1.11E+01	2.53E-01	5.77E-03	1.32E-04	6.84E-08	8.11E-13	9.63E-18	1.14E-22	1.36E-27	1.61E-32
LA142	6.41E+00	4.45E+01	2.93E+01	1.87E+01	1.19E+01	4.80E+00	1.24E+00	3.19E-01	8.23E-02	2.12E-02	5.46E-03
LA143	9.93E+01	1.94E+01	9.93E-01	5.10E-02	2.62E-03	6.87E-06	9.26E-10	1.25E-13	1.68E-17	2.27E-21	3.06E-25
CE143	3.97E-02	2.53E+00	2.62E+00	2.55E+00	2.51E+00	2.41E+00	2.26E+00	2.12E+00	1.99E+00	1.87E+00	1.76E+00
PR143	1.16E-08	3.87E-03	9.35E-03	1.48E-02	2.01E-02	3.04E-02	4.48E-02	5.85E-02	7.10E-02	8.28E-02	9.37E-02
CE144	1.53E-03	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.09E-02	1.09E-02	1.09E-02	1.09E-02	1.09E-02
PR144	4.20E-07	9.98E-03	1.09E-02	1.09E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.09E-02	1.09E-02	1.09E-02
PR145	6.48E-02	9.52E+00	8.47E+00	7.54E+00	6.73E+00	5.33E+00	3.76E+00	2.65E+00	1.88E+00	1.33E+00	9.38E-01
CE146	2.00E+02	1.03E+01	5.26E-01	2.69E-02	1.38E-03	3.65E-06	4.91E-10	6.62E-14	8.91E-18	1.20E-21	1.62E-25
PR146	4.14E+00	3.60E+01	8.16E+00	1.53E+00	2.76E-01	8.68E-03	4.79E-05	2.64E-07	1.46E-09	8.09E-12	4.42E-14
PR147	2.30E+01	6.66E+00	2.08E-01	6.49E-03	2.03E-04	1.98E-07	6.06E-12	1.85E-16	5.64E-21	1.72E-25	5.25E-30

LITTLE FELLER 1 MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	8.22E-06	1.55E-01	1.59E-01	1.59E-01	1.58E-01	1.58E-01	1.56E-01	1.55E-01	1.54E-01	1.53E-01	1.52E-01	
ND149	1.32E+01	8.96E+00	6.10E+00	4.16E+00	2.81E+00	1.31E+00	4.11E-01	1.30E-01	4.08E-02	1.28E-02	4.06E-03	
PM149	1.83E-03	1.43E-01	2.38E-01	3.01E-01	3.41E-01	3.83E-01	3.98E-01	3.91E-01	3.81E-01	3.66E-01	3.53E-01	
PM150	1.60E-01	1.23E-01	9.55E-02	7.37E-02	5.70E-02	3.42E-02	1.58E-02	7.32E-03	3.39E-03	1.57E-03	7.27E-04	
ND151	6.02E+01	1.88E+00	5.89E-02	1.84E-03	5.75E-05	5.62E-08	1.72E-12	5.24E-17	1.60E-21	4.87E-26	1.49E-30	
PM151	3.82E-02	4.46E-01	4.49E-01	4.38E-01	4.27E-01	4.06E-01	3.76E-01	3.49E-01	3.25E-01	3.01E-01	2.80E-01	
PM152	1.00E+02	9.78E-02	9.53E-05	9.32E-08	9.10E-11	8.69E-17	8.09E-26	7.55E-35	7.03E-44	6.57E-53	6.10E-62	
SM153	1.38E-01	1.36E-01	1.34E-01	1.32E-01	1.31E-01	1.27E-01	1.21E-01	1.16E-01	1.11E-01	1.06E-01	1.02E-01	
SM155	9.26E+00	1.52E+00	2.49E-01	4.08E-02	6.69E-03	1.80E-04	7.94E-07	3.50E-09	1.54E-11	6.87E-14	1.69E-16	
EU155	6.81E-06	1.94E-04	2.25E-04	2.30E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	
SM156	1.83E-01	1.70E-01	1.58E-01	1.46E-01	1.36E-01	1.17E-01	9.40E-02	7.54E-02	6.05E-02	4.84E-02	3.87E-02	
EU156	5.34E-04	8.72E-04	1.18E-03	1.47E-03	1.74E-03	2.22E-03	2.83E-03	3.27E-03	3.66E-03	3.95E-03	4.16E-03	
EU157	2.95E-02	9.77E-02	9.32E-02	8.91E-02	8.50E-02	7.76E-02	6.78E-02	5.92E-02	5.15E-02	4.49E-02	3.91E-02	
EU158	1.26E+00	5.12E-01	2.07E-01	8.38E-02	3.39E-02	5.55E-03	3.70E-04	2.45E-05	1.63E-06	1.08E-07	7.19E-09	
EU159	1.51E+00	1.50E-01	1.49E-02	1.48E-03	1.47E-04	1.45E-06	1.41E-09	1.38E-12	1.35E-15	1.32E-18	1.29E-21	
GD159	6.48E-03	2.84E-02	2.95E-02	2.86E-02	2.75E-02	2.55E-02	2.27E-02	2.03E-02	1.80E-02	1.61E-02	1.43E-02	
TB161	8.84E-05	6.36E-04	6.32E-04	6.30E-04	6.28E-04	6.21E-04	6.15E-04	6.07E-04	5.98E-04	5.92E-04	5.84E-04	
TOTAL	1.12E+04	2.26E+03	8.93E+02	5.41E+02	3.89E+02	2.53E+02	1.70E+02	1.27E+02	1.01E+02	8.25E+01	6.93E+01	

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	8.48E-06	8.38E-06	8.27E-06	7.96E-06	7.46E-06	6.54E-06	5.75E-06	4.42E-06	2.31E-06	6.29E-07	1.71E-07	
NA 24	1.66E-01	5.48E-02	1.81E-02	6.48E-04	2.54E-06	3.88E-11	5.92E-16	1.38E-25	0.	0.	0.	
MN 54	1.22E-05	1.21E-05	1.21E-05	1.19E-05	1.18E-05	1.16E-05	1.13E-05	1.08E-05	9.64E-06	7.67E-06	6.11E-06	
FE 55	2.67E-05	2.67E-05	2.67E-05	2.66E-05	2.65E-05	2.64E-05	2.61E-05	2.58E-05	2.48E-05	2.31E-05	2.15E-05	
FE 59	7.86E-06	7.75E-06	7.63E-06	7.29E-06	6.74E-06	5.78E-06	4.96E-06	3.64E-06	1.69E-06	3.61E-07	7.75E-08	
CO 57	6.94E-07	6.94E-07	6.89E-07	6.89E-07	6.79E-07	6.58E-07	6.43E-07	6.12E-07	5.40E-07	4.17E-07	3.23E-07	
CO 58	1.57E-04	1.56E-04	1.54E-04	1.49E-04	1.43E-04	1.29E-04	1.17E-04	9.66E-05	5.95E-05	2.25E-05	8.49E-06	
CO 60	4.34E-06	4.34E-06	4.34E-06	4.34E-06	4.32E-06	4.32E-06	4.29E-06	4.27E-06	4.16E-06	4.04E-06	3.88E-06	
CU 64	8.97E-02	2.44E-02	6.66E-03	1.35E-04	2.03E-07	4.62E-13	1.05E-18	5.38E-30	0.	0.	0.	
CU 67	1.50E-06	1.15E-06	8.75E-07	3.89E-07	1.01E-07	6.84E-09	4.61E-10	2.10E-12	2.93E-18	0.	0.	
W181	2.92E-05	2.91E-05	2.88E-05	2.84E-05	2.76E-05	2.61E-05	2.46E-05	2.20E-05	1.65E-05	9.28E-06	5.24E-06	
W185	2.23E-05	2.21E-05	2.17E-05	2.13E-05	2.04E-05	1.85E-05	1.69E-05	1.40E-05	8.85E-06	3.52E-06	1.40E-06	
W187	3.52E-03	1.76E-03	8.72E-04	1.09E-04	3.34E-06	3.19E-09	3.01E-12	2.71E-20	0.	0.	0.	
W188	2.74E-07	2.71E-07	2.69E-07	2.61E-07	2.49E-07	2.24E-07	2.03E-07	1.66E-07	1.01E-07	3.72E-08	1.37E-08	
AU198	3.77E-03	2.90E-03	2.25E-03	1.04E-03	2.87E-04	2.20E-05	1.68E-06	9.83E-09	2.56E-14	0.	0.	
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
PB203	1.34E-05	9.69E-06	3.71E-06	7.53E-07	3.10E-08	1.27E-09	2.13E-12	2.49E-19	0.	0.	0.	
U237	4.27E-03	3.85E-03	3.47E-03	2.55E-03	1.53E-03	5.47E-04	1.96E-04	2.51E-05	1.48E-07	1.59E-11	1.07E-11	
* U240	9.52E-04	2.93E-04	9.00E-05	2.61E-06	7.16E-09	5.38E-14	4.05E-19	2.29E-29	0.	0.	0.	
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
NP239	4.68E-05	7.14E-02	5.32E-02	2.20E-02	5.02E-03	2.63E-04	1.37E-05	3.77E-08	1.48E-14	3.54E-24	3.54E-24	
* NP240M	1.51E-06	2.95E-04	9.07E-05	2.63E-06	7.22E-09	5.43E-14	4.09E-19	2.30E-29	0.	0.	0.	
AM241	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	9.81E-08	
CM242	1.04E-05	1.04E-05	1.03E-05	1.02E-05	9.99E-06	9.56E-06	9.18E-06	8.42E-06	6.86E-06	4.46E-06	2.92E-06	
GE 77	6.80E-03	4.28E-03	9.80E-04	1.18E-05	7.53E-09	3.05E-15	1.23E-21	2.01E-34	0.	0.	0.	
AS 77	7.03E-05	1.04E-02	7.51E-03	2.17E-03	2.54E-04	3.45E-06	4.69E-08	8.64E-12	4.01E-21	8.59E-40	1.84E-58	
SE 77M	2.77E-09	3.12E-05	2.25E-05	6.53E-06	7.61E-07	1.04E-08	1.41E-10	2.60E-14	1.20E-23	2.57E-42	5.54E-61	
AS 78	1.98E-02	1.76E-04	5.16E-09	4.36E-23	0.	0.	0.	0.	0.	0.	0.	
BR 82	4.96E-04	3.09E-04	1.93E-04	4.69E-05	4.45E-06	4.00E-08	3.59E-10	2.90E-14	1.69E-24	5.81E-45	1.98E-65	
BR 83	3.61E-01	9.51E-03	9.56E-06	9.71E-15	9.91E-30	0.	0.	0.	0.	0.	0.	
KR 83M	1.87E-05	4.16E-02	4.72E-05	4.25E-14	4.36E-29	0.	0.	0.	0.	0.	0.	
KR 85M	3.67E-03	2.09E-01	4.77E-03	5.66E-08	3.49E-16	1.33E-32	5.03E-49	0.	0.	0.	0.	
KR 85	3.79E-06	9.96E-05	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.01E-04	1.00E-04	9.81E-05	9.67E-05	
KR 87	6.12E+01	1.21E-04	2.39E-10	1.85E-27	0.	0.	0.	0.	0.	0.	0.	
KR 88	3.34E+01	8.78E-02	2.30E-04	4.18E-12	5.27E-25	0.	0.	0.	0.	0.	0.	
RB 88	8.48E+00	9.78E-02	2.58E-04	4.68E-12	5.87E-25	0.	0.	0.	0.	0.	0.	
SR 89	3.25E-06	9.74E-02	9.60E-02	9.22E-02	8.65E-02	7.55E-02	6.60E-02	5.08E-02	2.60E-02	6.84E-03	1.81E-03	
SR 90	6.47E-06	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.59E-04	6.59E-04	6.53E-04	
Y 90	9.58E-12	1.52E-04	2.69E-04	4.84E-04	6.17E-04	6.59E-04	6.64E-04	6.64E-04	6.59E-04	6.59E-04	6.53E-04	
SR 91	7.68E-01	2.75E+00	4.93E-01	2.83E-03	5.17E-07	1.75E-14	5.94E-22	6.76E-37	0.	0.	0.	

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	5.17E-05	1.78E+00	3.18E-01	1.83E-03	3.35E-07	1.13E-14	3.83E-22	4.37E-37	0.	0.	0.
Y 91	2.12E-08	8.46E-02	1.00E-01	1.00E-01	9.42E-02	8.36E-02	7.44E-02	5.89E-02	3.26E-02	1.01E-02	3.09E-03
SR 92	4.77E+00	5.95E-02	1.28E-04	1.29E-12	6.04E-26	0.	0.	0.	0.	0.	0.
Y 92	2.20E-01	6.24E+01	6.92E-03	5.33E-09	3.11E-19	1.06E-39	3.64E-60	0.	0.	0.	0.
Y 93	2.49E-01	1.68E+00	3.28E-01	2.47E-03	7.10E-07	5.87E-14	4.84E-21	3.31E-35	0.	0.	0.
ZR 95	5.04E-04	6.30E-02	6.24E-02	6.04E-02	5.73E-02	5.13E-02	4.62E-02	3.74E-02	2.19E-02	7.54E-03	2.59E-03
NB 95M	1.07E-11	2.13E-04	3.89E-04	7.43E-04	1.00E-03	1.06E-03	9.75E-04	7.92E-04	4.65E-04	1.60E-04	5.51E-05
NB 95	5.62E-11	1.22E-03	2.41E-03	5.77E-03	1.07E-02	1.85E-02	2.39E-02	2.96E-02	2.85E-02	1.37E-02	5.26E-03
ZR 97	1.28E+00	2.18E+00	8.21E-01	4.35E-02	3.27E-04	1.84E-08	1.03E-12	3.27E-21	1.84E-42	0.	0.
NB 97M	6.60E-03	2.10E+00	7.88E-01	4.20E-02	3.14E-04	1.77E-08	9.94E-13	3.14E-21	1.77E-42	0.	0.
NB 97	6.43E-01	2.19E+00	8.24E-01	4.37E-02	3.29E-04	1.98E-08	1.11E-12	3.53E-21	1.99E-42	0.	0.
MO 99	4.13E-03	1.34E+00	1.05E+00	4.97E-01	1.44E-01	1.20E-02	1.00E-03	6.99E-06	2.84E-11	4.68E-22	7.70E-33
TC 99M	3.84E-08	1.18E+00	9.94E-01	4.76E-01	1.37E-01	1.15E-02	9.57E-04	6.68E-06	2.71E-11	4.47E-22	7.36E-33
RU103	1.17E-04	2.67E-01	2.62E-01	2.48E-01	2.28E-01	1.91E-01	1.61E-01	1.13E-01	4.71E-02	8.18E-03	1.43E-03
RH103M	7.81E-09	2.67E-01	2.63E-01	2.49E-01	2.28E-01	1.91E-01	1.61E-01	1.13E-01	4.72E-02	8.18E-03	1.43E-03
RU105	1.02E+00	9.79E-01	2.30E-02	3.03E-07	2.21E-15	1.18E-31	6.33E-48	0.	0.	0.	0.
RH105M	6.73E-03	9.79E-01	2.31E-02	3.03E-07	2.22E-15	1.19E-31	6.34E-48	0.	0.	0.	0.
RH105	1.11E-08	3.53E+00	2.31E+00	5.75E-01	5.67E-02	5.51E-04	5.36E-06	5.06E-10	4.39E-20	3.29E-40	2.47E-60
RU106	9.45E-04	1.79E-02	1.78E-02	1.77E-02	1.76E-02	1.73E-02	1.69E-02	1.63E-02	1.48E-02	1.22E-02	1.01E-02
RH106	1.02E-05	1.79E-02	1.78E-02	1.77E-02	1.76E-02	1.73E-02	1.69E-02	1.63E-02	1.48E-02	1.22E-02	1.01E-02
PD109	1.67E-02	4.25E-01	1.24E-01	3.07E-03	6.47E-06	2.88E-11	1.28E-16	2.54E-27	0.	0.	0.
AG109M	9.62E-05	4.25E-01	1.24E-01	3.07E-03	6.50E-06	2.89E-11	1.28E-16	2.54E-27	0.	0.	0.
PD111M	1.99E+00	9.65E-02	4.69E-03	5.38E-07	1.45E-13	1.06E-26	7.79E-40	0.	0.	0.	0.
PD111	7.08E-01	7.79E-02	3.77E-03	4.33E-07	1.17E-13	8.53E-27	6.26E-40	0.	0.	0.	0.
AG111M	5.63E-03	1.02E-01	4.95E-03	5.69E-07	1.54E-13	1.13E-26	8.24E-40	0.	0.	0.	0.
AG111	2.00E-09	5.53E-02	5.31E-02	4.04E-02	2.55E-02	1.01E-02	4.01E-03	6.32E-04	6.21E-06	6.02E-10	5.83E-14
PD112	3.60E-01	1.64E-01	7.40E-02	6.88E-03	1.31E-04	4.74E-08	1.72E-11	2.26E-18	1.43E-35	0.	0.
AG112	1.09E-05	1.90E-01	8.73E-02	8.11E-03	1.55E-04	5.60E-08	2.03E-11	2.68E-18	1.68E-35	0.	0.
AG113	2.84E-03	3.00E-02	1.30E-03	1.05E-07	1.61E-14	3.77E-28	8.81E-42	0.	0.	0.	0.
CD115M	7.02E-09	2.03E-04	2.00E-04	1.90E-04	1.76E-04	1.49E-04	1.27E-04	9.20E-05	4.11E-05	8.18E-06	1.64E-06
CD115	2.71E-06	4.08E-02	2.99E-02	1.18E-02	2.49E-03	1.11E-04	4.95E-06	9.88E-09	1.74E-15	5.46E-29	1.71E-42
IN115M	3.38E-11	4.31E-02	3.26E-02	1.29E-02	2.71E-03	1.21E-04	5.40E-06	1.08E-08	1.91E-15	5.97E-29	1.87E-42
CD117	5.97E-02	1.30E-03	1.27E-06	1.18E-15	1.05E-30	0.	0.	0.	0.	0.	0.
IN117M	2.87E-06	5.40E-03	6.25E-06	6.03E-15	5.36E-30	0.	0.	0.	0.	0.	0.
IN117	1.15E-10	3.56E-03	4.22E-06	4.08E-15	3.62E-30	0.	0.	0.	0.	0.	0.
SN121	1.22E-03	6.98E-02	3.77E-02	5.94E-03	2.72E-04	5.75E-07	1.21E-09	5.40E-15	2.25E-28	0.	0.
SN123	6.80E-06	7.11E-04	7.05E-04	6.93E-04	6.74E-04	6.36E-04	6.04E-04	5.40E-04	4.09E-04	2.35E-04	1.35E-04
SN125	1.96E-02	1.82E-02	1.69E-02	1.36E-02	9.37E-03	4.49E-03	2.15E-03	4.91E-04	1.23E-05	7.73E-09	4.84E-12
SB125	1.18E-04	1.31E-04	1.43E-04	1.75E-04	2.14E-04	2.59E-04	2.79E-04	2.91E-04	2.85E-04	2.66E-04	2.48E-04
SB126	3.57E-03	3.38E-03	3.20E-03	2.71E-03	2.05E-03	1.18E-03	6.78E-04	2.23E-04	1.40E-05	6.78E-08	1.36E-08

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	4.14E+00	1.50E-03	5.45E-07	2.60E-17	1.63E-34	0.	0.	0.	0.	0.	0.
SB127	4.83E-02	1.98E-01	1.66E-01	9.68E-02	3.97E-02	6.63E-03	1.11E-03	3.10E-05	4.04E-09	6.90E-17	1.17E-24
TE127M	3.91E-10	3.02E-04	5.54E-04	1.07E-03	1.49E-03	1.64E-03	1.58E-03	1.40E-03	1.02E-03	5.39E-04	2.85E-04
TE127	2.73E-02	1.42E-01	1.39E-01	8.49E-02	3.59E-02	7.36E-03	2.52E-03	1.41E-03	1.01E-03	5.33E-04	2.82E-04
SB128	1.18E+00	2.01E-01	3.18E-02	1.24E-04	1.20E-08	1.13E-16	1.06E-24	9.36E-41	0.	0.	0.
SB129	6.43E+00	3.29E-01	6.87E-03	6.25E-08	2.49E-16	3.93E-33	6.20E-50	0.	0.	0.	0.
TE129M	1.21E-07	1.28E-02	1.28E-02	1.21E-02	1.09E-02	8.89E-03	7.23E-03	4.82E-03	1.74E-03	2.26E-04	2.94E-05
TE129	4.63E+00	3.85E-01	1.61E-02	7.74E-03	6.98E-03	5.69E-03	4.64E-03	3.09E-03	1.11E-03	1.45E-04	1.89E-05
I130	3.13E-02	8.18E-03	2.14E-03	3.82E-05	4.67E-08	6.96E-14	1.04E-19	2.31E-31	0.	0.	0.
TE131M	1.20E-04	4.20E-01	2.41E-01	4.56E-02	2.85E-03	1.11E-05	4.36E-08	6.65E-13	6.04E-25	0.	0.
TE131	1.11E+02	7.66E-02	4.40E-02	8.35E-03	5.21E-04	2.04E-06	7.94E-09	1.22E-13	1.11E-25	0.	0.
I131	1.61E-02	8.67E-01	8.19E-01	6.58E-01	4.33E-01	1.83E-01	7.74E-02	1.38E-02	1.87E-04	3.40E-08	6.20E-12
XE131M	4.36E-11	4.01E-04	7.62E-04	1.59E-03	2.27E-03	2.25E-03	1.67E-03	6.89E-04	4.60E-05	1.38E-07	3.88E-10
TE132	1.17E+00	2.32E+00	1.87E+00	9.86E-01	3.40E-01	4.03E-02	4.77E-03	6.70E-05	1.57E-09	8.58E-19	4.68E-28
I132	2.87E+00	2.39E+00	1.93E+00	1.01E+00	3.50E-01	4.15E-02	4.91E-03	6.91E-05	1.62E-09	8.79E-19	4.82E-28
I133	1.22E+00	6.79E+00	3.06E+00	2.84E-01	5.42E-03	1.96E-06	7.12E-10	9.38E-17	5.90E-34	0.	0.
XE133M	5.18E-08	6.41E-02	7.59E-02	4.45E-02	1.04E-02	4.90E-04	2.28E-05	4.95E-08	1.08E-14	5.18E-28	2.48E-41
XE133	9.05E-07	1.23E+00	1.65E+00	1.48E+00	8.05E-01	2.18E-01	5.85E-02	4.21E-03	5.87E-06	1.14E-11	2.21E-17
I135	2.06E+01	3.36E+00	2.80E-01	1.63E-04	6.62E-10	1.09E-20	1.80E-31	4.88E-53	0.	0.	0.
XE135M	2.27E-03	1.05E+00	8.74E-02	5.09E-05	2.07E-10	3.40E-21	5.61E-32	1.52E-53	0.	0.	0.
XE135	2.37E+00	9.04E+00	2.21E+00	1.26E-02	1.55E-06	2.17E-14	3.05E-22	6.03E-38	0.	0.	0.
CS136	1.55E-02	1.47E-02	1.39E-02	1.18E-02	9.08E-03	5.33E-03	3.13E-03	1.08E-03	7.48E-05	3.60E-07	1.75E-09
CS137	1.04E-04	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.11E-03	1.10E-03
BA137M	2.19E-07	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.04E-03	1.03E-03	1.03E-03
BA139	1.45E+01	1.54E-03	9.11E-09	1.88E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.09E-01	6.45E-01	6.14E-01	5.20E-01	3.97E-01	2.31E-01	1.34E-01	4.55E-02	3.04E-03	1.35E-05	5.98E-08
LA140	2.60E-07	2.25E-01	3.61E-01	5.00E-01	4.44E-01	2.66E-01	1.54E-01	5.25E-02	3.49E-03	1.55E-05	6.92E-08
LA141	1.43E+00	5.66E-01	7.94E-03	2.20E-08	1.20E-17	3.59E-36	1.07E-54	0.	0.	0.	0.
CE141	1.76E-07	1.96E-01	1.94E-01	1.82E-01	1.64E-01	1.32E-01	1.07E-01	6.95E-02	2.39E-02	2.81E-03	3.31E-04
LA142	6.41E+00	1.41E-03	2.72E-08	2.00E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.97E-02	1.63E+00	9.86E-01	2.17E-01	1.75E-02	1.13E-04	7.31E-07	3.06E-11	3.46E-22	0.	0.
PR143	1.16E-08	1.04E-01	1.62E-01	2.10E-01	1.80E-01	1.09E-01	6.81E-02	2.39E-02	1.91E-03	1.21E-05	7.70E-08
CE144	1.53E-03	1.09E-02	1.09E-02	1.08E-02	1.07E-02	1.04E-02	1.02E-02	9.70E-03	8.58E-03	6.72E-03	5.28E-03
PR144	4.20E-07	1.09E-02	1.09E-02	1.08E-02	1.07E-02	1.04E-02	1.02E-02	9.70E-03	8.58E-03	6.72E-03	5.28E-03
PR145	6.48E-02	6.63E-01	4.10E-02	9.72E-06	8.86E-12	7.34E-24	6.09E-36	0.	0.	0.	0.
ND147	8.22E-06	1.38E-01	1.30E-01	1.08E-01	7.88E-02	4.23E-02	2.26E-02	6.49E-03	2.85E-04	5.55E-07	1.08E-09
PM147	2.28E-14	1.03E-04	2.00E-04	4.57E-04	7.90E-04	1.21E-03	1.43E-03	1.59E-03	1.60E-03	1.49E-03	1.39E-03
ND149	1.32E+01	1.27E-03	1.23E-07	1.12E-19	9.61E-40	0.	0.	0.	0.	0.	0.
PM149	1.83E-03	3.38E-01	2.48E-01	9.68E-02	2.02E-02	8.81E-04	3.83E-05	7.29E-08	1.15E-14	2.84E-28	7.07E-42
PM150	1.60E-01	3.37E-04	7.09E-07	6.66E-15	2.79E-28	0.	0.	0.	0.	0.	0.

LITTLE FELLER I MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	3.82E-02	2.60E-01	1.44E-01	2.42E-02	1.24E-03	3.25E-06	8.58E-09	5.91E-14	7.42E-27	0.	0.	0.
SM153	1.38E-01	9.72E-02	6.83E-02	2.36E-02	4.01E-03	1.17E-04	3.39E-06	2.84E-09	5.87E-17	2.50E-32	1.06E-47	0.
SM156	1.83E-01	3.11E-02	5.31E-03	2.62E-05	3.77E-09	7.75E-17	1.60E-24	6.81E-40	0.	0.	0.	0.
EU155	6.81E-06	2.31E-04	2.30E-04	2.30E-04	2.30E-04	2.29E-04	2.28E-04	2.26E-04	2.22E-04	2.13E-04	2.05E-04	2.05E-04
EU156	5.34E-04	4.35E-03	4.82E-03	4.32E-03	3.43E-03	2.15E-03	1.36E-03	5.39E-04	5.34E-05	5.26E-07	5.18E-09	0.
EU157	2.95E-02	3.40E-02	1.15E-02	4.30E-04	1.80E-06	3.18E-11	5.63E-16	1.75E-25	0.	0.	0.	0.
GD159	6.48E-03	1.28E-02	5.07E-03	3.16E-04	3.11E-06	3.02E-10	2.92E-14	2.74E-22	2.34E-42	0.	0.	0.
TB161	8.84E-05	5.78E-04	5.21E-04	3.86E-04	2.34E-04	8.55E-05	3.13E-05	4.19E-06	2.77E-08	1.20E-12	5.21E-17	0.
TOTAL	3.07E+02	5.84E+01	2.52E+01	9.27E+00	4.52E+00	2.02E+00	1.26E+00	6.93E-01	2.95E-01	1.03E-01	5.30E-02	0.

LITTLE FELLER J MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 3.571E-10

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	8.48E-06	7.33E-08	6.81E-09	6.32E-10	5.09E-13	4.07E-16	3.05E-20	1.95E-26	0.	0.	0.
MN 54	1.22E-05	5.26E-06	3.47E-06	2.28E-06	6.51E-07	1.86E-07	3.50E-08	2.86E-09	6.72E-13	2.43E-18	8.79E-24
FE 59	7.86E-06	2.84E-08	1.70E-09	1.02E-10	2.22E-14	4.80E-18	6.26E-23	2.93E-30	0.	0.	0.
CO 57	6.94E-07	2.74E-07	1.71E-07	1.07E-07	2.65E-08	6.53E-09	1.01E-10	6.12E-11	5.35E-15	4.39E-21	0.
CO 58	1.57E-04	4.51E-06	7.65E-07	1.30E-07	6.32E-10	3.07E-12	2.54E-15	6.02E-20	2.30E-35	0.	0.
CO 60	4.34E-06	3.80E-06	3.55E-06	3.32E-06	2.73E-06	2.24E-06	1.72E-06	1.16E-06	3.11E-07	4.32E-08	5.96E-09
W1 81	2.92E-05	3.60E-06	1.27E-06	4.44E-07	1.93E-07	8.36E-10	1.27E-11	2.38E-14	1.96E-23	0.	0.
W1 85	2.23E-05	7.67E-07	1.42E-07	2.63E-08	1.67E-10	1.07E-12	1.26E-15	5.10E-20	0.	0.	0.
W1 88	2.74E-07	7.13E-09	1.16E-09	1.86E-10	7.84E-13	3.28E-15	2.22E-18	3.93E-23	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.27E-03	1.06E-11	1.04E-11	1.01E-11	9.44E-12	8.76E-12	7.97E-12	6.91E-12	4.30E-12	2.11E-12	1.04E-12
AM241	9.81E-03	9.81E-08	9.81E-08	9.81E-08	9.86E-08	9.90E-08	9.90E-08	9.95E-08	1.00E-07	9.90E-08	9.76E-08
CM242	1.04E-05	2.21E-06	1.01E-06	4.67E-07	4.55E-08	4.43E-09	1.99E-10	1.88E-12	5.40E-17	5.03E-17	4.70E-17
KR 85	3.79E-06	9.42E-05	9.13E-05	8.84E-05	8.05E-05	7.27E-05	6.39E-05	5.27E-05	2.79E-05	1.06E-05	4.07E-06
SR 89	3.25E-06	7.60E-04	6.65E-05	5.84E-06	3.93E-09	2.66E-12	1.57E-16	7.13E-23	5.18E-44	0.	0.
SR 90	6.47E-06	6.47E-04	6.41E-04	6.35E-04	6.12E-04	5.88E-04	5.60E-04	5.20E-04	4.06E-04	2.80E-04	1.94E-04
Y 90	9.58E-12	6.47E-04	6.41E-04	6.35E-04	6.12E-04	5.88E-04	5.60E-04	5.20E-04	4.06E-04	2.80E-04	1.94E-04
Y 91	2.12E-09	1.43E-03	1.66E-04	1.93E-05	3.03E-08	4.75E-11	8.70E-15	2.14E-20	4.31E-39	0.	0.
ZR 95	5.04E-04	1.30E-03	1.85E-04	2.63E-05	7.68E-08	2.23E-10	9.25E-14	7.81E-19	9.56E-36	0.	0.
NB 95M	1.07E-11	2.74E-05	3.92E-06	5.60E-07	1.63E-09	4.73E-12	1.96E-15	1.65E-20	2.03E-37	0.	0.
NB 95	5.62E-11	2.79E-03	4.00E-04	5.71E-05	1.65E-07	4.80E-10	2.00E-13	1.69E-18	2.07E-35	0.	0.
RU103	1.17E-04	4.55E-04	1.86E-05	7.66E-07	5.22E-11	3.58E-15	1.01E-20	4.73E-29	0.	0.	0.
RH103M	7.81E-09	4.56E-04	1.86E-05	7.66E-07	5.23E-11	3.59E-15	1.01E-20	4.74E-29	0.	0.	0.
RU106	9.45E-04	8.99E-03	6.36E-03	4.51E-03	1.60E-03	5.69E-04	1.43E-04	1.81E-05	1.83E-08	5.88E-13	1.89E-17
RH106	1.02E-05	8.99E-03	6.36E-03	4.51E-03	1.60E-03	5.69E-04	1.43E-04	1.81E-05	1.83E-08	5.88E-13	1.89E-17
SN123	6.80E-06	9.42E-05	3.42E-05	1.24E-05	5.95E-07	2.86E-08	4.98E-10	1.15E-12	1.84E-21	1.19E-34	7.61E-48
SB125	1.18E-04	2.37E-04	2.08E-04	1.83E-04	1.29E-04	8.50E-05	5.08E-05	2.35E-05	1.81E-06	3.84E-08	8.19E-10
TE125M	3.17E-12	9.68E-05	8.60E-05	7.58E-05	5.17E-05	3.52E-05	2.10E-05	9.73E-06	7.47E-07	1.59E-08	3.39E-10
TE127M	3.91E-10	1.87E-04	5.85E-05	1.83E-05	5.63E-07	1.73E-08	1.67E-10	1.57E-13	1.29E-23	9.62E-39	7.16E-54
TE127	2.73E-02	1.85E-04	5.78E-05	1.81E-05	5.57E-07	1.71E-08	1.65E-10	1.55E-13	1.27E-23	9.49E-39	7.10E-54
CS137	1.04E-04	1.10E-03	1.08E-03	1.07E-03	1.03E-03	9.97E-04	9.53E-04	8.91E-04	7.04E-04	5.00E-04	3.53E-04
BA137M	2.19E-07	1.03E-03	1.02E-03	1.00E-03	9.66E-04	9.34E-04	8.91E-04	8.35E-04	6.60E-04	4.67E-04	3.31E-04
CE141	1.76E-07	7.61E-05	1.53E-06	3.07E-08	2.50E-13	2.04E-18	3.34E-25	2.22E-35	0.	0.	0.
CE144	1.53E-03	4.50E-03	2.89E-03	1.84E-03	4.84E-04	1.27E-04	2.14E-05	1.48E-06	1.99E-10	3.12E-16	4.86E-22
PR144	4.20E-07	4.50E-03	2.89E-03	1.84E-03	4.84E-04	1.27E-04	2.14E-05	1.48E-06	1.99E-10	3.12E-16	4.86E-22
PM147	2.28E-14	1.33E-03	1.16E-03	1.02E-03	6.83E-04	4.60E-04	2.70E-04	1.23E-04	8.71E-06	1.65E-07	3.11E-09
EU155	6.81E-06	1.99E-04	1.85E-04	1.72E-04	1.39E-04	1.11E-04	8.31E-05	5.37E-05	1.25E-05	1.41E-06	1.59E-07
TOTAL	3.51E-02	4.01E-02	2.46E-02	1.78E-02	8.48E-03	5.27E-03	3.78E-03	3.07E-03	2.23E-03	1.54E-03	1.08E-03

APPENDIX F
DETAILED RESULTS FOR EVENT SULKY

SULKY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	7.79E+01	9.56E+03
1.00E+00	2.62E+01	2.02E+03
2.00E+00	1.07E+01	7.37E+02
3.00E+00	5.80E+00	4.26E+02
4.00E+00	3.70E+00	3.06E+02
6.00E+00	2.06E+00	2.05E+02
9.00E+00	1.31E+00	1.43E+02
1.20E+01	1.00E+00	1.11E+02
1.50E+01	8.10E-01	9.07E+01
1.80E+01	6.76E-01	7.66E+01
2.10E+01	5.73E-01	6.62E+01
1.00E+00 DAYS	4.89E-01	5.75E+01
2.00E+00	2.08E-01	2.83E+01
5.00E+00	6.68E-02	1.06E+01
1.00E+01	2.94E-02	4.16E+00
2.00E+01	1.14E-02	1.48E+00
3.00E+01	6.49E-03	8.91E-01
5.00E+01	2.94E-03	4.89E-01
1.00E+02	9.79E-04	2.10E-01
2.00E+02	3.32E-04	7.13E-02
3.00E+02	1.29E-04	3.30E-02
1.00E+00 YEARS	7.45E-05	2.30E-02
1.50E+00	2.37E-05	1.27E-02
2.00E+00	1.45E-05	9.09E-03
3.50E+00	9.75E-06	4.96E-03
5.00E+00	8.22E-06	3.61E-03
7.00E+00	7.22E-06	2.94E-03
1.00E+01	6.36E-06	2.54E-03
2.00E+01	4.66E-06	1.88E-03
3.50E+01	3.21E-06	1.30E-03
5.00E+01	2.25E-06	9.05E-04

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*NA 24	7.98E+00	7.63E+00	7.29E+00	6.95E+00	6.63E+00	6.05E+00	5.27E+00	4.59E+00	4.00E+00	3.48E+00	3.02E+00
*MN 54	6.05E-06	6.05E-06	6.05E-06	6.05E-06	6.05E-06	6.05E-06	6.05E-06	5.99E-06	5.99E-06	5.99E-06	5.99E-06
*FE 55	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04	2.14E-04
*FE 59	1.19E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.17E-04	1.17E-04
*CO 57	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05
*CO 58	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.51E-02	2.51E-02	2.50E-02	2.50E-02	2.50E-02	2.50E-02	2.49E-02
*CO 60	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W187	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W188	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU198	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*PB203	6.38E-04	6.29E-04	6.20E-04	6.11E-04	6.02E-04	5.89E-04	5.66E-04	5.44E-04	5.22E-04	5.00E-04	4.82E-04
U237	4.97E-02	4.95E-02	4.92E-02	4.90E-02	4.88E-02	4.84E-02	4.77E-02	4.72E-02	4.66E-02	4.59E-02	4.54E-02
U239	2.73E+03	4.65E+02	7.94E+01	1.35E+01	2.30E+00	6.69E-02	3.32E-04	1.64E-06	8.10E-09	4.01E-11	1.98E-13
U240	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	9.34E-03	1.57E+01	1.81E+01	1.84E+01	1.82E+01	1.78E+01	1.71E+01	1.65E+01	1.59E+01	1.54E+01	1.48E+01
NP240M	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP240	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GE 75	5.97E-06	2.89E-02	1.74E-02	1.05E-02	6.32E-03	2.29E-03	5.00E-04	1.10E-04	2.39E-05	5.21E-06	1.14E-06
GE 77	3.56E-03	9.17E-03	8.63E-03	8.12E-03	7.64E-03	6.76E-03	5.62E-03	4.67E-03	3.89E-03	3.23E-03	2.69E-03
AS 77	3.68E-05	5.82E-03	5.89E-03	5.92E-03	5.96E-03	6.00E-03	6.00E-03	5.96E-03	5.87E-03	5.75E-03	5.61E-03
SE 77M	1.45E-09	1.74E-05	1.77E-05	1.78E-05	1.78E-05	1.79E-05	1.81E-05	1.79E-05	1.77E-05	1.73E-05	1.68E-05
GE 78	5.33E-01	3.33E-01	2.07E-01	1.30E-01	8.09E-02	3.15E-02	7.65E-03	1.85E-03	4.52E-04	1.10E-04	2.67E-05
AS 78	9.59E-03	1.59E-01	1.96E-01	1.84E-01	1.54E-01	9.07E-02	3.37E-02	1.12E-02	3.46E-03	1.04E-03	3.00E-04
AS 79	1.11E+01	1.09E-01	1.08E-03	1.06E-05	1.04E-07	1.01E-11	9.65E-18	9.21E-24	8.78E-30	8.39E-36	8.01E-42
SE 79M	1.64E-02	1.93E-01	1.90E-03	1.88E-05	1.85E-07	1.78E-11	1.70E-17	1.63E-23	1.55E-29	1.48E-35	1.41E-41
BR 80	7.30E-02	6.88E-03	6.47E-04	6.08E-05	5.73E-06	5.08E-08	4.25E-11	3.54E-14	2.95E-17	2.47E-20	2.06E-23
SE 81M	6.13E-02	2.86E+00	1.38E+00	6.64E-01	3.19E-01	7.46E-02	8.34E-03	9.35E-04	1.05E-04	1.18E-05	1.32E-06
SE 81	7.49E-01	3.38E+00	1.96E+00	9.76E-01	4.74E-01	1.11E-01	1.24E-02	1.39E-03	1.55E-04	1.74E-05	1.95E-06
BR 82	3.93E-04	3.86E-04	3.78E-04	3.71E-04	3.64E-04	3.50E-04	3.30E-04	3.11E-04	2.93E-04	2.76E-04	2.61E-04
SE 83	3.66E+01	6.94E+00	1.31E+00	2.49E-01	4.71E-02	1.70E-03	1.15E-05	7.84E-08	5.35E-10	3.63E-12	2.30E-14
BR 83	3.04E-01	4.54E+00	4.20E+00	3.31E+00	2.51E+00	1.42E+00	5.99E-01	2.52E-01	1.07E-01	4.50E-02	1.90E-02
KR 83M	1.57E-05	1.03E+00	2.10E+00	2.61E+00	2.69E+00	2.24E+00	1.32E+00	6.81E-01	3.28E-01	1.52E-01	6.81E-02

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	7.89E-02	1.36E+01	3.68E+00	9.96E-01	2.69E-01	1.97E-02	3.89E-04	7.68E-06	1.52E-07	3.00E-09	5.93E-11	
KR 85M	3.96E-03	8.50E+00	7.23E+00	6.18E+00	5.28E+00	3.85E+00	2.40E+00	1.50E+00	9.34E-01	5.81E-01	3.63E-01	
KR 87	6.74E+01	3.89E+01	2.25E+01	1.30E+01	7.51E+00	2.52E+00	4.89E-01	9.47E-02	1.83E-02	3.55E-03	6.86E-04	
KR 88	3.88E+01	3.03E+01	2.36E+01	1.84E+01	1.44E+01	8.75E+00	4.18E+00	1.99E+00	9.46E-01	4.51E-01	2.14E-01	
RB 88	9.86E+00	3.06E+01	2.61E+01	2.06E+01	1.61E+01	9.81E+00	4.68E+00	2.23E+00	1.06E+00	5.05E-01	2.40E-01	
RB 89	4.64E+01	4.36E+01	2.93E+00	1.97E-01	1.32E-02	5.97E-05	1.81E-08	5.45E-12	1.66E-15	5.03E-19	1.53E-22	
SR 89	3.55E-06	1.25E-01	1.33E-01	1.33E-01	1.33E-01	1.33E-01	1.33E-01	1.33E-01	1.32E-01	1.32E-01	1.32E-01	
SR 90	7.18E-06	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	
SR 91	8.10E-01	1.51E+01	1.41E+01	1.31E+01	1.22E+01	1.05E+01	8.50E+00	6.87E+00	5.55E+00	4.46E+00	3.59E+00	
Y 91M	5.45E-05	5.19E+00	7.08E+00	7.59E+00	7.48E+00	6.72E+00	5.50E+00	4.42E+00	3.57E+00	2.88E+00	2.32E+00	
Y 91	2.23E-08	4.62E-03	1.06E-02	1.70E-02	2.32E-02	3.48E-02	4.94E-02	6.11E-02	7.08E-02	7.84E-02	8.45E-02	
SR 92	4.80E+00	2.14E+01	1.66E+01	1.29E+01	9.95E+00	5.96E+00	2.77E+00	1.29E+00	5.96E-01	2.77E-01	1.29E-01	
Y 92	2.21E-01	4.51E+00	7.08E+00	8.41E+00	8.93E+00	8.50E+00	6.52E+00	4.44E+00	2.86E+00	1.76E+00	1.06E+00	
SR 93	1.87E+02	3.22E+00	1.78E-02	9.84E-05	5.42E-07	1.66E-11	2.80E-18	4.72E-25	7.96E-32	1.34E-38	2.26E-45	
Y 93	2.28E-01	7.39E+00	6.94E+00	6.49E+00	6.06E+00	5.30E+00	4.31E+00	3.52E+00	2.86E+00	2.35E+00	1.91E+00	
Y 94	2.70E+01	3.69E+01	4.75E+00	6.13E-01	7.91E-02	1.31E-03	2.82E-06	6.04E-09	1.29E-11	2.82E-14	1.56E-15	
Y 95	1.15E+02	1.08E+01	2.39E-01	5.26E-03	1.16E-04	5.62E-08	6.02E-13	6.44E-18	6.87E-23	7.35E-28	7.86E-33	
ZR 95	4.32E-04	5.64E-02	5.76E-02	5.76E-02	5.76E-02	5.76E-02	5.76E-02	5.76E-02	5.74E-02	5.72E-02	5.72E-02	
NB 95	4.81E-11	3.48E-05	8.12E-05	1.29E-04	1.74E-04	2.67E-04	4.05E-04	5.45E-04	6.82E-04	8.20E-04	9.56E-04	
ZR 97	1.01E+00	4.39E+00	4.20E+00	4.04E+00	3.87E+00	3.57E+00	3.16E+00	2.79E+00	2.48E+00	2.18E+00	1.94E+00	
NB 97M	5.18E-03	4.21E+00	4.04E+00	3.88E+00	3.73E+00	3.43E+00	3.03E+00	2.69E+00	2.38E+00	2.10E+00	1.86E+00	
NB 97	5.05E-01	2.20E+00	3.10E+00	3.54E+00	3.71E+00	3.69E+00	3.36E+00	3.00E+00	2.65E+00	2.34E+00	2.08E+00	
NB 98	5.63E+00	2.49E+00	1.10E+00	4.87E-01	2.16E-01	4.23E-02	3.65E-03	3.16E-04	2.75E-05	2.38E-06	2.05E-07	
MO 99	2.92E-03	1.21E+00	1.19E+00	1.18E+00	1.17E+00	1.14E+00	1.11E+00	1.08E+00	1.04E+00	1.01E+00	9.80E-01	
TC 99M	2.72E-08	1.15E-01	2.16E-01	3.05E-01	3.83E-01	5.12E-01	6.49E-01	7.37E-01	7.91E-01	8.20E-01	8.33E-01	
MO 101	9.79E+01	4.42E+01	2.57E+00	1.49E-01	8.63E-03	2.89E-05	5.62E-09	1.09E-12	2.13E-16	4.13E-20	8.06E-24	
TC 101	4.13E+00	1.24E+02	1.36E+01	1.11E+00	8.10E-02	3.65E-04	9.13E-08	2.05E-11	4.34E-15	8.92E-19	1.81E-22	
MO 102	7.55E+02	1.72E+01	3.92E-01	8.96E-03	2.04E-04	1.06E-07	1.26E-12	1.50E-17	1.77E-22	2.10E-27	2.50E-32	
TC 102M	4.86E-01	1.46E+01	3.34E-01	7.63E-03	1.74E-04	8.99E-08	1.07E-12	1.27E-17	1.50E-22	1.78E-27	2.11E-32	
TC 102	2.27E+03	8.67E+00	1.98E-01	4.50E-03	1.03E-04	5.36E-08	6.37E-13	7.55E-18	8.96E-23	1.06E-27	1.26E-32	
RU 103	4.87E-05	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.12E-01	1.12E-01	1.12E-01	1.12E-01	1.11E-01	1.11E-01	
RH 103M	3.25E-09	5.84E-02	8.65E-02	1.00E-01	1.07E-01	1.11E-01	1.12E-01	1.12E-01	1.12E-01	1.12E-01	1.11E-01	
TC 104	3.88E+01	2.79E+01	2.79E+00	2.76E-01	2.73E-02	2.69E-04	2.62E-07	2.56E-10	2.50E-13	2.45E-16	2.39E-19	
RU 105	2.60E-01	9.00E+00	7.69E+00	6.59E+00	5.64E+00	4.12E+00	2.58E+00	1.61E+00	1.01E+00	6.32E-01	3.97E-01	
RH 105M	1.71E-03	9.02E+00	7.71E+00	6.60E+00	5.64E+00	4.14E+00	2.58E+00	1.62E+00	1.01E+00	6.34E-01	3.97E-01	
RH 105	2.81E-09	1.83E-01	3.40E-01	4.69E-01	5.77E-01	7.38E-01	8.83E-01	9.49E-01	9.68E-01	9.58E-01	9.34E-01	
RU 106	1.95E-04	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	
RH 106	2.11E-06	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	3.69E-03	
RH 107	2.30E-02	3.13E+00	4.75E-01	7.14E-02	1.08E-02	2.46E-04	8.46E-07	2.92E-09	1.00E-11	3.44E-147	3.42E-18	
PD 107M	4.79E-05	6.37E-01	9.62E-02	1.45E-02	2.19E-03	5.00E-05	1.72E-07	5.94E-10	2.04E-12	7.05E-15	2.41E-17	

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.45E-03	1.21E-01	1.15E-01	1.09E-01	1.03E-01	9.31E-02	8.00E-02	6.86E-02	5.88E-02	5.04E-02	4.33E-02
AG109M	8.39E-06	1.21E-01	1.15E-01	1.09E-01	1.03E-01	9.34E-02	8.00E-02	6.86E-02	5.88E-02	5.04E-02	4.33E-02
PD111M	2.31E-01	2.04E-01	1.79E-01	1.59E-01	1.40E-01	1.09E-01	7.44E-02	5.10E-02	3.49E-02	2.39E-02	1.64E-02
PD111	8.23E-02	1.48E-01	1.42E-01	1.27E-01	1.12E-01	8.71E-02	5.98E-02	4.10E-02	2.80E-02	1.92E-02	1.32E-02
AG111M	6.54E-04	2.00E-01	1.88E-01	1.68E-01	1.48E-01	1.15E-01	7.84E-02	5.38E-02	3.68E-02	2.53E-02	1.73E-02
AG111	2.33E-10	6.90E-04	1.45E-03	2.13E-03	2.74E-03	3.73E-03	4.79E-03	5.49E-03	5.94E-03	6.23E-03	6.40E-03
PD112	5.05E-02	4.89E-02	4.72E-02	4.57E-02	4.43E-02	4.14E-02	3.75E-02	3.40E-02	3.08E-02	2.78E-02	2.52E-02
AG112	1.52E-06	9.67E-03	1.71E-02	2.29E-02	2.72E-02	3.26E-02	3.58E-02	3.57E-02	3.40E-02	3.17E-02	2.92E-02
AG113	6.90E-04	1.48E-01	1.29E-01	1.14E-01	9.96E-02	7.66E-02	5.19E-02	3.50E-02	2.36E-02	1.60E-02	1.08E-02
AG115	3.12E-01	3.34E-01	4.15E-02	5.19E-03	6.50E-04	1.02E-05	1.99E-08	3.88E-11	7.52E-14	7.47E-16	6.92E-17
CD115M	2.55E-09	6.77E-05	7.61E-05	7.71E-05	7.71E-05	7.71E-05	7.69E-05	7.69E-05	7.66E-05	7.64E-05	7.64E-05
CD115	9.84E-07	1.85E-02	2.00E-02	1.99E-02	1.97E-02	1.92E-02	1.84E-02	1.77E-02	1.71E-02	1.64E-02	1.58E-02
IN115M	1.23E-11	2.05E-03	4.55E-03	6.75E-03	8.60E-03	1.15E-02	1.42E-02	1.56E-02	1.63E-02	1.64E-02	1.63E-02
CD117	2.21E-02	3.69E-01	2.78E-01	2.07E-01	1.55E-01	8.72E-02	3.66E-02	1.54E-02	6.49E-03	2.73E-03	1.15E-03
IN117M	1.06E-06	1.28E-01	1.86E-01	2.01E-01	1.95E-01	1.53E-01	8.77E-02	4.49E-02	2.16E-02	9.99E-03	4.52E-03
IN117	4.28E-11	2.34E-02	5.66E-02	7.86E-02	8.77E-02	8.07E-02	5.14E-02	2.75E-02	1.37E-02	6.44E-03	2.96E-03
CD118	1.48E+00	6.36E-01	2.73E-01	1.16E-01	4.98E-02	9.11E-03	7.15E-04	5.59E-05	4.40E-06	3.44E-07	2.70E-08
IN118	9.83E-02	6.36E-01	2.73E-01	1.17E-01	4.98E-02	9.14E-03	7.15E-04	5.61E-05	4.40E-06	3.44E-07	2.70E-08
CD119	3.68E+00	5.74E-02	8.96E-04	1.40E-05	2.19E-07	5.36E-11	2.04E-16	7.81E-22	2.97E-27	1.14E-32	4.34E-38
IN119M	5.55E-03	6.21E-01	6.76E-02	6.82E-03	6.79E-04	6.68E-06	6.51E-09	6.38E-12	6.21E-15	6.07E-18	5.94E-21
IN119	2.74E-01	3.27E-02	3.79E-03	3.85E-04	3.85E-05	3.77E-07	3.68E-10	3.60E-13	3.52E-16	3.44E-19	3.35E-22
SN121	4.48E-04	4.61E-02	4.48E-02	4.37E-02	4.27E-02	4.06E-02	3.74E-02	3.48E-02	3.21E-02	2.98E-02	2.77E-02
SN123M	2.46E-01	4.60E-01	1.63E-01	5.77E-02	2.04E-02	2.54E-03	1.13E-04	4.98E-06	2.20E-07	9.73E-09	4.30E-10
SN123	2.31E-06	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04
SN125	6.48E-03	6.46E-03	6.44E-03	6.43E-03	6.43E-03	6.39E-03	6.36E-03	6.31E-03	6.24E-03	6.19E-03	6.07E-03
SB125	3.89E-05	3.91E-05	3.92E-05	3.94E-05	3.96E-05	3.99E-05	4.06E-05	4.11E-05	4.16E-05	4.21E-05	4.26E-05
SB126	1.29E-03	1.28E-03	1.28E-03	1.28E-03	1.27E-03	1.27E-03	1.26E-03	1.25E-03	1.24E-03	1.23E-03	1.22E-03
SN127	2.34E+00	1.68E+00	1.20E+00	8.68E-01	6.25E-01	3.22E-01	1.20E-01	4.45E-02	1.65E-02	6.14E-03	2.28E-03
SB127	2.72E-02	9.39E-02	1.04E-01	1.11E-01	1.16E-01	1.20E-01	1.22E-01	1.21E-01	1.19E-01	1.17E-01	1.15E-01
TE127	1.54E-02	1.92E-02	2.33E-02	2.76E-02	3.19E-02	4.00E-02	5.13E-02	5.99E-02	6.66E-02	7.18E-02	7.52E-02
SN128	1.55E+01	7.67E+00	3.80E+00	1.88E+00	9.28E-01	2.26E-01	2.73E-02	3.30E-03	3.98E-04	4.82E-05	5.81E-06
SB128M	7.92E-03	8.74E+00	4.54E+00	2.24E+00	1.11E+00	2.71E-01	3.26E-02	3.93E-03	4.74E-04	5.79E-05	6.93E-06
SB128	6.56E+01	6.31E-01	5.94E-01	5.57E-01	5.20E-01	4.45E-01	3.55E-01	2.82E-01	2.24E-01	1.78E-01	1.41E-01
SN129M	1.02E+01	5.09E+00	2.56E+00	1.28E+00	6.39E-01	1.60E-01	2.00E-02	2.50E-03	3.12E-04	3.90E-05	4.88E-06
SN129	6.82E+01	6.69E-01	6.60E-03	6.52E-05	6.39E-07	6.22E-11	5.91E-17	5.65E-23	5.40E-29	5.14E-35	4.92E-41
SB129	3.84E+00	6.43E+00	6.04E+00	5.40E+00	4.75E+00	3.53E+00	2.20E+00	1.36E+00	8.37E-01	5.18E-01	3.19E-01
TE129M	7.25E-08	8.03E-04	1.65E-03	2.43E-03	3.12E-03	4.23E-03	5.35E-03	6.04E-03	6.47E-03	6.73E-03	6.91E-03
TE129	2.76E+00	3.80E+00	4.45E+00	4.62E+00	4.45E+00	3.68E+00	2.45E+00	1.55E+00	9.63E-01	5.96E-01	3.69E-01
SB130M	3.76E-01	7.09E-01	1.86E-03	4.89E-06	1.29E-08	8.88E-14	1.62E-21	2.94E-29	5.34E-37	9.69E-45	1.76E-52
SB130	6.44E+01	1.95E+01	5.54E+00	1.57E+00	4.44E-01	3.57E-02	8.15E-04	1.86E-05	4.24E-07	9.65E-09	2.20E-10

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	1.79E-02	1.69E-02	1.60E-02	1.52E-02	1.43E-02	1.28E-02	1.08E-02	9.16E-03	7.74E-03	6.56E-03	5.54E-03
SB131	1.51E+02	3.94E+01	6.44E+00	1.06E+00	1.73E-01	4.67E-03	2.06E-05	9.08E-08	4.00E-10	1.76E-12	8.79E-15
TE131M	7.25E-05	3.79E-01	4.33E-01	4.33E-01	4.25E-01	4.06E-01	3.79E-01	3.54E-01	3.30E-01	3.08E-01	2.87E-01
TE131	6.68E+01	7.25E+01	2.36E+01	6.15E+00	1.49E+00	1.40E-01	6.96E-02	6.44E-02	6.00E-02	5.62E-02	5.24E-02
I131	9.70E-03	3.36E-01	4.95E-01	5.43E-01	5.52E-01	5.57E-01	5.57E-01	5.52E-01	5.52E-01	5.48E-01	5.48E-01
TE132	8.12E-01	1.97E+00	1.95E+00	1.94E+00	1.92E+00	1.88E+00	1.84E+00	1.79E+00	1.74E+00	1.69E+00	1.65E+00
I132	1.99E+00	1.99E+00	1.98E+00	1.97E+00	1.96E+00	1.93E+00	1.89E+00	1.84E+00	1.79E+00	1.75E+00	1.70E+00
TE133M	1.00E-01	3.48E+01	1.51E+01	6.59E+00	2.87E+00	5.45E-01	4.48E-02	3.70E-03	3.05E-04	2.51E-05	2.07E-06
TE133	5.64E+02	3.20E+01	3.55E+00	1.18E+00	4.97E-01	9.41E-02	7.79E-03	6.40E-04	5.30E-05	4.36E-06	3.60E-07
I133	8.74E-01	9.41E+00	1.02E+01	1.02E+01	9.98E+00	9.46E+00	8.60E+00	7.79E+00	7.02E+00	6.40E+00	5.78E+00
XE133M	3.72E-08	2.12E-03	5.11E-03	8.17E-03	1.11E-02	1.67E-02	2.42E-02	3.07E-02	3.62E-02	4.09E-02	4.49E-02
XE133	6.50E-07	3.70E-02	8.98E-02	1.43E-01	1.97E-01	2.98E-01	4.37E-01	5.59E-01	6.69E-01	7.64E-01	8.50E-01
TE134	1.74E+02	8.08E+01	3.01E+01	1.12E+01	4.15E+00	5.75E-01	2.94E-02	1.51E-03	7.72E-05	3.96E-06	2.03E-07
I134	7.99E+01	1.07E+02	7.49E+01	4.39E+01	2.36E+01	5.98E+00	6.58E-01	6.71E-02	6.58E-03	6.30E-04	5.98E-05
I135	1.48E+01	2.60E+01	2.35E+01	2.11E+01	1.91E+01	1.55E+01	1.14E+01	8.32E+00	6.11E+00	4.50E+00	3.29E+00
XE135M	1.63E-03	7.51E+00	7.30E+00	6.62E+00	5.94E+00	4.84E+00	3.55E+00	2.60E+00	1.91E+00	1.40E+00	1.03E+00
XE135	1.70E+00	3.37E+00	4.92E+00	6.20E+00	7.22E+00	8.66E+00	9.59E+00	9.64E+00	9.17E+00	8.36E+00	7.47E+00
CS136	1.34E-03	1.34E-03	1.34E-03	1.34E-03	1.33E-03	1.33E-03	1.32E-03	1.31E-03	1.30E-03	1.29E-03	1.28E-03
CS137	7.14E-05	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04
BA137M	1.51E-07	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04
XE138	5.89E+02	5.07E+01	4.41E+00	3.82E-01	3.31E-02	2.48E-04	1.61E-07	1.05E-10	6.80E-14	4.42E-17	2.87E-20
CS138	8.77E+01	1.47E+02	5.11E+01	1.50E+01	4.21E+00	3.21E-01	6.67E-03	1.38E-04	2.87E-06	5.98E-08	1.24E-09
CS139	5.19E+02	1.66E+01	2.08E+01	2.61E-03	3.27E-05	5.14E-09	1.02E-14	2.02E-20	4.00E-26	7.94E-32	1.57E-37
BA139	9.59E+00	1.07E+02	6.59E+01	4.00E+01	2.42E+01	8.89E+00	1.97E+00	4.38E-01	9.73E-02	2.16E-02	4.79E-03
BA140	8.60E-02	5.37E-01	5.37E-01	5.33E-01	5.33E-01	5.29E-01	5.29E-01	5.24E-01	5.20E-01	5.16E-01	5.12E-01
LA140	2.04E-07	9.18E-03	1.82E-02	2.70E-02	3.56E-02	5.24E-02	7.66E-02	9.92E-02	1.20E-01	1.41E-01	1.59E-01
BA141	1.21E+02	3.64E+01	3.62E+00	3.59E-01	3.56E-02	3.53E-04	3.44E-07	3.36E-10	3.27E-13	3.21E-16	3.13E-19
LA141	1.11E+00	2.36E+01	2.20E+01	1.87E+01	1.56E+01	1.10E+01	6.43E+00	3.76E+00	2.21E+00	1.30E+00	7.60E-01
CE141	1.38E-07	1.53E-02	3.59E-02	5.39E-02	6.92E-02	9.27E-02	1.15E-01	1.28E-01	1.35E-01	1.40E-01	1.42E-01
BA142	2.13E+02	8.46E+00	1.93E-01	4.40E-03	1.00E-04	5.21E-08	6.18E-13	7.34E-18	8.71E-23	1.03E-27	1.23E-32
LA142	4.89E+00	3.39E+01	2.24E+01	1.42E+01	9.05E+00	3.66E+00	9.45E-01	2.43E-01	6.28E-02	1.62E-02	4.17E-03
LA143	8.31E+01	1.62E+01	8.31E-01	4.27E-02	2.19E-03	5.75E-06	7.75E-10	1.04E-13	1.41E-17	1.90E-21	2.56E-25
CE143	3.32E-02	2.12E+00	2.19E+00	2.14E+00	2.10E+00	2.02E+00	1.89E+00	1.78E+00	1.67E+00	1.56E+00	1.47E+00
PR143	9.71E-09	3.24E-03	7.82E-03	1.24E-02	1.68E-02	2.54E-02	3.75E-02	4.69E-02	5.94E-02	6.93E-02	7.64E-02
CE144	1.34E-03	9.60E-03	9.60E-03	9.60E-03	9.60E-03	9.60E-03	9.58E-03	9.58E-03	9.58E-03	9.58E-03	9.58E-03
PR144	3.68E-07	8.74E-03	9.52E-03	9.58E-03	9.60E-03	9.60E-03	9.60E-03	9.60E-03	9.58E-03	9.58E-03	9.58E-03
PR145	5.21E-02	7.66E+00	6.81E+00	6.06E+00	5.41E+00	4.29E+00	3.02E+00	2.13E+00	1.51E+00	1.07E+00	7.54E-01
CE146	1.46E+02	7.49E+00	3.84E-01	1.96E-02	1.01E-03	2.66E-06	3.58E-10	4.83E-14	6.50E-18	8.77E-22	1.18E-25
PR146	3.02E+00	2.63E+01	5.96E+00	1.12E+00	2.01E-01	6.33E-03	3.50E-05	1.93E-07	1.07E-09	5.91E-12	3.23E-14
PR147	1.71E+01	4.93E+00	1.54E-01	4.81E-03	1.51E-04	1.47E-07	4.48E-12	1.37E-16	4.18E-21	1.28E-25	3.89E-30

SULKY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	6.09E-06	1.15E-01	1.18E-01	1.18E-01	1.17E-01	1.17E-01	1.16E-01	1.15E-01	1.14E-01	1.13E-01	1.12E-01
ND149	7.89E+00	5.37E+00	3.65E+00	2.49E+00	1.69E+00	7.83E-01	2.46E-01	7.77E-02	2.45E-02	7.70E-03	2.43E-03
PM149	1.10E-03	8.59E-02	1.43E-01	1.80E-01	2.04E-01	2.30E-01	2.39E-01	2.34E-01	2.28E-01	2.19E-01	2.12E-01
PM150	8.74E-02	6.75E-02	5.23E-02	4.04E-02	3.12E-02	1.87E-02	8.67E-03	4.01E-03	1.86E-03	8.60E-04	3.98E-04
ND151	2.63E+01	8.23E-01	2.57E-02	8.04E-04	2.52E-05	2.46E-08	7.50E-13	2.29E-17	6.98E-22	2.13E-26	6.51E-31
PM151	1.67E-02	1.95E-01	1.96E-01	1.92E-01	1.87E-01	1.78E-01	1.65E-01	1.53E-01	1.42E-01	1.32E-01	1.22E-01
PM152	4.10E+01	4.01E-02	3.91E-05	3.82E-08	3.73E-11	3.56E-17	3.32E-26	3.09E-35	2.88E-44	2.69E-53	2.50E-62
SM153	5.18E-02	5.11E-02	5.04E-02	4.96E-02	4.89E-02	4.75E-02	4.54E-02	4.34E-02	4.16E-02	3.98E-02	3.81E-02
SM155	2.23E+00	3.66E-01	6.00E-02	9.82E-03	1.61E-03	4.33E-05	1.91E-07	8.41E-10	3.71E-12	1.65E-14	4.06E-17
EU155	1.64E-06	4.67E-05	5.41E-05	5.53E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05
SM156	2.61E-02	2.43E-02	2.25E-02	2.09E-02	1.94E-02	1.68E-02	1.34E-02	1.08E-02	8.65E-03	6.93E-03	5.54E-03
EU156	7.64E-05	1.25E-04	1.69E-04	2.11E-04	2.49E-04	3.18E-04	4.04E-04	4.68E-04	5.24E-04	5.65E-04	5.95E-04
EU157	4.86E-03	1.61E-02	1.54E-02	1.47E-02	1.40E-02	1.28E-02	1.12E-02	9.76E-03	8.50E-03	7.40E-03	6.45E-03
EU158	8.94E-02	3.62E-02	1.46E-02	5.93E-03	2.40E-03	3.93E-04	2.62E-05	1.74E-06	1.15E-07	7.65E-09	5.09E-10
EU159	1.14E-01	1.14E-02	1.13E-03	1.12E-04	1.11E-05	1.09E-07	1.07E-10	1.04E-13	1.02E-16	9.95E-20	9.72E-23
GD159	4.90E-04	2.15E-03	2.23E-03	2.16E-03	2.08E-03	1.93E-03	1.72E-03	1.53E-03	1.36E-03	1.21E-03	1.08E-03
TB161	3.30E-06	2.38E-05	2.36E-05	2.35E-05	2.34E-05	2.32E-05	2.30E-05	2.27E-05	2.24E-05	2.21E-05	2.18E-05
TOTAL	9.56E+03	2.02E+03	7.37E+02	4.26E+02	3.06E+02	2.05E+02	1.43E+02	1.11E+02	9.07E+01	7.66E+01	6.62E+01

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*NA 24	7.98E+00	2.63E+00	8.69E-01	3.11E-02	1.22E-04	1.86E-09	2.84E-14	6.62E-24	0.	0.	0.	0.
*MN 54	6.05E-06	5.99E-06	5.99E-06	5.89E-06	5.83E-06	5.73E-06	5.62E-06	5.35E-06	4.78E-06	3.80E-06	3.03E-06	2.42E-06
*FE 55	2.14E-04	2.14E-04	2.14E-04	2.13E-04	2.12E-04	2.11E-04	2.09E-04	2.07E-04	1.99E-04	1.85E-04	1.72E-04	1.60E-04
*FE 59	1.19E-04	1.17E-04	1.15E-04	1.10E-04	1.02E-04	8.72E-05	7.48E-05	5.49E-05	2.55E-05	5.44E-06	1.17E-06	2.55E-07
*CO 57	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.18E-05	1.14E-05	1.12E-05	1.06E-05	9.37E-06	7.23E-06	5.60E-06	4.35E-06
*CO 58	2.52E-02	2.49E-02	2.47E-02	2.39E-02	2.29E-02	2.07E-02	1.88E-02	1.55E-02	9.53E-03	3.60E-03	1.36E-03	4.85E-04
*CO 60	6.03E-05	6.03E-05	6.03E-05	6.03E-05	5.99E-05	5.99E-05	5.96E-05	5.92E-05	5.78E-05	5.60E-05	5.39E-05	5.18E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W187	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W188	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU198	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AU199	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*PB203	4.64E-04	3.36E-04	1.29E-04	2.61E-05	1.07E-06	4.41E-08	7.40E-11	8.65E-18	0.	0.	0.	0.
U237	4.97E-02	4.48E-02	4.04E-02	2.97E-02	1.78E-02	6.37E-03	2.28E-03	2.92E-04	1.72E-06	1.85E-10	1.25E-10	7.85E-11
U240	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	9.34E-03	1.42E+01	1.06E+01	4.38E+00	1.00E+00	5.24E-02	2.74E-03	7.53E-06	2.96E-12	7.07E-22	7.07E-22	7.07E-22
NP240M	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GE 77	3.56E-03	2.24E-03	5.13E-04	6.20E-06	3.95E-09	1.60E-15	6.44E-22	1.05E-34	0.	0.	0.	0.
AS 77	3.68E-05	5.44E-03	3.93E-03	1.14E-03	1.33E-04	1.81E-06	2.45E-08	4.53E-12	2.10E-21	4.50E-40	9.66E-59	2.10E-61
SE 77M	1.45E-09	1.64E-05	1.18E-05	3.42E-06	3.99E-07	5.42E-09	7.36E-11	1.36E-14	6.29E-24	1.35E-42	2.90E-61	6.29E-61
AS 78	9.59E-03	8.54E-05	2.50E-09	2.11E-23	0.	0.	0.	0.	0.	0.	0.	0.
BR 82	3.93E-04	2.46E-04	1.53E-04	3.73E-05	3.53E-06	3.17E-08	2.85E-10	2.30E-14	1.34E-24	4.61E-45	1.57E-65	4.61E-65
BR 83	3.04E-01	8.01E-03	8.05E-06	8.18E-15	8.35E-30	0.	0.	0.	0.	0.	0.	0.
KR 83M	1.57E-05	3.50E-02	3.98E-05	3.58E-14	3.67E-29	0.	0.	0.	0.	0.	0.	0.
KR 85M	3.96E-03	2.26E-01	5.16E-03	6.12E-08	3.77E-16	1.44E-32	5.44E-49	0.	0.	0.	0.	0.
KR 85	4.10E-06	1.08E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04	1.08E-04	1.06E-04	1.05E-04	1.04E-04
KR 87	6.74E+01	1.33E-04	2.63E-10	2.04E-27	0.	0.	0.	0.	0.	0.	0.	0.
KR 88	3.88E+01	1.02E-01	2.68E-04	4.87E-12	6.13E-25	0.	0.	0.	0.	0.	0.	0.
RB 88	9.86E+00	1.14E-01	3.00E-04	5.45E-12	6.83E-25	0.	0.	0.	0.	0.	0.	0.
SR 89	3.55E-06	1.06E-01	1.05E-01	1.01E-01	9.45E-02	8.26E-02	7.22E-02	5.56E-02	2.84E-02	7.48E-03	1.97E-03	5.56E-04
SR 90	7.18E-06	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.38E-04	7.31E-04	7.31E-04	7.25E-04	7.25E-04
Y 90	1.06E-11	1.69E-04	2.99E-04	5.37E-04	6.86E-04	7.31E-04	7.38E-04	7.38E-04	7.31E-04	7.31E-04	7.25E-04	7.25E-04
SR 91	8.10E-01	2.90E+00	5.19E-01	2.98E-03	5.45E-07	1.85E-14	6.26E-22	7.13E-37	0.	0.	0.	0.

SULKY
 MR/HR AT H+12 HOURS = MICROCURIES/SQ METER
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	5.45E-05	1.87E+00	3.35E-01	1.92E-03	3.53E-07	1.19E-14	4.03E-22	4.60E-37	0.	0.	0.	0.
Y 91	2.23E-08	8.91E-02	1.05E-01	1.05E-01	9.93E-02	8.81E-02	7.84E-02	6.21E-02	3.44E-02	1.06E-02	3.25E-03	0.
SR 92	4.80E+00	5.98E-02	1.29E-04	1.30E-12	6.07E-26	0.	0.	0.	0.	0.	0.	0.
Y 92	2.21E-01	6.27E-01	6.96E-03	5.36E-09	3.12E-19	1.07E-39	3.66E-60	0.	0.	0.	0.	0.
Y 93	2.28E-01	1.54E+00	3.01E-01	2.26E-03	6.51E-07	5.38E-14	4.44E-21	3.03E-35	0.	0.	0.	0.
ZR 95	4.32E-04	5.40E-02	5.34E-02	5.17E-02	4.91E-02	4.39E-02	3.96E-02	3.20E-02	1.87E-02	6.46E-03	2.22E-03	0.
NB 95M	9.19E-12	1.83E-04	3.33E-04	6.36E-04	8.58E-04	9.05E-04	8.35E-04	6.78E-04	3.98E-04	1.37E-04	4.72E-05	0.
NB 95M	4.81E-11	1.04E-03	2.06E-03	4.94E-03	9.19E-03	1.59E-02	2.05E-02	2.54E-02	2.44E-02	1.17E-02	4.51E-03	0.
ZR 97	1.01E+00	1.71E+00	6.45E-01	3.42E-02	2.57E-04	1.44E-08	8.11E-13	2.57E-21	1.45E-42	0.	0.	0.
NB 97M	5.18E-03	1.65E+00	6.19E-01	3.29E-02	2.46E-04	1.39E-08	7.80E-13	2.46E-21	1.39E-42	0.	0.	0.
NB 97	5.05E-01	1.72E+00	6.47E-01	3.43E-02	2.58E-04	1.56E-08	8.74E-13	2.77E-21	1.56E-42	0.	0.	0.
MO 99	2.92E-03	9.50E-01	7.42E-01	3.52E-01	1.02E-01	8.50E-03	7.09E-04	4.95E-06	2.01E-11	3.31E-22	5.45E-33	0.
TC 99M	2.72E-08	8.35E-01	7.03E-01	3.37E-01	9.71E-02	8.11E-03	6.77E-04	4.72E-06	1.92E-11	3.16E-22	5.21E-33	0.
RU103	4.87E-05	1.11E-01	1.09E-01	1.03E-01	9.49E-02	7.96E-02	6.68E-02	4.71E-02	1.96E-02	3.40E-03	5.93E-04	0.
RH103M	3.25E-09	1.11E-01	1.09E-01	1.04E-01	9.49E-02	7.96E-02	6.68E-02	4.71E-02	1.96E-02	3.40E-03	5.93E-04	0.
RU105	2.60E-01	2.49E-01	5.85E-03	7.69E-08	5.62E-16	3.00E-32	1.61E-48	0.	0.	0.	0.	0.
RH105M	1.71E-03	2.49E-01	5.85E-03	7.71E-08	5.64E-16	3.02E-32	1.61E-48	0.	0.	0.	0.	0.
RH105M	2.81E-09	8.98E-01	5.86E-01	1.46E-01	1.44E-02	1.40E-04	1.36E-06	1.28E-10	1.11E-20	8.37E-41	6.28E-61	0.
RU106	1.95E-04	3.69E-03	3.67E-03	3.66E-03	3.63E-03	3.56E-03	3.48E-03	3.35E-03	3.05E-03	2.52E-03	2.09E-03	0.
RH106	2.11E-06	3.69E-03	3.67E-03	3.66E-03	3.63E-03	3.56E-03	3.48E-03	3.35E-03	3.05E-03	2.52E-03	2.09E-03	0.
PD109	1.45E-03	3.70E-02	1.08E-02	2.68E-04	5.64E-07	2.51E-12	1.12E-17	2.21E-23	0.	0.	0.	0.
AG109M	8.39E-06	3.70E-02	1.08E-02	2.68E-04	5.66E-07	2.52E-12	1.12E-17	2.22E-23	0.	0.	0.	0.
PD111M	2.31E-01	1.12E-02	5.45E-04	6.26E-08	1.69E-14	1.23E-27	9.06E-41	0.	0.	0.	0.	0.
PD111	8.23E-02	9.06E-03	4.38E-04	5.03E-08	1.36E-14	9.92E-28	7.27E-41	0.	0.	0.	0.	0.
AG111M	6.54E-04	1.18E-02	5.75E-04	6.62E-08	1.79E-14	1.31E-27	9.58E-41	0.	0.	0.	0.	0.
AG111	2.33E-10	6.43E-03	6.18E-03	4.70E-03	2.96E-03	1.17E-03	4.66E-04	7.34E-05	7.22E-07	7.00E-11	6.78E-15	0.
PD112	5.05E-02	2.29E-02	1.04E-02	9.63E-04	1.83E-05	6.64E-09	2.41E-12	3.17E-19	2.00E-36	0.	0.	0.
AG112	1.52E-06	2.56E-02	1.22E-02	1.14E-03	2.17E-05	7.84E-09	2.85E-12	3.75E-19	2.35E-36	0.	0.	0.
AG113	6.90E-04	7.29E-03	3.15E-04	2.56E-08	3.92E-15	9.17E-29	2.14E-42	0.	0.	0.	0.	0.
CD115M	2.55E-09	7.37E-05	7.24E-05	6.90E-05	6.38E-05	5.41E-05	4.62E-05	3.34E-05	1.49E-05	2.97E-06	5.93E-07	0.
CD115	9.84E-07	1.48E-02	1.09E-02	4.28E-03	9.02E-04	4.03E-05	1.80E-06	3.58E-09	6.33E-16	1.98E-29	6.21E-43	0.
IN115M	1.23E-11	1.56E-02	1.18E-02	4.67E-03	9.84E-04	4.40E-05	1.96E-06	3.91E-09	6.92E-16	2.17E-29	6.77E-43	0.
CD117	2.21E-02	4.83E-04	4.70E-07	4.39E-16	3.89E-31	0.	0.	0.	0.	0.	0.	0.
IN117M	1.06E-06	2.00E-03	2.32E-06	2.24E-15	1.99E-30	0.	0.	0.	0.	0.	0.	0.
IN117	4.28E-11	1.32E-03	1.57E-06	1.52E-15	1.34E-30	0.	0.	0.	0.	0.	0.	0.
SN121	4.48E-04	2.55E-02	1.38E-02	2.17E-03	9.96E-05	2.10E-07	4.43E-10	1.97E-15	8.25E-29	0.	0.	0.
SN123	2.31E-06	2.42E-04	2.40E-04	2.35E-04	2.29E-04	2.16E-04	2.05E-04	1.84E-04	1.39E-04	7.99E-05	4.60E-05	0.
SN125	6.48E-03	6.02E-03	5.60E-03	4.48E-03	3.10E-03	1.48E-03	7.09E-04	1.62E-04	4.06E-06	2.55E-09	1.60E-12	0.
SB125	3.89E-05	4.31E-05	4.72E-05	5.77E-05	7.07E-05	8.56E-05	9.22E-05	9.61E-05	9.42E-05	8.80E-05	8.20E-05	0.
SB126	1.29E-03	1.22E-03	1.15E-03	9.74E-04	7.38E-04	4.23E-04	2.44E-04	8.03E-05	5.02E-06	2.44E-08	4.90E-09	0.

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	2.34E+00	8.46E-04	3.07E-07	1.47E-17	9.21E-35	0.	0.	0.	0.	0.	0.
SB127	2.72E-02	1.12E-01	9.36E-02	5.46E-02	2.24E-02	3.74E-03	6.25E-04	1.75E-05	2.28E-09	3.89E-17	6.62E-25
TE127M	2.20E-10	1.71E-04	3.12E-04	6.06E-04	8.38E-04	9.24E-04	8.91E-04	7.90E-04	5.76E-04	3.04E-04	1.61E-04
TE127	1.54E-02	8.01E-02	7.86E-02	4.79E-02	2.02E-02	4.15E-03	1.42E-03	7.97E-04	5.69E-04	3.01E-04	1.59E-04
SB128	6.56E-01	1.12E-01	1.77E-02	6.89E-05	6.68E-09	6.27E-17	5.90E-25	5.20E-41	0.	0.	0.
SB129	3.84E+00	1.96E-01	4.10E-03	3.73E-08	1.48E-16	2.34E-33	3.70E-50	0.	0.	0.	0.
TE129M	7.25E-08	7.64E-03	7.64E-03	7.21E-03	6.52E-03	5.31E-03	4.32E-03	2.87E-03	1.04E-03	1.35E-04	1.76E-05
TE129	2.76E+00	2.30E-01	9.58E-03	4.62E-03	4.17E-03	3.40E-03	2.77E-03	1.84E-03	6.65E-04	8.68E-05	1.13E-05
I130	1.79E-02	4.68E-03	1.23E-03	2.19E-05	2.68E-08	3.99E-14	5.95E-20	1.32E-31	0.	0.	0.
TE131M	7.25E-05	2.54E-01	1.46E-01	2.76E-02	1.72E-03	6.72E-06	2.63E-08	4.02E-13	3.65E-25	0.	0.
TE131	6.68E-01	4.63E-02	2.66E-02	5.04E-03	3.15E-04	1.23E-06	4.80E-09	7.35E-14	6.68E-26	0.	0.
I131	9.70E-03	5.24E-01	4.95E-01	3.98E-01	2.62E-01	1.10E-01	4.68E-02	8.36E-03	1.13E-04	2.06E-08	3.75E-12
XE131M	2.63E-11	2.43E-04	4.61E-04	9.61E-04	1.37E-03	1.36E-03	1.01E-03	4.16E-04	2.78E-05	8.31E-08	2.34E-10
TE132	8.12E-01	1.61E+00	1.30E+00	6.84E-01	2.36E-01	2.80E-02	3.31E-03	4.65E-05	1.09E-09	5.96E-19	3.25E-28
I132	1.99E+00	1.66E+00	1.34E+00	7.04E-01	2.43E-01	2.89E-02	3.41E-03	4.79E-05	1.12E-09	6.10E-19	3.35E-28
I133	8.74E-01	4.87E+00	2.20E+00	2.04E-01	3.89E-03	1.41E-06	5.11E-10	6.74E-17	4.23E-34	0.	0.
XE133M	3.72E-08	4.60E-02	5.45E-02	3.20E-02	7.50E-03	3.52E-04	1.64E-05	3.55E-08	7.79E-15	3.72E-28	1.78E-41
XE133	6.50E-07	8.84E-01	1.18E+00	1.06E+00	5.78E-01	1.56E-01	4.20E-02	3.02E-03	4.21E-06	8.17E-12	1.59E-17
I135	1.48E+01	2.41E+00	2.01E-01	1.17E-04	4.75E-10	7.85E-21	1.29E-31	3.51E-53	0.	0.	0.
XE135M	1.63E-03	7.51E-01	6.28E-02	3.65E-05	1.49E-10	2.44E-21	4.03E-32	1.10E-53	0.	0.	0.
XE135	1.70E+00	6.49E+00	1.59E+00	9.08E-03	1.11E-06	1.56E-14	2.19E-22	4.33E-38	0.	0.	0.
CS136	1.34E-03	1.27E-03	1.21E-03	1.03E-03	7.89E-04	4.63E-04	2.72E-04	9.35E-05	6.50E-06	3.13E-08	1.52E-10
CS137	7.14E-05	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.66E-04	7.61E-04	7.57E-04
BA137M	1.51E-07	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.19E-04	7.14E-04	7.10E-04	7.06E-04
BA139	9.59E+00	1.02E-03	6.04E-09	1.24E-24	0.	0.	0.	0.	0.	0.	0.
BA140	8.60E-02	5.08E-01	4.84E-01	4.10E-01	3.13E-01	1.82E-01	1.06E-01	3.59E-02	2.39E-03	1.07E-05	4.71E-08
LA140	2.04E-07	1.77E-01	2.85E-01	3.94E-01	3.50E-01	2.09E-01	1.22E-01	4.14E-02	2.75E-03	1.23E-05	5.45E-08
LA141	1.11E+00	4.42E-01	6.20E-03	1.72E-08	9.38E-18	2.80E-36	8.35E-55	0.	0.	0.	0.
CE141	1.38E-07	1.53E-01	1.52E-01	1.42E-01	1.28E-01	1.03E-01	8.32E-02	5.42E-02	1.86E-02	2.19E-03	2.58E-04
LA142	4.89E+00	1.07E-03	2.07E-08	1.53E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.32E-02	1.36E+00	8.25E-01	1.82E-01	1.46E-02	9.45E-05	6.11E-07	2.56E-11	2.89E-22	0.	0.
PR143	9.71E-09	8.74E-02	1.36E-01	1.75E-01	1.50E-01	9.16E-02	5.53E-02	2.00E-02	1.60E-03	1.02E-05	6.44E-08
CE144	1.34E-03	9.58E-03	9.54E-03	9.48E-03	9.36E-03	9.14E-03	8.92E-03	8.50E-03	7.51E-03	5.89E-03	4.62E-03
PR144	3.68E-07	9.58E-03	9.54E-03	9.48E-03	9.36E-03	9.14E-03	8.92E-03	8.50E-03	7.51E-03	5.89E-03	4.62E-03
PR145	5.21E-02	5.33E-01	3.30E-02	7.82E-06	7.13E-12	5.90E-24	4.90E-36	0.	0.	0.	0.
ND147	6.09E-06	1.02E-01	9.62E-02	7.98E-02	5.83E-02	3.13E-02	1.67E-02	4.81E-03	2.11E-04	4.11E-07	7.96E-10
PM147	1.69E-14	7.65E-05	1.48E-04	3.39E-04	5.85E-04	8.93E-04	1.06E-03	1.18E-03	1.19E-03	1.11E-03	1.03E-03
ND149	7.89E+00	7.64E-04	7.40E-08	6.74E-20	5.76E-40	0.	0.	0.	0.	0.	0.
PM149	1.10E-03	2.03E-01	1.49E-01	5.80E-02	1.21E-02	5.28E-04	2.30E-05	4.37E-08	6.89E-15	1.70E-28	4.24E-42
PM150	8.74E-02	1.84E-04	3.88E-07	3.65E-15	1.53E-28	0.	0.	0.	0.	0.	0.

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 300 DAYS

ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	1.67E-02	1.14E-01	6.28E-02	1.06E-02	5.42E-04	1.42E-06	3.75E-09	2.59E-14	3.25E-27	0.
SM153	5.18E-02	3.64E-02	2.56E-02	8.84E-03	1.50E-03	4.37E-05	1.27E-06	1.07E-09	2.20E-17	9.37E-33
SM156	2.61E-02	4.45E-03	7.60E-04	3.74E-06	5.39E-10	1.11E-17	2.29E-25	9.73E-41	0.	0.
EU155	1.64E-06	5.55E-05	5.54E-05	5.54E-05	5.53E-05	5.51E-05	5.48E-05	5.44E-05	5.34E-05	5.12E-05
EU156	7.64E-05	6.21E-04	6.89E-04	6.18E-04	4.90E-04	3.08E-04	1.94E-04	7.71E-05	7.64E-06	7.52E-08
EU157	4.86E-03	5.61E-03	1.89E-03	7.08E-05	2.97E-07	5.25E-12	9.28E-17	2.89E-26	0.	0.
GD159	4.90E-04	9.64E-04	3.84E-04	2.39E-05	2.36E-07	2.28E-11	2.21E-15	2.07E-23	1.77E-43	0.
TB161	3.30E-06	2.16E-05	1.95E-05	1.44E-05	8.72E-06	3.19E-06	1.17E-06	1.57E-07	1.04E-09	4.48E-14
TOTAL	2.53E+02	5.75E+01	2.83E+01	1.06E+01	4.16E+00	1.48E+00	8.91E-01	4.89E-01	2.10E-01	7.13E-02

SULKY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM
 BOMB FRACTION PER SQ. METER = 4.848E-11

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
*MN 54	6.05E-06	2.61E-06	1.72E-06	1.13E-06	3.23E-07	9.21E-08	1.73E-08	1.42E-09	3.33E-13	1.20E-18	4.36E-24
*FE 59	1.19E-04	4.28E-07	2.57E-08	1.54E-09	3.35E-13	7.24E-17	9.44E-22	4.42E-29	0.	0.	0.
*CO 57	1.20E-05	4.75E-06	2.97E-06	1.86E-06	4.59E-07	1.13E-07	1.75E-09	1.06E-09	9.28E-14	7.62E-20	0.
*CO 58	2.52E-02	7.23E-04	1.23E-04	2.08E-05	1.01E-07	4.92E-10	4.06E-13	9.63E-18	3.68E-33	0.	0.
*CO 60	6.03E-05	5.28E-05	4.92E-05	4.60E-05	3.78E-05	3.11E-05	2.39E-05	1.61E-05	4.32E-06	5.99E-07	8.28E-08
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W188	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.97E-02	1.24E-10	1.21E-10	1.17E-10	1.10E-10	1.02E-10	9.28E-11	8.05E-11	5.01E-11	2.46E-11	1.21E-11
AM241	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CM242	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
KR 85	4.10E-06	1.02E-04	9.87E-05	9.55E-05	8.71E-05	7.86E-05	6.91E-05	5.70E-05	3.01E-05	1.15E-05	4.40E-06
SR 89	3.55E-06	8.31E-04	7.27E-05	6.39E-06	4.30E-09	2.90E-12	1.71E-16	7.79E-23	5.66E-44	0.	0.
SR 90	7.18E-06	7.18E-04	7.12E-04	7.05E-04	6.79E-04	6.53E-04	6.22E-04	5.77E-04	4.51E-04	3.11E-04	2.15E-04
Y 90	1.06E-11	7.18E-04	7.12E-04	7.05E-04	6.79E-04	6.53E-04	6.22E-04	5.77E-04	4.51E-04	3.11E-04	2.15E-04
Y 91	2.23E-08	1.51E-03	1.75E-04	2.04E-05	3.19E-08	5.01E-11	9.17E-15	2.25E-20	4.55E-39	0.	0.
ZR 95	4.32E-04	1.11E-03	1.58E-04	2.25E-05	6.57E-08	1.91E-10	7.92E-14	6.69E-19	8.18E-36	0.	0.
NB 95M	9.19E-12	2.35E-05	3.35E-06	4.79E-07	1.39E-09	4.05E-12	1.68E-15	1.42E-20	1.74E-37	0.	0.
NB 95	4.81E-11	2.39E-03	3.43E-04	4.89E-05	1.42E-07	4.11E-10	1.72E-13	1.45E-18	1.77E-35	0.	0.
RU103	4.87E-05	1.89E-04	7.74E-06	3.18E-07	2.17E-11	1.49E-15	4.18E-21	1.97E-29	0.	0.	0.
RH103M	3.25E-09	1.90E-04	7.74E-06	3.18E-07	2.18E-11	1.49E-15	4.18E-21	1.97E-29	0.	0.	0.
RU106	1.95E-04	1.85E-03	1.31E-03	9.30E-04	3.31E-04	1.17E-04	2.95E-05	3.74E-06	3.77E-09	1.21E-13	3.90E-18
RH106	2.11E-06	1.85E-03	1.31E-03	9.30E-04	3.31E-04	1.17E-04	2.95E-05	3.74E-06	3.77E-09	1.21E-13	3.90E-18
SN123	2.31E-06	3.20E-05	1.16E-05	4.22E-06	2.02E-07	9.71E-09	1.69E-10	3.90E-13	6.25E-22	4.03E-35	2.59E-48
SB125	3.89E-05	7.83E-05	6.88E-05	6.06E-05	4.13E-05	2.81E-05	1.68E-05	7.76E-06	5.97E-07	1.27E-08	2.71E-10
TE125M	1.05E-12	3.20E-05	2.84E-05	2.50E-05	1.71E-05	1.16E-05	6.95E-06	3.21E-06	2.47E-07	5.26E-09	1.12E-10
TE127M	2.20E-10	1.06E-04	3.30E-05	1.03E-05	3.18E-07	9.77E-09	9.39E-11	8.83E-14	7.26E-24	5.43E-39	4.04E-54
TE127	1.54E-02	1.04E-04	3.26E-05	1.02E-05	3.14E-07	9.65E-09	9.28E-11	8.76E-14	7.18E-24	5.35E-39	4.00E-54
CS137	7.14E-05	7.53E-04	7.44E-04	7.36E-04	7.10E-04	6.84E-04	6.54E-04	6.12E-04	4.83E-04	3.43E-04	2.43E-04
BA137M	1.51E-07	7.06E-04	6.97E-04	6.89E-04	6.63E-04	6.42E-04	6.12E-04	5.73E-04	4.53E-04	3.21E-04	2.27E-04
CE141	1.38E-07	5.94E-05	1.19E-06	2.40E-08	1.95E-13	1.59E-18	2.61E-25	1.73E-35	0.	0.	0.
CE144	1.34E-03	3.94E-03	2.53E-03	1.62E-03	4.24E-04	1.12E-04	1.87E-05	1.29E-06	1.74E-10	2.73E-16	4.26E-22
PR144	3.68E-07	3.94E-03	2.53E-03	1.62E-03	4.24E-04	1.12E-04	1.87E-05	1.29E-06	1.74E-10	2.73E-16	4.26E-22
PM147	1.69E-14	9.81E-04	8.59E-04	7.53E-04	5.06E-04	3.40E-04	2.00E-04	9.07E-05	6.45E-06	1.22E-07	2.30E-09
EU155	1.64E-06	4.80E-05	4.46E-05	4.15E-05	3.34E-05	2.68E-05	2.00E-05	1.29E-05	3.02E-06	3.40E-07	3.82E-08
TOTAL	9.26E-02	2.30E-02	1.27E-02	9.09E-03	4.96E-03	3.61E-03	2.94E-03	2.54E-03	1.88E-03	1.30E-03	9.05E-04

APPENDIX G
DETAILED RESULTS FOR EVENT PALANQUIN

PALANQUIN
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	7.22E+01	6.95E+03
1.00E+00	2.14E+01	1.37E+03
2.00E+00	8.68E+00	5.38E+02
3.00E+00	4.86E+00	3.31E+02
4.00E+00	3.22E+00	2.44E+02
6.00E+00	1.91E+00	1.66E+02
9.00E+00	1.28E+00	1.16E+02
1.20E+01	1.00E+00	9.00E+01
1.50E+01	8.18E-01	7.31E+01
1.80E+01	6.86E-01	6.12E+01
2.10E+01	5.82E-01	5.23E+01
1.00E+00 DAYS	4.98E-01	4.51E+01
2.00E+00	1.99E-01	2.09E+01
5.00E+00	5.10E-02	7.33E+00
1.00E+01	2.23E-02	3.15E+00
2.00E+01	8.86E-03	1.24E+00
3.00E+01	5.08E-03	7.56E-01
5.00E+01	2.38E-03	4.29E-01
1.00E+02	8.41E-04	1.98E-01
2.00E+02	3.27E-04	8.36E-02
3.00E+02	1.82E-04	5.29E-02
1.00E+00 YEARS	1.41E-04	3.02E-02
1.50E+00	9.08E-05	1.94E-02
2.00E+00	6.96E-05	1.40E-02
3.50E+00	4.07E-05	6.46E-03
5.00E+00	2.88E-05	3.80E-03
7.00E+00	2.12E-05	2.54E-03
1.00E+01	1.51E-05	1.91E-03
2.00E+01	6.38E-06	1.23E-03
3.50E+01	2.98E-06	8.27E-04
5.00E+01	1.89E-06	5.89E-04

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME 1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.43E-03	2.43E-03	2.42E-03	2.42E-03	2.41E-03	2.41E-03
NA 24	1.32E+01	1.26E+01	1.21E+01	1.15E+01	1.10E+01	1.00E+01	8.73E+00	7.61E+00	6.63E+00	5.77E+00	5.00E+00
MN 54	8.02E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03	7.95E-03	7.95E-03	7.95E-03	7.95E-03
FE 55	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02
FE 59	6.98E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.96E-03	6.95E-03	6.94E-03	6.92E-03	6.91E-03	6.90E-03
CO 57	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05	5.99E-05
CO 58	6.95E-04	6.95E-04	6.95E-04	6.95E-04	6.93E-04	6.93E-04	6.92E-04	6.92E-04	6.90E-04	6.90E-04	6.89E-04
CO 60	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.99E-04
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03
W185	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
W187	4.73E+00	4.58E+00	4.45E+00	4.33E+00	4.21E+00	3.96E+00	3.64E+00	3.34E+00	3.05E+00	2.81E+00	2.57E+00
W188	7.89E-06	7.89E-06	7.89E-06	7.87E-06	7.87E-06	7.87E-06	7.85E-06	7.85E-06	7.83E-06	7.83E-06	7.82E-06
AU198	3.48E-02	3.45E-02	3.42E-02	3.36E-02	3.33E-02	3.27E-02	3.15E-02	3.06E-02	2.95E-02	2.86E-02	2.77E-02
AU199	3.73E+00	3.70E+00	3.67E+00	3.63E+00	3.60E+00	3.53E+00	3.44E+00	3.34E+00	3.25E+00	3.16E+00	3.08E+00
PB203	8.46E-02	8.34E-02	8.22E-02	8.10E-02	7.98E-02	7.80E-02	7.51E-02	7.21E-02	6.92E-02	6.62E-02	6.39E-02
U237	2.18E-02	2.17E-02	2.16E-02	2.15E-02	2.14E-02	2.12E-02	2.10E-02	2.07E-02	2.04E-02	2.02E-02	1.99E-02
U239	2.19E+02	3.74E+01	6.39E+00	1.09E+00	1.84E-01	5.37E-03	2.66E-05	1.31E-07	6.50E-10	3.22E-12	1.59E-14
U240	4.69E-03	4.47E-03	4.26E-03	4.05E-03	3.86E-03	3.49E-03	3.02E-03	2.60E-03	2.24E-03	1.93E-03	1.67E-03
NP239	7.49E-04	1.26E+00	1.45E+00	1.48E+00	1.46E+00	1.43E+00	1.37E+00	1.33E+00	1.28E+00	1.23E+00	1.19E+00
NP240M	7.42E-06	4.49E-03	4.29E-03	4.09E-03	3.89E-03	3.52E-03	3.04E-03	2.63E-03	2.26E-03	1.95E-03	1.69E-03
NP240	1.88E-13	9.67E-14	5.02E-14	2.59E-14	1.34E-14	3.58E-15	4.94E-16	6.82E-17	9.40E-18	1.29E-18	1.79E-19
AM241	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05
CM242	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.27E-04	2.27E-04	2.27E-04	2.27E-04	2.27E-04
GE 75	1.22E-05	5.93E-02	3.57E-02	2.15E-02	1.30E-02	4.70E-03	1.03E-03	2.25E-04	4.90E-05	1.07E-05	2.34E-06
GE 77	6.86E-03	1.77E-02	1.66E-02	1.56E-02	1.47E-02	1.30E-02	1.08E-02	9.00E-03	7.50E-03	6.23E-03	5.19E-03
AS 77	7.09E-05	1.12E-02	1.13E-02	1.14E-02	1.15E-02	1.16E-02	1.16E-02	1.15E-02	1.13E-02	1.11E-02	1.08E-02
SE 77M	2.80E-09	3.36E-05	3.41E-05	3.43E-05	3.43E-05	3.46E-05	3.46E-05	3.46E-05	3.41E-05	3.33E-05	3.23E-05
GE 78	9.30E-01	5.81E-01	3.62E-01	2.26E-01	1.41E-01	5.49E-02	1.33E-02	3.23E-03	7.88E-04	1.91E-04	4.65E-05
AS 78	1.67E-02	2.78E-01	3.42E-01	3.21E-01	2.68E-01	1.58E-01	5.88E-02	1.95E-02	6.04E-03	1.80E-03	5.23E-04
AS 79	1.54E+01	1.51E-01	1.49E-03	1.47E-05	1.45E-07	1.40E-11	1.34E-17	1.27E-23	1.22E-29	1.16E-35	1.11E-41
SE 79M	2.28E-02	2.67E-01	2.64E-03	2.60E-05	2.55E-07	2.47E-11	2.36E-17	2.25E-23	2.15E-29	2.05E-35	1.95E-41
BR 80	7.99E-02	7.54E-03	7.09E-04	6.67E-05	6.28E-06	5.57E-08	4.66E-11	3.88E-14	3.24E-17	2.70E-20	2.26E-23
SE 81M	5.83E-02	2.72E+00	1.31E+00	6.32E-01	3.04E-01	7.10E-02	7.94E-03	8.90E-04	9.98E-05	1.12E-05	1.25E-06
SE 81	7.13E-01	3.22E+00	1.86E+00	9.29E-01	4.51E-01	1.05E-01	1.18E-02	1.32E-03	1.48E-04	1.66E-05	1.86E-06
BR 82	2.91E-04	2.86E-04	2.80E-04	2.75E-04	2.69E-04	2.59E-04	2.44E-04	2.30E-04	2.17E-04	2.04E-04	1.93E-04
SE 83	2.40E+01	4.55E+00	8.62E-01	1.63E-01	3.09E-02	1.11E-03	7.55E-06	5.14E-08	3.51E-10	2.38E-12	1.51E-14
BR 83	1.99E-01	2.98E+00	2.76E+00	2.17E+00	1.65E+00	9.30E-01	3.93E-01	1.65E-02	6.99E-02	2.95E-02	1.24E-02
KR 83M	1.03E-05	6.74E-01	1.38E+00	1.71E+00	1.76E+00	1.47E+00	8.68E-01	4.47E-01	2.15E-01	9.94E-02	4.47E-02

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	4.47E-02	7.71E+00	2.08E+00	5.64E-01	1.52E-01	1.11E-02	2.20E-04	4.35E-06	8.61E-08	1.70E-09	3.36E-11	
KR 85M	1.57E-03	3.37E+00	2.87E+00	2.45E+00	2.09E+00	1.53E+00	9.53E-01	5.95E-01	3.71E-01	2.30E-01	1.44E-01	
KR 87	2.34E+01	1.35E+01	7.82E+00	4.52E+00	2.61E+00	8.75E-01	1.70E-01	3.29E-02	6.37E-03	1.23E-03	2.38E-04	
KR 88	1.25E+01	9.78E+00	7.64E+00	5.96E+00	4.66E+00	2.83E+00	1.35E+00	6.43E-01	3.05E-01	1.46E-01	6.92E-02	
RB 88	3.19E+00	9.90E+00	8.45E+00	6.65E+00	5.20E+00	3.17E+00	1.51E+00	7.20E-01	3.43E-01	1.63E-01	7.75E-02	
RB 89	1.70E+01	1.60E+01	1.07E+00	7.22E-02	4.84E-03	2.19E-05	6.63E-09	2.00E-12	6.09E-16	1.85E-19	5.60E-23	
SR 89	1.30E-06	4.57E-02	4.87E-02	4.87E-02	4.87E-02	4.87E-02	4.87E-02	4.86E-02	4.86E-02	4.84E-02	4.84E-02	
SR 90	2.49E-06	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	
SR 91	3.17E-01	5.91E+00	5.51E+00	5.13E+00	4.77E+00	4.13E+00	3.33E+00	2.69E+00	2.18E+00	1.75E+00	1.41E+00	
Y 91M	2.14E-05	2.04E+00	2.77E+00	2.97E+00	2.93E+00	2.63E+00	2.16E+00	1.73E+00	1.40E+00	1.13E+00	9.10E-01	
SR 91	8.74E-09	1.81E-03	4.17E-03	6.66E-03	9.10E-03	1.36E-02	1.94E-02	2.39E-02	2.77E-02	3.07E-02	3.31E-02	
SR 92	2.05E+00	9.18E+00	7.11E+00	5.51E+00	4.26E+00	2.55E+00	1.19E+00	5.51E-01	2.55E-01	1.19E-01	5.51E-02	
SR 92	9.47E-02	1.93E+00	3.03E+00	3.60E+00	3.82E+00	3.64E+00	2.79E+00	1.90E+00	1.22E+00	7.53E-01	4.54E-01	
SR 93	4.46E+01	1.63E+00	9.00E-03	4.97E-05	2.74E-07	8.38E-12	1.41E-18	2.38E-25	4.03E-32	6.79E-39	1.14E-45	
Y 93	1.15E-01	3.73E+00	3.51E+00	3.28E+00	3.06E+00	2.68E+00	2.18E+00	1.78E+00	1.45E+00	1.19E+00	9.65E-01	
Y 94	1.43E+01	1.95E+01	2.51E+00	3.23E-01	4.17E-02	6.93E-04	1.49E-06	3.19E-09	6.81E-12	1.49E-14	8.24E-16	
Y 95	6.60E+01	6.22E+00	1.37E-01	3.02E-03	6.65E-05	3.23E-08	3.46E-13	3.70E-18	3.95E-23	4.22E-28	4.51E-33	
ZR 95	2.48E-04	3.24E-02	3.30E-02	3.30E-02	3.30E-02	3.30E-02	3.30E-02	3.29E-02	3.29E-02	3.28E-02	3.28E-02	
NB 95	2.76E-11	2.00E-05	4.66E-05	7.33E-05	1.00E-04	1.53E-04	2.33E-04	3.13E-04	3.91E-04	4.71E-04	5.49E-04	
ZR 97	6.74E-01	2.94E+00	2.81E+00	2.70E+00	2.59E+00	2.39E+00	2.11E+00	1.87E+00	1.66E+00	1.46E+00	1.30E+00	
NB 97M	3.47E-03	2.82E+00	2.70E+00	2.60E+00	2.50E+00	2.30E+00	2.03E+00	1.80E+00	1.59E+00	1.40E+00	1.24E+00	
NB 97	3.38E-01	1.47E+00	2.08E+00	2.37E+00	2.48E+00	2.47E+00	2.25E+00	2.01E+00	1.78E+00	1.57E+00	1.39E+00	
NB 98	4.06E+00	1.80E+00	7.94E-01	3.51E-01	1.56E-01	3.05E-02	2.63E-03	2.27E-04	1.98E-05	1.72E-06	1.48E-07	
MO 99	2.30E-03	9.49E-01	9.38E-01	9.30E-01	9.19E-01	9.00E-01	8.74E-01	8.46E-01	8.21E-01	7.96E-01	7.72E-01	
TC 99M	2.14E-08	9.05E-02	1.70E-01	2.40E-01	3.02E-01	4.03E-01	5.11E-01	5.80E-01	6.22E-01	6.46E-01	6.56E-01	
MO 101	9.79E+01	4.42E+01	2.57E+00	1.49E-01	8.63E-03	2.89E-05	5.62E-09	1.09E-12	2.13E-16	4.13E-20	8.06E-24	
TC 101	4.13E+00	1.24E+02	1.35E+01	1.11E+00	8.10E-02	3.65E-04	9.13E-08	2.04E-11	4.34E-15	8.92E-19	1.81E-22	
MO 102	9.36E+02	2.13E+01	4.86E-01	1.11E-02	2.53E-04	1.31E-07	1.56E-12	1.85E-17	2.20E-22	2.61E-27	3.10E-32	
TC 102M	6.02E-01	1.80E+01	4.14E-01	9.45E-03	2.15E-04	1.11E-07	1.32E-12	1.57E-17	1.86E-22	2.21E-27	2.62E-32	
TC 102	2.82E+03	1.07E+01	2.45E-01	5.57E-03	1.27E-04	6.64E-08	7.89E-13	9.36E-18	1.11E-22	1.31E-27	1.56E-32	
RH 103	7.93E-05	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.83E-01	1.83E-01	1.83E-01	1.82E-01	1.82E-01	1.81E-01	
RH 103M	5.29E-09	9.51E-02	1.41E-01	1.63E-01	1.74E-01	1.81E-01	1.83E-01	1.83E-01	1.82E-01	1.82E-01	1.82E-01	
TC 104	7.84E+01	5.63E+01	5.63E+00	5.58E-01	5.52E-02	5.43E-04	5.31E-07	5.19E-10	5.06E-13	4.95E-16	4.83E-19	
RH 105	7.71E-01	2.67E+01	2.28E+01	1.95E+01	1.67E+01	1.22E+01	7.65E+00	4.78E+00	2.99E+00	1.87E+00	1.18E+00	
RH 105M	5.07E-03	2.67E+01	2.28E+01	1.96E+01	1.67E+01	1.23E+01	7.65E+00	4.80E+00	3.00E+00	1.88E+00	1.18E+00	
RH 105	8.33E-09	5.42E-01	1.01E+00	1.39E+00	1.71E+00	2.19E+00	2.62E+00	2.81E+00	2.87E+00	2.84E+00	2.77E+00	
RH 106	7.27E-04	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	
RH 106	7.85E-06	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	
RH 107	2.55E-01	3.47E+01	5.26E+00	7.91E-01	1.19E-01	2.72E-03	9.38E-06	3.24E-08	1.11E-10	3.81E-14	3.79E-17	
PD 107M	5.31E-04	7.06E+00	1.07E+00	1.61E-01	2.43E-02	5.54E-04	1.91E-06	6.59E-09	2.27E-11	7.82E-14	2.67E-16	

G-4

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	1.98E-02	1.65E+00	1.56E+00	1.48E+00	1.41E+00	1.27E+00	1.09E+00	9.36E-01	8.02E-01	6.87E-01	5.91E-01
AG109M	1.14E-04	1.65E+00	1.56E+00	1.49E+00	1.41E+00	1.27E+00	1.09E+00	9.36E-01	8.02E-01	6.87E-01	5.91E-01
PD111M	2.52E+00	2.22E+00	1.95E+00	1.73E+00	1.52E+00	1.18E+00	8.09E-01	5.55E-01	3.80E-01	2.60E-01	1.78E-01
PD111	8.96E-01	1.61E+00	1.55E+00	1.38E+00	1.22E+00	9.48E-01	6.51E-01	4.46E-01	3.05E-01	2.09E-01	1.44E-01
AG111M	7.12E-03	2.18E+00	2.05E+00	1.83E+00	1.61E+00	1.25E+00	8.53E-01	5.85E-01	4.01E-01	2.75E-01	1.88E-01
AG111	2.53E-09	7.51E-03	1.58E-02	2.32E-02	2.98E-02	4.06E-02	5.21E-02	5.97E-02	6.47E-02	6.78E-02	6.97E-02
PD112	5.76E-01	5.58E-01	5.39E-01	5.22E-01	5.06E-01	4.72E-01	4.29E-01	3.88E-01	3.51E-01	3.18E-01	2.88E-01
AG112	1.74E-05	1.10E-01	1.95E-01	2.62E-01	3.11E-01	3.72E-01	4.09E-01	4.07E-01	3.88E-01	3.62E-01	3.34E-01
AG113	5.92E-03	1.27E+00	1.11E+00	9.76E-01	8.56E-01	6.58E-01	4.46E-01	3.01E-01	2.03E-01	1.37E-01	9.27E-02
AG115	1.96E+00	2.10E+00	2.61E+00	3.26E-02	4.08E-03	6.38E-05	1.25E-07	2.44E-10	4.72E-13	4.69E-162	4.35E-16
CD115M	1.60E-08	4.25E-04	4.73E-04	4.84E-04	4.84E-04	4.84E-04	4.83E-04	4.83E-04	4.81E-04	4.80E-04	4.80E-04
CD115	6.18E-06	1.16E-01	1.25E-01	1.25E-01	1.23E-01	1.20E-01	1.16E-01	1.11E-01	1.07E-01	1.03E-01	9.90E-02
IN115M	7.70E-11	1.28E-02	2.86E-02	3.24E-02	5.40E-02	7.20E-02	8.89E-02	9.79E-02	1.02E-01	1.03E-01	1.02E-01
CD117	1.35E-01	2.25E+00	1.69E+00	1.26E+00	9.47E-01	5.31E-01	2.23E-01	9.39E-02	3.95E-02	1.66E-02	6.99E-03
IN117M	6.48E-06	7.81E-01	1.13E+00	1.23E+00	1.19E+00	9.35E-01	5.35E-01	2.74E-01	1.31E-01	6.09E-02	2.75E-02
IN117	2.61E-10	1.42E-01	3.45E-01	4.79E-01	5.35E-01	4.92E-01	3.13E-01	1.68E-01	8.33E-02	3.92E-02	1.80E-02
CD118	8.75E+00	3.75E+00	1.61E+00	6.86E-01	2.94E-01	5.38E-02	4.22E-03	3.30E-04	2.59E-05	2.03E-06	1.59E-07
IN118	5.80E-01	3.75E+00	1.61E+00	6.88E-01	2.94E-01	5.39E-02	4.22E-03	3.31E-04	2.59E-05	2.03E-06	1.59E-07
CD119	2.24E+01	3.49E-01	5.44E-03	8.51E-05	1.33E-06	3.25E-10	1.24E-15	4.74E-21	1.80E-26	6.89E-32	2.64E-37
IN119M	3.37E-02	3.77E+00	4.10E-01	4.14E-02	4.12E-03	4.05E-05	3.95E-08	3.87E-11	3.77E-14	3.69E-17	3.60E-20
IN119	1.66E+00	1.99E-01	2.30E-02	2.34E-03	2.34E-04	2.29E-06	2.24E-09	2.19E-12	2.14E-15	2.09E-18	2.04E-21
SN121	2.87E-03	2.96E-01	2.87E-01	2.80E-01	2.74E-01	2.60E-01	2.40E-01	2.23E-01	2.06E-01	1.91E-01	1.77E-01
SN123M	1.50E+00	2.81E+00	9.95E-01	3.52E-01	1.24E-01	1.55E-02	6.87E-04	3.04E-05	1.35E-06	5.94E-08	2.63E-09
SN123	1.41E-05	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03
SN125	3.43E-02	3.42E-02	3.41E-02	3.40E-02	3.39E-02	3.37E-02	3.34E-02	3.31E-02	3.28E-02	3.24E-02	3.22E-02
SB125	2.06E-04	2.07E-04	2.08E-04	2.09E-04	2.10E-04	2.11E-04	2.15E-04	2.18E-04	2.20E-04	2.23E-04	2.26E-04
SB126	4.48E-03	4.47E-03	4.46E-03	4.45E-03	4.44E-03	4.42E-03	4.39E-03	4.36E-03	4.32E-03	4.30E-03	4.27E-03
SN127	3.84E+00	2.76E+00	1.98E+00	1.43E+00	1.03E+00	5.30E+01	1.97E-01	7.33E-02	2.72E-02	1.01E-02	3.75E-03
SB127	4.48E-02	1.55E-01	1.71E-01	1.82E-01	1.90E-01	1.98E-01	2.01E-01	2.00E-01	1.96E-01	1.92E-01	1.88E-01
TE127	2.53E-02	3.15E-02	3.83E-02	4.54E-02	5.25E-02	6.59E-02	8.44E-02	9.85E-02	1.10E-01	1.18E-01	1.24E-01
SN128	2.26E+01	1.11E+01	5.52E+00	2.73E+00	1.35E+00	3.29E-01	3.97E-02	4.79E-03	5.78E-04	7.01E-05	8.45E-06
SB128M	1.15E-02	1.27E+01	6.59E+00	3.25E+00	1.61E+00	3.93E-01	4.73E-02	5.72E-03	6.89E-04	8.33E-05	1.01E-05
SB128	9.53E-01	9.17E-01	8.63E-01	8.09E-01	7.55E-01	6.47E-01	5.17E-01	4.10E-01	3.25E-01	2.58E-01	2.05E-01
SN129M	1.22E+01	6.07E+00	3.04E+00	1.52E+00	7.61E-01	1.90E-01	2.38E-02	2.98E-03	3.72E-04	4.65E-05	5.81E-06
SN129	8.12E+01	7.97E-01	7.87E-03	7.76E-05	7.61E-07	7.40E-11	7.04E-17	6.73E-23	6.43E-29	6.12E-35	5.86E-41
SB129	4.57E+00	7.66E+00	7.20E+00	6.43E+00	5.65E+00	4.20E+00	2.62E+00	1.62E+00	9.97E-01	6.17E-01	3.79E-01
TE129M	8.64E-08	9.56E-04	1.97E-03	2.89E-03	3.72E-03	5.04E-03	6.37E-03	7.20E-03	7.71E-03	8.02E-03	8.23E-03
TE129	3.29E+00	4.52E+00	5.30E+00	5.50E+00	5.30E+00	4.39E+00	2.92E+00	1.84E+00	1.15E+00	7.09E-01	4.40E-01
SB130M	4.38E-01	8.27E-01	2.17E-03	5.70E-06	1.50E-08	1.04E-13	1.89E-21	3.43E-29	6.22E-37	1.13E-44	2.06E-52
SB130	7.51E+01	2.27E+01	6.46E+00	1.83E+00	5.18E-01	4.17E-02	9.50E-04	2.17E-05	4.94E-07	1.13E-08	2.57E-10

G-5

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	2.09E-02	1.98E-02	1.87E-02	1.77E-02	1.67E-02	1.50E-02	1.26E-02	1.07E-02	9.03E-03	7.65E-03	6.46E-03
SB131	1.56E+02	4.07E+01	6.64E+00	1.09E+00	1.79E-01	4.82E-03	2.12E-05	9.37E-08	4.12E-10	1.82E-12	9.07E-15
TE131M	7.49E-05	3.92E-01	4.47E-01	4.47E-01	4.39E-01	4.19E-01	3.91E-01	3.65E-01	3.41E-01	3.18E-01	2.96E-01
TE131	6.89E+01	7.49E+01	2.44E+01	6.35E+00	1.54E+00	1.45E-01	7.19E-02	6.64E-02	6.20E-02	5.80E-02	5.40E-02
I131	1.00E-02	3.47E-01	5.11E-01	5.60E-01	5.70E-01	5.75E-01	5.75E-01	5.70E-01	5.70E-01	5.65E-01	5.65E-01
TE132	6.72E-01	1.63E+00	1.62E+00	1.60E+00	1.59E+00	1.56E+00	1.52E+00	1.48E+00	1.44E+00	1.40E+00	1.36E+00
I132	1.65E+00	1.64E+00	1.64E+00	1.63E+00	1.62E+00	1.60E+00	1.56E+00	1.52E+00	1.48E+00	1.44E+00	1.41E+00
TE133M	7.60E-02	2.63E+01	1.15E+01	4.99E+00	2.17E+00	4.13E-01	3.39E-02	2.80E-03	2.31E-04	1.90E-05	1.57E-06
TE133	4.27E+02	2.42E+01	2.69E+00	8.90E-01	3.76E-01	7.13E-02	5.90E-03	4.85E-04	4.02E-05	3.30E-06	2.73E-07
I133	6.62E-01	7.13E+00	7.71E+00	7.71E+00	7.56E+00	7.17E+00	6.51E+00	5.90E+00	5.32E+00	4.85E+00	4.38E+00
XE133M	2.82E-08	1.60E-03	3.87E-03	6.19E-03	8.43E-03	1.27E-02	1.83E-02	2.33E-02	2.74E-02	3.10E-02	3.40E-02
XE133	4.92E-07	2.80E-02	6.80E-02	1.09E-01	1.49E-01	2.26E-01	3.31E-01	4.23E-01	5.07E-01	5.79E-01	6.44E-01
TE134	1.36E+02	6.31E+01	2.35E+01	8.73E+00	3.24E+00	4.49E-01	2.29E-02	1.18E-03	6.02E-05	3.09E-06	1.59E-07
I134	6.23E+01	8.34E+01	5.84E+01	3.42E+01	1.84E+01	4.67E+00	5.13E-01	5.24E-02	5.13E-03	4.92E-04	4.67E-05
I135	1.13E+01	2.00E+01	1.80E+01	1.62E+01	1.47E+01	1.19E+01	8.73E+00	6.39E+00	4.69E+00	3.45E+00	2.52E+00
XE135M	1.25E-03	5.77E+00	5.61E+00	5.08E+00	4.56E+00	3.72E+00	2.73E+00	2.00E+00	1.47E+00	1.08E+00	7.89E-01
XE135	1.31E+00	2.58E+00	3.78E+00	4.76E+00	5.54E+00	6.65E+00	7.37E+00	7.40E+00	7.04E+00	6.42E+00	5.74E+00
CS136	2.13E-02	2.12E-02	2.12E-02	2.12E-02	2.11E-02	2.10E-02	2.08E-02	2.07E-02	2.06E-02	2.04E-02	2.03E-02
CS137	5.80E-05	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04
BA137M	1.22E-07	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04
XE138	3.58E+02	3.08E+01	2.68E+00	2.32E-01	2.01E-02	1.51E-04	9.81E-08	6.36E-11	4.14E-14	2.69E-17	1.75E-20
CS138	5.33E+01	8.97E+01	3.11E+01	9.14E+00	2.56E+00	1.95E-01	4.06E-03	8.42E-05	1.75E-06	3.64E-08	7.53E-10
CS139	4.35E+02	1.39E+01	1.74E-01	2.19E-03	2.75E-05	4.31E-09	8.58E-15	1.70E-20	3.36E-26	6.66E-32	1.31E-37
BA139	8.04E+00	8.96E+01	5.52E+01	3.36E+01	2.03E+01	7.45E+00	1.65E+00	3.67E-01	8.16E-02	1.81E-02	4.02E-03
BA140	5.59E-02	3.49E-01	3.49E-01	3.46E-01	3.46E-01	3.43E-01	3.43E-01	3.41E-01	3.38E-01	3.36E-01	3.33E-01
LA140	1.33E-07	5.96E-03	1.18E-02	1.75E-02	2.32E-02	3.41E-02	4.98E-02	6.44E-02	7.83E-02	9.13E-02	1.04E-01
BA141	7.98E+01	2.41E+01	2.40E+00	2.38E-01	2.36E-02	2.34E-04	2.28E-07	2.22E-10	2.17E-13	2.13E-16	2.07E-19
LA141	7.38E-01	1.56E+01	1.46E+01	1.24E+01	1.04E+01	7.26E+00	4.26E+00	2.49E+00	1.47E+00	8.59E-01	5.04E-01
CE141	9.13E-08	1.02E-02	2.38E-02	3.57E-02	4.58E-02	6.14E-02	7.62E-02	8.48E-02	6.97E-02	9.26E-02	9.41E-02
BA142	1.44E+02	5.73E+00	1.31E-01	2.98E-03	6.79E-05	3.53E-08	4.19E-13	4.97E-18	5.90E-23	7.00E-28	8.31E-33
LA142	3.31E+00	2.30E+01	1.51E+01	9.64E+00	6.13E+00	2.48E+00	6.40E-01	1.65E-01	4.25E-02	1.09E-02	2.82E-03
LA143	4.83E+01	9.41E+00	4.83E-01	2.48E-02	1.27E-03	3.34E-06	4.50E-10	6.07E-14	8.17E-18	1.10E-21	1.49E-25
CE143	1.93E-02	1.23E+00	1.27E+00	1.24E+00	1.22E+00	1.17E+00	1.10E+00	1.03E+00	9.68E-01	9.09E-01	8.53E-01
PR143	5.64E-09	1.88E-03	4.54E-03	7.18E-03	9.76E-03	1.48E-02	2.18E-02	2.84E-02	3.45E-02	4.02E-02	4.55E-02
CE144	7.33E-04	5.25E-03	5.25E-03	5.25E-03	5.25E-03	5.25E-03	5.24E-03	5.24E-03	5.24E-03	5.24E-03	5.24E-03
PR144	2.01E-07	4.78E-03	5.21E-03	5.24E-03	5.25E-03	5.25E-03	5.25E-03	5.25E-03	5.24E-03	5.24E-03	5.24E-03
PR145	3.28E-02	4.82E+00	4.28E+00	3.81E+00	3.40E+00	2.69E+00	1.90E+00	1.34E+00	9.50E-01	6.70E-01	4.74E-01
CE146	1.08E+02	5.56E+00	2.85E-01	1.46E-02	7.50E-04	1.98E-06	2.66E-10	3.59E-14	4.83E-18	6.51E-22	8.78E-26
PR146	2.24E+00	1.95E+01	4.42E+00	8.31E-01	1.50E-01	4.70E-03	2.60E-05	1.43E-07	7.93E-10	4.39E-12	2.40E-14
PR147	1.25E+01	3.61E+00	1.13E-01	3.52E-03	1.10E-04	1.07E-07	3.28E-12	1.00E-16	3.06E-21	9.34E-26	2.85E-30

G-6

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	4.45E-06	8.38E-02	8.62E-02	8.60E-02	8.58E-02	8.54E-02	8.47E-02	8.40E-02	8.34E-02	8.27E-02	8.21E-02
ND149	8.01E+00	5.45E+00	3.71E+00	2.53E+00	1.71E+00	7.95E-01	2.50E-01	7.88E-02	2.48E-02	7.81E-03	2.47E-03
PM149	1.12E-03	8.72E-02	1.45E-01	1.83E-01	2.07E-01	2.33E-01	2.42E-01	2.38E-01	2.32E-01	2.22E-01	2.15E-01
PM150	1.02E-01	7.86E-02	6.09E-02	4.70E-02	3.63E-02	2.18E-02	1.01E-02	4.67E-03	2.16E-03	1.00E-03	4.63E-04
ND151	4.13E+01	1.29E+00	4.04E-02	1.26E-03	3.94E-05	3.85E-08	1.18E-12	3.59E-17	1.09E-21	3.34E-26	1.02E-30
PM151	2.62E-02	3.06E-01	3.08E-01	3.00E-01	2.93E-01	2.78E-01	2.58E-01	2.40E-01	2.23E-01	2.06E-01	1.92E-01
PM152	7.00E+01	6.85E-02	6.67E-05	6.52E-08	6.37E-11	6.08E-17	5.66E-26	5.28E-35	4.92E-44	4.60E-53	4.27E-62
SM153	1.02E-01	1.00E-01	9.88E-02	9.73E-02	9.59E-02	9.31E-02	8.91E-02	8.51E-02	8.15E-02	7.81E-02	7.46E-02
SM155	7.16E+00	1.18E+00	1.93E-01	3.16E-02	5.17E-03	1.39E-04	6.14E-07	2.70E-09	1.19E-11	5.31E-14	1.30E-16
EU155	5.27E-06	1.50E-04	1.74E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04
SM156	1.59E-01	1.48E-01	1.37E-01	1.27E-01	1.18E-01	1.02E-01	8.18E-02	6.56E-02	5.26E-02	4.21E-02	3.37E-02
EU156	4.65E-04	7.59E-04	1.03E-03	1.28E-03	1.52E-03	1.93E-03	2.46E-03	2.85E-03	3.19E-03	3.44E-03	3.62E-03
EU157	2.41E-02	7.97E-02	7.61E-02	7.27E-02	6.94E-02	6.34E-02	5.53E-02	4.83E-02	4.21E-02	3.66E-02	3.20E-02
EU158	1.13E+00	4.57E-01	1.85E-01	7.49E-02	3.03E-02	4.96E-03	3.31E-04	2.19E-05	1.46E-06	9.66E-08	6.42E-09
EU159	1.34E+00	1.33E-01	1.32E-02	1.31E-03	1.30E-04	1.28E-06	1.25E-09	1.22E-12	1.19E-15	1.16E-18	1.14E-21
GD159	5.73E-03	2.51E-02	2.61E-02	2.53E-02	2.44E-02	2.26E-02	2.01E-02	1.79E-02	1.60E-02	1.42E-02	1.27E-02
TB161	1.02E-04	7.31E-04	7.27E-04	7.24E-04	7.22E-04	7.15E-04	7.07E-04	6.98E-04	6.88E-04	6.81E-04	6.72E-04
TOTAL	6.95E+03	1.37E+03	5.38E+02	3.31E+02	2.44E+02	1.66E+02	1.16E+02	9.00E+01	7.31E+01	6.12E+01	5.23E+01

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	2.44E-03	2.41E-03	2.38E-03	2.29E-03	2.14E-03	1.88E-03	1.65E-03	1.27E-03	6.65E-04	1.81E-04	4.91E-05	
NA 24	1.32E+01	4.36E+00	1.44E+00	5.16E-02	2.02E-04	3.09E-09	4.71E-14	1.10E-23	0.	0.	0.	0.
MN 54	8.02E-03	7.95E-03	7.95E-03	7.80E-03	7.73E-03	7.59E-03	7.45E-03	7.10E-03	6.34E-03	5.04E-03	4.02E-03	
FE 55	1.83E-02	1.83E-02	1.83E-02	1.82E-02	1.82E-02	1.81E-02	1.79E-02	1.77E-02	1.70E-02	1.59E-02	1.47E-02	
FE 59	6.98E-03	6.87E-03	6.77E-03	6.46E-03	5.98E-03	5.13E-03	4.40E-03	3.23E-03	1.50E-03	3.20E-04	6.87E-05	
CG 57	5.99E-05	5.99E-05	5.94E-05	5.94E-05	5.85E-05	5.68E-05	5.54E-05	5.28E-05	4.66E-05	3.60E-05	2.78E-05	
CG 58	6.95E-04	6.89E-04	6.81E-04	6.61E-04	6.31E-04	5.72E-04	5.19E-04	4.27E-04	2.63E-04	9.95E-05	3.75E-05	
CG 60	9.99E-04	9.99E-04	9.99E-04	9.99E-04	9.93E-04	9.93E-04	9.87E-04	9.82E-04	9.58E-04	9.28E-04	8.93E-04	
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	1.57E-03	1.56E-03	1.55E-03	1.53E-03	1.48E-03	1.40E-03	1.32E-03	1.18E-03	8.85E-04	4.98E-04	2.81E-04	
W185	1.83E-03	1.81E-03	1.78E-03	1.75E-03	1.67E-03	1.52E-03	1.39E-03	1.15E-03	7.27E-04	2.89E-04	1.15E-04	
W187	4.73E+00	2.36E+00	1.17E+00	1.46E-01	4.48E-03	4.27E-06	4.04E-09	3.64E-17	0.	0.	0.	0.
W188	7.89E-06	7.80E-06	7.72E-06	7.50E-06	7.15E-06	6.45E-06	5.84E-06	4.79E-06	2.90E-06	1.07E-06	3.94E-07	
AU198	3.48E-02	2.68E-02	2.08E-02	9.61E-03	2.65E-03	2.03E-04	1.55E-05	9.09E-08	2.37E-13	0.	0.	0.
AU199	3.73E+00	2.99E+00	2.40E+00	1.24E+00	4.10E-01	4.51E-02	4.95E-03	5.99E-05	9.65E-10	2.50E-19	0.	0.
PB203	6.15E-02	4.46E-02	1.71E-02	3.46E-03	1.42E-04	5.84E-06	9.82E-09	1.15E-15	0.	0.	0.	0.
U237	2.18E-02	1.97E-02	1.77E-02	1.31E-02	7.80E-03	2.80E-03	1.00E-03	1.28E-04	7.57E-07	8.14E-11	5.49E-11	
U240	4.69E-03	1.45E-03	4.43E-04	1.29E-05	3.53E-08	2.65E-13	2.00E-18	1.13E-28	0.	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	7.49E-04	1.14E+00	8.52E-01	3.52E-01	8.05E-02	4.21E-03	2.20E-04	6.04E-07	2.38E-13	5.67E-23	5.67E-23	
NP240M	7.42E-06	1.45E-03	4.47E-04	1.29E-05	3.56E-08	2.68E-13	2.01E-18	1.14E-28	0.	0.	0.	0.
AM241	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.55E-05	
CM242	2.28E-04	2.27E-04	2.26E-04	2.24E-04	2.19E-04	2.09E-04	2.01E-04	1.84E-04	1.50E-04	9.77E-05	6.39E-05	
GE 77	6.86E-03	4.32E-03	9.89E-04	1.19E-05	7.60E-09	3.08E-15	1.24E-21	2.03E-34	0.	0.	0.	0.
AS 77	7.09E-05	1.05E-02	7.58E-03	2.19E-03	2.57E-04	3.48E-06	4.73E-08	8.72E-12	4.04E-21	8.67E-40	1.86E-58	
SE 77M	2.80E-09	3.15E-05	2.27E-05	6.58E-06	7.68E-07	1.04E-08	1.42E-10	2.62E-14	1.21E-23	2.59E-42	5.59E-61	
AS 78	1.67E-02	1.49E-04	4.36E-09	3.68E-23	0.	0.	0.	0.	0.	0.	0.	0.
BR 82	2.91E-04	1.82E-04	1.14E-04	2.76E-05	2.61E-06	2.35E-08	2.11E-10	1.70E-14	9.94E-25	3.41E-45	1.16E-65	
BR 83	1.99E-01	5.25E-03	5.28E-06	5.36E-15	5.48E-30	0.	0.	0.	0.	0.	0.	0.
KR 83M	1.03E-05	2.30E-02	2.61E-05	2.35E-14	2.41E-29	0.	0.	0.	0.	0.	0.	0.
KR 85M	1.57E-03	8.98E-02	2.05E-03	2.43E-08	1.50E-16	5.69E-33	2.16E-49	0.	0.	0.	0.	0.
KR 85	1.63E-06	4.27E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.33E-05	4.29E-05	4.21E-05	4.15E-05	
KR 87	2.34E+01	4.62E-05	9.14E-11	7.09E-28	0.	0.	0.	0.	0.	0.	0.	0.
KR 88	1.25E+01	3.30E-02	8.65E-05	1.57E-12	1.98E-25	0.	0.	0.	0.	0.	0.	0.
RB 88	3.19E+00	3.68E-02	9.69E-05	1.76E-12	2.21E-25	0.	0.	0.	0.	0.	0.	0.
SR 89	1.30E-06	3.90E-02	3.85E-02	3.69E-02	3.47E-02	3.03E-02	2.65E-02	2.04E-02	1.04E-02	2.74E-03	7.24E-04	
SR 90	2.49E-06	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.54E-04	2.54E-04	2.52E-04	
Y 90	3.70E-12	5.87E-05	1.04E-04	1.87E-04	2.38E-04	2.54E-04	2.56E-04	2.56E-04	2.54E-04	2.54E-04	2.52E-04	
SR 91	3.17E-01	1.14E+00	2.04E-01	1.17E-03	2.14E-07	7.24E-15	2.45E-22	2.79E-37	0.	0.	0.	0.

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	2.14E-05	7.34E-01	1.31E-01	7.54E-04	1.38E-07	4.67E-15	1.58E-22	1.80E-37	0.	0.	0.	0.
Y 91	8.74E-09	3.49E-02	4.13E-02	4.13E-02	3.89E-02	3.45E-02	3.07E-02	2.43E-02	1.35E-02	4.15E-03	1.28E-03	0.
SR 92	2.05E+00	2.56E-02	5.52E-05	5.55E-13	2.60E-26	0.	0.	0.	0.	0.	0.	0.
Y 92	9.47E-02	2.69E-01	2.98E-03	2.29E-09	1.34E-19	4.58E-40	1.57E-60	0.	0.	0.	0.	0.
Y 93	1.15E-01	7.80E-01	1.52E-01	1.14E-03	3.29E-07	2.72E-14	2.24E-21	1.53E-35	0.	0.	0.	0.
ZR 95	2.48E-04	3.10E-02	3.07E-02	2.97E-02	2.82E-02	2.52E-02	2.27E-02	1.84E-02	1.08E-02	3.71E-03	1.27E-03	0.
NB 95M	5.27E-12	1.05E-04	1.91E-04	3.65E-04	4.92E-04	5.20E-04	4.79E-04	3.89E-04	2.28E-04	7.86E-05	2.71E-05	0.
NB 95	2.76E-11	5.99E-04	1.18E-03	2.84E-03	5.27E-03	9.10E-03	1.17E-02	1.46E-02	1.40E-02	6.74E-03	2.59E-03	0.
ZR 97	6.74E-01	1.15E+00	4.32E-01	2.29E-02	1.72E-04	9.67E-09	5.43E-13	1.72E-21	9.69E-43	0.	0.	0.
NB 97M	3.47E-03	1.10E+00	4.14E-01	2.21E-02	1.65E-04	9.29E-09	5.22E-13	1.65E-21	9.32E-43	0.	0.	0.
NB 97	3.38E-01	1.15E+00	4.33E-01	2.30E-02	1.73E-04	1.04E-08	5.85E-13	1.86E-21	1.04E-42	0.	0.	0.
MO 99	2.30E-03	7.48E-01	5.84E-01	2.77E-01	8.01E-02	6.69E-03	5.58E-04	3.89E-06	1.58E-11	2.61E-22	4.29E-33	0.
TC 99M	2.14E-08	6.57E-01	5.53E-01	2.65E-01	7.64E-02	6.38E-03	5.33E-04	3.72E-06	1.51E-11	2.49E-22	4.10E-33	0.
RU103	7.93E-05	1.81E-01	1.77E-01	1.68E-01	1.55E-01	1.30E-01	1.09E-01	7.68E-02	3.19E-02	5.54E-03	9.66E-04	0.
RH103M	5.29E-09	1.81E-01	1.78E-01	1.69E-01	1.55E-01	1.30E-01	1.09E-01	7.68E-02	3.20E-02	5.54E-03	9.66E-04	0.
RU105	7.71E-01	7.37E-01	1.73E-02	2.28E-07	1.67E-15	8.89E-32	4.77E-48	0.	0.	0.	0.	0.
RH105M	5.07E-03	7.37E-01	1.74E-02	2.28E-07	1.67E-15	8.94E-32	4.78E-48	0.	0.	0.	0.	0.
RH105	8.33E-09	2.66E+00	1.74E+00	4.33E-01	4.27E-02	4.15E-04	4.03E-06	3.81E-10	3.30E-20	2.48E-40	1.86E-60	0.
RU106	7.27E-04	1.38E-02	1.37E-02	1.36E-02	1.35E-02	1.33E-02	1.30E-02	1.25E-02	1.14E-02	9.41E-03	7.80E-03	0.
RH106	7.86E-06	1.38E-02	1.37E-02	1.36E-02	1.35E-02	1.33E-02	1.30E-02	1.25E-02	1.14E-02	9.41E-03	7.80E-03	0.
PD109	1.98E-02	5.05E-01	1.47E-01	3.65E-03	7.69E-06	3.43E-11	1.53E-16	3.02E-27	0.	0.	0.	0.
AG109M	1.14E-04	5.05E-01	1.47E-01	3.65E-03	7.72E-06	3.43E-11	1.53E-16	3.02E-27	0.	0.	0.	0.
PD111M	2.52E+00	1.22E-01	5.93E-03	6.81E-07	1.84E-13	1.34E-26	9.86E-40	0.	0.	0.	0.	0.
PD111	8.96E-01	9.86E-02	4.77E-03	5.47E-07	1.48E-13	1.08E-26	7.91E-40	0.	0.	0.	0.	0.
AG111M	7.12E-03	1.29E-01	6.26E-03	7.20E-07	1.94E-13	1.43E-26	1.04E-39	0.	0.	0.	0.	0.
AG111	2.53E-09	6.99E-02	6.72E-02	5.12E-02	3.22E-02	1.28E-02	5.07E-03	7.99E-04	7.86E-06	7.61E-10	7.38E-14	0.
PD112	5.76E-01	2.62E-01	1.18E-01	1.10E-02	2.09E-04	7.59E-08	2.76E-11	3.62E-18	2.28E-35	0.	0.	0.
AG112	1.74E-05	3.04E-01	1.40E-01	1.30E-02	2.48E-04	8.96E-08	3.25E-11	4.29E-18	2.69E-35	0.	0.	0.
AG113	5.92E-03	6.26E-02	2.71E-03	2.20E-07	3.37E-14	7.88E-28	1.84E-41	0.	0.	0.	0.	0.
CD115M	1.60E-08	4.62E-04	4.55E-04	4.33E-04	4.00E-04	3.40E-04	2.90E-04	2.10E-04	9.37E-05	1.86E-05	3.72E-06	0.
CD115	6.18E-06	9.30E-02	6.81E-02	2.68E-02	5.66E-03	2.53E-04	1.13E-05	2.25E-08	3.97E-15	1.24E-28	3.90E-42	0.
IN115M	7.70E-11	9.81E-02	7.43E-02	2.93E-02	6.18E-03	2.76E-04	1.23E-05	2.45E-08	4.35E-15	1.36E-28	4.25E-42	0.
CD117	1.35E-01	2.94E-03	2.86E-06	2.67E-15	2.37E-30	0.	0.	0.	0.	0.	0.	0.
IN117M	6.48E-06	1.22E-02	1.41E-05	1.36E-14	1.21E-29	0.	0.	0.	0.	0.	0.	0.
IN117	2.61E-10	8.05E-03	9.54E-06	9.24E-15	8.19E-30	0.	0.	0.	0.	0.	0.	0.
SN121	2.87E-03	1.64E-01	8.83E-02	1.39E-02	6.38E-04	1.35E-06	2.84E-09	1.27E-14	5.29E-28	0.	0.	0.
SN123	1.41E-05	1.48E-03	1.46E-03	1.44E-03	1.40E-03	1.32E-03	1.25E-03	1.12E-03	8.49E-04	4.88E-04	2.81E-04	0.
SN125	3.43E-02	3.19E-02	2.96E-02	2.37E-02	1.64E-02	7.86E-03	3.75E-03	8.59E-04	2.15E-05	1.35E-08	8.47E-12	0.
SB125	2.06E-04	2.28E-04	2.50E-04	3.05E-04	3.74E-04	4.53E-04	4.88E-04	5.09E-04	4.99E-04	4.66E-04	4.34E-04	0.
SB126	4.48E-03	4.24E-03	4.01E-03	3.40E-03	2.57E-03	1.47E-03	8.51E-04	2.80E-04	1.75E-05	8.51E-08	1.71E-08	0.

G-9

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	3.84E+00	1.39E-03	5.06E-07	2.41E-17	1.51E-34	0.	0.	0.	0.	0.	0.	0.
SB127	4.48E-02	1.84E-01	1.54E-01	8.99E-02	3.68E-02	6.15E-03	1.03E-03	2.88E-05	3.75E-09	6.40E-17	1.09E-24	0.
TE127M	3.63E-10	2.81E-04	5.14E-04	9.98E-04	1.38E-03	1.52E-03	1.47E-03	1.30E-03	9.48E-04	5.01E-04	2.65E-04	2.62E-04
TE127	2.53E-02	1.32E-01	1.29E-01	7.88E-02	3.33E-02	6.84E-03	2.34E-03	1.31E-03	9.36E-04	4.95E-04	2.62E-04	0.
SB128	9.53E-01	1.62E-01	2.56E-02	1.00E-04	9.71E-09	9.11E-17	8.57E-25	7.55E-41	0.	0.	0.	0.
SB129	4.57E+00	2.34E-01	4.88E-03	4.45E-08	1.77E-16	2.79E-33	4.41E-50	0.	0.	0.	0.	0.
TE129M	8.64E-08	9.10E-03	9.10E-03	8.59E-03	7.76E-03	6.32E-03	5.14E-03	3.42E-03	1.23E-03	1.61E-04	2.09E-05	0.
TE129	3.29E+00	2.74E-01	1.14E-02	5.50E-03	4.96E-03	4.05E-03	3.30E-03	2.20E-03	7.92E-04	1.03E-04	1.34E-05	0.
I130	2.09E-02	5.46E-03	1.43E-03	2.56E-05	3.12E-08	4.65E-14	6.94E-20	1.54E-31	0.	0.	0.	0.
TE131M	7.49E-05	2.62E-01	1.50E-01	2.85E-02	1.78E-03	6.94E-06	2.72E-08	4.14E-13	3.77E-25	0.	0.	0.
TE131	6.89E+01	4.77E-02	2.74E-02	5.21E-03	3.25E-04	1.27E-06	4.95E-09	7.59E-14	6.89E-26	0.	0.	0.
I131	1.00E-02	5.40E-01	5.11E-01	4.10E-01	2.70E-01	1.14E-01	4.83E-02	8.63E-03	1.17E-04	2.12E-08	3.87E-12	0.
XE131M	2.72E-11	2.50E-04	4.75E-04	9.92E-04	1.42E-03	1.40E-03	1.04E-03	4.30E-04	2.87E-05	8.58E-08	2.42E-10	0.
TE132	6.72E-01	1.33E+00	1.07E+00	5.66E-01	1.95E-01	2.31E-02	2.74E-03	3.85E-05	8.99E-10	4.92E-19	2.69E-28	0.
I132	1.65E+00	1.37E+00	1.11E+00	5.82E-01	2.01E-01	2.38E-02	2.82E-03	3.96E-05	9.28E-10	5.05E-19	2.77E-28	0.
I133	6.62E-01	3.69E+00	1.66E+00	1.55E-01	2.95E-03	1.07E-06	3.87E-10	5.10E-17	3.21E-34	0.	0.	0.
XE133M	2.82E-08	3.49E-02	4.13E-02	2.42E-02	5.68E-03	2.67E-04	1.24E-05	2.69E-08	5.90E-15	2.82E-28	1.35E-41	0.
XE133	4.92E-07	6.70E-01	8.98E-01	8.03E-01	4.38E-01	1.18E-01	3.18E-02	2.29E-03	3.19E-06	6.19E-12	1.20E-17	0.
I135	1.13E+01	1.85E+00	1.54E-01	8.99E-05	3.65E-10	6.03E-21	9.91E-32	2.69E-53	0.	0.	0.	0.
XE135M	1.25E-03	5.77E-01	4.82E-02	2.81E-05	1.14E-10	1.88E-21	3.09E-32	8.41E-54	0.	0.	0.	0.
XE135	1.31E+00	4.99E+00	1.22E+00	6.97E-03	8.54E-07	1.20E-14	1.68E-22	3.32E-38	0.	0.	0.	0.
CS136	2.13E-02	2.02E-02	1.91E-02	1.63E-02	1.25E-02	7.33E-03	4.31E-03	1.48E-03	1.03E-04	4.96E-07	2.40E-09	0.
CS137	5.80E-05	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.25E-04	6.21E-04	6.18E-04	6.14E-04	0.
BA137M	1.22E-07	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.80E-04	5.76E-04	5.73E-04	0.
BA139	8.04E+00	8.58E-04	5.06E-09	1.04E-24	0.	0.	0.	0.	0.	0.	0.	0.
BA140	5.59E-02	3.30E-01	3.14E-01	2.66E-01	2.03E-01	1.18E-01	6.87E-02	2.33E-02	1.56E-03	6.92E-06	3.06E-08	0.
LA140	1.33E-07	1.15E-01	1.85E-01	2.56E-01	2.27E-01	1.36E-01	7.91E-02	2.69E-02	1.79E-03	7.96E-06	3.54E-08	0.
LA141	7.38E-01	2.93E-01	4.11E-03	1.14E-08	6.22E-18	1.86E-36	5.53E-55	0.	0.	0.	0.	0.
CE141	9.13E-08	1.01E-01	1.00E-01	9.43E-02	8.46E-02	6.84E-02	5.51E-02	3.59E-02	1.23E-02	1.45E-03	1.71E-04	0.
LA142	3.31E+00	7.26E-04	1.40E-08	1.03E-22	0.	0.	0.	0.	0.	0.	0.	0.
CE143	1.93E-02	7.93E-01	4.79E-01	1.06E-01	8.49E-03	5.49E-05	3.55E-07	1.49E-11	1.68E-22	0.	0.	0.
PR143	5.64E-09	5.07E-02	7.89E-02	1.02E-01	8.74E-02	5.32E-02	3.21E-02	1.16E-02	9.29E-04	5.90E-06	3.74E-08	0.
CE144	7.33E-04	5.24E-03	5.22E-03	5.18E-03	5.12E-03	5.00E-03	4.88E-03	4.65E-03	4.11E-03	3.22E-03	2.53E-03	0.
PR144	2.01E-07	5.24E-03	5.22E-03	5.18E-03	5.12E-03	5.00E-03	4.88E-03	4.65E-03	4.11E-03	3.22E-03	2.53E-03	0.
PR145	3.28E-02	3.35E-01	2.07E-02	4.92E-06	4.48E-12	3.71E-24	3.08E-36	0.	0.	0.	0.	0.
ND147	4.45E-06	7.48E-02	7.03E-02	5.84E-02	4.27E-02	2.29E-02	1.22E-02	3.52E-03	1.54E-04	3.00E-07	5.82E-10	0.
PM147	1.24E-14	5.60E-05	1.08E-04	2.48E-04	4.28E-04	6.53E-04	7.72E-04	8.60E-04	8.68E-04	8.09E-04	7.52E-04	0.
ND149	8.01E+00	7.75E-04	7.51E-08	6.84E-20	5.84E-40	0.	0.	0.	0.	0.	0.	0.
PM149	1.12E-03	2.06E-01	1.51E-01	5.89E-02	1.23E-02	5.36E-04	2.33E-05	4.43E-08	6.99E-15	1.73E-28	4.30E-42	0.
PM150	1.02E-01	2.15E-04	4.52E-07	4.25E-15	1.78E-28	0.	0.	0.	0.	0.	0.	0.

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	2.62E-02	1.78E-01	9.84E-02	1.66E-02	8.50E-04	2.23E-06	5.88E-09	4.06E-14	5.09E-27	0.	0.	0.
SM153	1.02E-01	7.14E-02	5.01E-02	1.73E-02	2.94E-03	8.57E-05	2.49E-06	2.09E-09	4.31E-17	1.84E-32	7.81E-48	0.
SM156	1.59E-01	2.71E-02	4.62E-03	2.28E-05	3.28E-09	6.74E-17	1.39E-24	5.92E-40	0.	0.	0.	0.
EU155	5.27E-06	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.77E-04	1.76E-04	1.75E-04	1.72E-04	1.65E-04	1.58E-04	1.58E-04
EU156	4.65E-04	3.78E-03	4.19E-03	3.76E-03	2.98E-03	1.87E-03	1.18E-03	4.69E-04	4.65E-05	4.58E-07	4.51E-09	0.
EU157	2.41E-02	2.78E-02	9.35E-03	3.51E-04	1.47E-06	2.60E-11	4.60E-16	1.43E-25	0.	0.	0.	0.
GD159	5.73E-03	1.13E-02	4.49E-03	2.80E-04	2.76E-06	2.67E-10	2.59E-14	2.43E-22	2.07E-42	0.	0.	0.
TB161	1.02E-04	6.64E-04	6.00E-04	4.44E-04	2.69E-04	9.83E-05	3.60E-05	4.82E-06	3.19E-08	1.38E-12	6.00E-17	0.
TOTAL	1.88E+02	4.51E+01	2.09E+01	7.33E+00	3.15E+00	1.24E+00	7.56E-01	4.29E-01	1.98E-01	8.36E-02	5.29E-02	0.

PALANQUIN MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	2.44E-03	2.11E-05	1.96E-06	1.82E-07	1.46E-10	1.17E-13	8.76E-18	5.62E-24	0.	0.	0.
MN 54	8.02E-03	3.46E-03	2.28E-03	1.50E-03	4.29E-04	1.22E-04	2.30E-05	1.88E-06	4.41E-10	1.60E-15	5.78E-21
FE 59	6.98E-03	2.52E-05	1.51E-06	9.09E-08	1.97E-11	4.26E-15	5.55E-20	2.60E-27	0.	0.	0.
CO 57	5.99E-05	2.36E-05	1.48E-05	9.27E-06	2.28E-06	5.63E-07	8.69E-09	5.28E-09	4.61E-13	3.79E-19	0.
CO 58	6.95E-04	2.00E-05	3.39E-06	5.74E-07	2.79E-09	1.36E-11	1.12E-14	2.66E-19	1.02E-34	0.	0.
CO 60	9.99E-04	8.75E-04	8.16E-04	7.63E-04	6.27E-04	5.15E-04	3.96E-04	2.67E-04	7.15E-05	9.93E-06	1.37E-06
W181	1.57E-03	1.93E-04	6.83E-05	2.39E-05	1.03E-05	4.49E-08	6.83E-10	1.28E-12	1.05E-21	0.	0.
W185	1.83E-03	6.30E-05	1.17E-05	2.16E-06	1.37E-08	8.78E-11	1.03E-13	4.19E-18	0.	0.	0.
W188	7.89E-06	2.05E-07	3.33E-08	5.34E-09	2.25E-11	9.44E-14	6.39E-17	1.13E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.18E-02	5.44E-11	5.30E-11	5.16E-11	4.82E-11	4.48E-11	4.07E-11	3.53E-11	2.20E-11	1.08E-11	5.30E-12
AM241	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.57E-05	5.60E-05	5.63E-05	5.65E-05	5.65E-05	5.60E-05	5.52E-05
CM242	2.28E-04	4.84E-05	2.22E-05	1.02E-05	9.97E-07	9.71E-08	4.35E-09	4.12E-11	1.18E-15	1.10E-15	1.03E-15
KR 85	1.63E-06	4.04E-05	3.92E-05	3.79E-05	3.45E-05	3.12E-05	2.74E-05	2.26E-05	1.20E-05	4.56E-06	1.74E-06
SR 89	1.30E-06	3.05E-04	2.67E-05	2.34E-06	1.58E-09	1.06E-12	6.28E-17	2.86E-23	2.08E-44	0.	0.
SR 90	2.49E-06	2.49E-04	2.47E-04	2.45E-04	2.36E-04	2.27E-04	2.16E-04	2.00E-04	1.57E-04	1.08E-04	7.48E-05
Y 90	3.70E-12	2.49E-04	2.47E-04	2.45E-04	2.36E-04	2.27E-04	2.16E-04	2.00E-04	1.57E-04	1.08E-04	7.48E-05
Y 91	8.74E-09	5.91E-04	6.86E-05	7.98E-06	1.25E-08	1.96E-11	3.59E-15	8.82E-21	1.78E-39	0.	0.
ZR 95	2.48E-04	6.37E-04	9.09E-05	1.29E-05	3.77E-08	1.10E-10	4.54E-14	3.84E-19	4.70E-36	0.	0.
NB 95M	5.27E-12	1.35E-05	1.92E-06	2.75E-07	7.99E-10	2.33E-12	9.63E-16	8.13E-21	9.97E-38	0.	0.
NB 95	2.76E-11	1.37E-03	1.97E-04	2.80E-05	8.13E-08	2.36E-10	9.85E-14	8.32E-19	1.02E-35	0.	0.
RU103	7.93E-05	3.08E-04	1.26E-05	5.19E-07	3.54E-11	2.43E-15	6.81E-21	3.20E-29	0.	0.	0.
RH103M	5.29E-09	3.09E-04	1.26E-05	5.19E-07	3.54E-11	2.43E-15	6.81E-21	3.21E-29	0.	0.	0.
RU106	7.27E-04	6.91E-03	4.89E-03	3.47E-03	1.23E-03	4.38E-04	1.10E-04	1.39E-05	1.41E-08	4.52E-13	1.45E-17
RH106	7.86E-06	6.91E-03	4.89E-03	3.47E-03	1.23E-03	4.38E-04	1.10E-04	1.39E-05	1.41E-08	4.52E-13	1.45E-17
SN123	1.41E-05	1.95E-04	7.09E-05	2.58E-05	1.24E-06	5.93E-08	1.03E-09	2.38E-12	3.82E-21	2.46E-34	1.58E-47
SB125	2.06E-04	4.15E-04	3.65E-04	3.21E-04	2.19E-04	1.49E-04	8.89E-05	4.11E-05	3.16E-06	6.73E-08	1.43E-09
TE125M	5.54E-12	1.69E-04	1.50E-04	1.33E-04	9.05E-05	6.15E-05	3.68E-05	1.70E-05	1.31E-06	2.79E-08	5.93E-10
TE127M	3.63E-10	1.74E-04	5.43E-05	1.70E-05	5.23E-07	1.61E-08	1.55E-10	1.45E-13	1.19E-23	8.93E-39	6.65E-54
TE127	2.53E-02	1.72E-04	5.37E-05	1.68E-05	5.17E-07	1.59E-08	1.53E-10	1.44E-13	1.18E-23	8.81E-39	6.59E-54
CS137	5.80E-05	6.11E-04	6.04E-04	5.97E-04	5.76E-04	5.55E-04	5.31E-04	4.96E-04	3.92E-04	2.79E-04	1.97E-04
BA137M	1.22E-07	5.73E-04	5.66E-04	5.59E-04	5.38E-04	5.21E-04	4.96E-04	4.65E-04	3.68E-04	2.60E-04	1.84E-04
CE141	9.13E-08	3.94E-05	7.91E-07	1.59E-08	1.29E-13	1.05E-18	1.73E-25	1.15E-35	0.	0.	0.
CE144	7.33E-04	2.15E-03	1.38E-03	8.83E-04	2.32E-04	6.10E-05	1.02E-05	7.07E-07	9.52E-11	1.49E-16	2.33E-22
PR144	2.01E-07	2.15E-03	1.38E-03	8.83E-04	2.32E-04	6.10E-05	1.02E-05	7.07E-07	9.52E-11	1.49E-16	2.33E-22
PM147	1.24E-14	7.18E-04	6.28E-04	5.51E-04	3.70E-04	2.49E-04	1.46E-04	6.64E-05	4.72E-06	8.92E-08	1.69E-09
EU155	5.27E-06	1.54E-04	1.43E-04	1.33E-04	1.07E-04	8.61E-05	6.43E-05	4.15E-05	9.70E-06	1.09E-06	1.23E-07
TOTAL	7.21E-02	3.02E-02	1.94E-02	1.40E-02	6.46E-03	3.80E-03	2.54E-03	1.91E-03	1.23E-03	8.27E-04	5.89E-04

G-12

APPENDIX H
DETAILED RESULTS FOR EVENT CABRIOLET

CABRIOLET
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	2.72E+01	2.80E+03
1.00E+00	8.64E+00	6.36E+02
2.00E+00	4.00E+00	3.13E+02
3.00E+00	2.59E+00	2.31E+02
4.00E+00	1.97E+00	1.97E+02
6.00E+00	1.44E+00	1.62E+02
9.00E+00	1.16E+00	1.37E+02
1.20E+01	1.00E+00	1.20E+02
1.50E+01	8.80E-01	1.07E+02
1.80E+01	7.88E-01	9.74E+01
2.10E+01	7.03E-01	8.82E+01
1.00E+00 DAYS	6.33E-01	8.04E+01
2.00E+00	2.98E-01	4.23E+01
5.00E+00	4.79E-02	1.21E+01
1.00E+01	1.01E-02	6.90E+00
2.00E+01	4.26E-03	5.69E+00
3.00E+01	2.84E-03	5.11E+00
5.00E+01	1.76E-03	4.28E+00
1.00E+02	9.93E-04	2.86E+00
2.00E+02	5.25E-04	1.34E+00
3.00E+02	3.09E-04	6.55E-01
1.00E+00 YEARS	2.26E-04	3.99E-01
1.50E+00	1.06E-04	1.21E-01
2.00E+00	5.63E-05	4.15E-02
3.50E+00	2.05E-05	1.57E-02
5.00E+00	5.75E-06	1.50E-03
7.00E+00	2.89E-06	9.16E-04
1.00E+01	2.03E-06	7.15E-04
2.00E+01	1.43E-06	5.45E-04
3.50E+01	9.94E-07	4.18E-04
5.00E+01	7.10E-07	3.32E-04

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	8.69E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.66E-04	8.65E-04	8.62E-04	8.61E-04	8.60E-04	8.58E-04
NA 24	4.71E+00	4.50E+00	4.30E+00	4.10E+00	3.91E+00	3.57E+00	3.11E+00	2.71E+00	2.36E+00	2.06E+00	1.78E+00
MN 54	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.30E-02	1.30E-02	1.30E-02	1.30E-02
FE 55	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02	3.16E-02
FE 59	1.51E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.49E-03	1.49E-03	1.49E-03
*CO 57	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04	6.40E-04
*CO 58	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.46E-03	2.46E-03	2.46E-03	2.46E-03	2.45E-03
*CO 60	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.78E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00	1.95E+00
W185	4.13E+00	4.13E+00	4.13E+00	4.13E+00	4.12E+00	4.12E+00	4.12E+00	4.11E+00	4.11E+00	4.10E+00	4.10E+00
W187	1.18E+02	1.14E+02	1.11E+02	1.08E+02	1.05E+02	9.88E+01	9.08E+01	8.33E+01	7.61E+01	7.02E+01	6.40E+01
W188	3.04E-02	3.04E-02	3.04E-02	3.03E-02	3.03E-02	3.03E-02	3.02E-02	3.02E-02	3.01E-02	3.01E-02	3.01E-02
AU198	2.42E-01	2.40E-01	2.38E-01	2.34E-01	2.32E-01	2.27E-01	2.19E-01	2.13E-01	2.05E-01	1.99E-01	1.92E-01
AU199	1.33E-02	1.32E-02	1.31E-02	1.29E-02	1.28E-02	1.26E-02	1.22E-02	1.19E-02	1.16E-02	1.13E-02	1.10E-02
PB203	5.83E-01	5.75E-01	5.67E-01	5.59E-01	5.51E-01	5.39E-01	5.18E-01	4.98E-01	4.77E-01	4.57E-01	4.41E-01
U237	1.48E-01	1.47E-01	1.47E-01	1.46E-01	1.45E-01	1.44E-01	1.42E-01	1.41E-01	1.39E-01	1.37E-01	1.35E-01
U239	2.40E+02	4.09E+01	6.99E+00	1.19E+00	2.02E-01	5.89E-03	2.92E-05	1.44E-07	7.13E-10	3.53E-12	1.74E-14
*U240	1.11E-02	1.06E-02	1.01E-02	9.62E-03	9.16E-03	8.30E-03	7.16E-03	6.17E-03	5.33E-03	4.59E-03	3.96E-03
NP239	8.21E-04	1.38E+00	1.59E+00	1.62E+00	1.60E+00	1.57E+00	1.50E+00	1.45E+00	1.40E+00	1.35E+00	1.30E+00
*NP240M	1.76E-05	1.07E-02	1.02E-02	9.71E-03	9.25E-03	8.36E-03	7.22E-03	6.23E-03	5.37E-03	4.63E-03	4.00E-03
*NP240	4.46E-13	2.30E-13	1.19E-13	6.15E-14	3.18E-14	8.51E-15	1.17E-15	1.62E-16	2.23E-17	3.07E-18	4.25E-19
AM241	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04
CM242	3.45E-04	3.45E-04	3.45E-04	3.45E-04	3.45E-04	3.45E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04
GE 75	3.52E-06	1.71E-02	1.03E-02	6.20E-03	3.73E-03	1.35E-03	2.95E-04	6.47E-05	1.41E-05	3.08E-06	6.74E-07
GE 77	2.02E-03	5.20E-03	4.89E-03	4.60E-03	4.33E-03	3.83E-03	3.19E-03	2.65E-03	2.21E-03	1.83E-03	1.53E-03
AS 77	2.09E-05	3.30E-03	3.33E-03	3.36E-03	3.38E-03	3.40E-03	3.40E-03	3.38E-03	3.33E-03	3.26E-03	3.18E-03
SE 77M	8.22E-10	9.87E-06	1.00E-05	1.01E-05	1.01E-05	1.02E-05	1.02E-05	1.02E-05	1.00E-05	9.79E-06	9.50E-06
GE 78	3.02E-01	1.89E-01	1.17E-01	7.33E-02	4.58E-02	1.78E-02	4.33E-03	1.05E-03	2.56E-04	6.21E-05	1.51E-05
AS 78	5.43E-03	9.01E-02	1.11E-01	1.04E-01	8.69E-02	5.13E-02	1.91E-02	6.33E-03	1.96E-03	5.86E-04	1.70E-04
AS 79	5.12E+00	5.04E-02	4.97E-04	4.89E-06	4.82E-08	4.66E-12	4.45E-18	4.24E-24	4.05E-30	3.87E-36	3.69E-42
SE 79M	7.58E-03	8.90E-02	8.78E-04	8.65E-06	8.51E-08	8.23E-12	7.85E-18	7.49E-24	7.15E-30	6.82E-36	6.51E-42
BR 80	2.72E-02	2.56E-03	2.41E-04	2.26E-05	2.13E-06	1.89E-08	1.58E-11	1.32E-14	1.10E-17	9.18E-21	7.66E-24
SE 81M	2.01E-02	9.38E-01	4.53E-01	2.18E-01	1.05E-01	2.44E-02	2.73E-03	3.07E-04	3.44E-05	3.85E-06	4.32E-07
SE 81	2.46E-01	1.11E+00	6.41E-01	3.20E-01	1.55E-01	3.63E-02	4.06E-03	4.55E-04	5.10E-05	5.72E-06	6.40E-07
BR 82	1.00E-04	9.84E-05	9.65E-05	9.47E-05	9.28E-05	8.92E-05	8.41E-05	7.93E-05	7.48E-05	7.05E-05	6.65E-05
SE 83	8.40E+00	1.59E+00	3.02E-01	5.72E-02	1.08E-02	3.89E-04	2.64E-06	1.80E-08	1.23E-10	8.33E-13	5.29E-15
BR 83	6.98E-02	1.04E+00	9.64E-01	7.59E-01	5.76E-01	3.25E-01	1.38E-01	5.79E-02	2.45E-02	1.03E-02	4.35E-03
KR 83M	3.61E-06	2.36E-01	4.82E-01	5.99E-01	6.17E-01	5.15E-01	3.04E-01	1.56E-01	7.53E-02	3.48E-02	1.56E-02

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	1.58E-02	2.72E+00	7.35E-01	1.99E-01	5.38E-02	3.93E-03	7.78E-05	1.54E-06	3.04E-08	6.01E-10	1.19E-11
KR 85M	5.59E-04	1.20E+00	1.02E+00	8.72E-01	7.45E-01	5.44E-01	3.39E-01	2.12E-01	1.32E-01	8.19E-02	5.12E-02
KR 87	8.93E+00	5.15E+00	2.98E+00	1.72E+00	9.95E-01	3.34E-01	6.47E-02	1.25E-02	2.43E-03	4.70E-04	9.09E-05
KR 88	4.55E+00	3.55E+00	2.77E+00	2.16E+00	1.69E+00	1.03E+00	4.90E-01	2.33E-01	1.11E-01	5.28E-02	2.51E-02
RB 88	1.16E+00	3.59E+00	3.06E+00	2.42E+00	1.89E+00	1.15E+00	5.49E-01	2.61E-01	1.25E-01	5.92E-02	2.81E-02
RB 89	6.21E+00	5.84E+00	3.92E-01	2.64E-02	1.77E-03	8.00E-06	2.42E-09	7.30E-13	2.23E-16	6.74E-20	2.04E-23
SR 89	4.76E-07	1.67E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.77E-02	1.77E-02	1.77E-02	1.77E-02
SR 90	9.21E-07	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05
SR 91	1.16E-01	2.16E+00	2.01E+00	1.87E+00	1.74E+00	1.51E+00	1.22E+00	9.84E-01	7.95E-01	6.38E-01	5.15E-01
Y 91M	7.80E-06	7.44E-01	1.01E+00	1.09E+00	1.07E+00	9.62E-01	7.87E-01	6.34E-01	5.11E-01	4.12E-01	3.32E-01
Y 91	3.19E-09	6.61E-04	1.52E-03	2.44E-03	3.32E-03	4.98E-03	7.07E-03	8.75E-03	1.01E-02	1.12E-02	1.21E-02
SR 92	7.56E-01	3.38E+00	2.62E+00	2.03E+00	1.57E+00	9.39E-01	4.36E-01	2.03E-01	9.39E-02	4.36E-02	2.03E-02
Y 92	3.48E-02	7.10E-01	1.11E+00	1.33E+00	1.41E+00	1.34E+00	1.30E+00	7.00E-01	4.50E-01	2.77E-01	1.67E-01
SR 93	3.49E+01	6.01E-01	3.32E-03	1.83E-05	1.01E-07	3.09E-12	5.21E-19	8.79E-26	1.48E-32	2.50E-39	4.22E-46
Y 93	4.26E-02	1.38E+00	1.29E+00	1.21E+00	1.13E+00	9.86E-01	8.03E-01	6.56E-01	5.33E-01	4.37E-01	3.56E-01
Y 94	5.24E+00	7.16E+00	9.21E-01	1.19E-01	1.53E-02	2.54E-04	5.45E-07	1.17E-09	2.50E-12	5.45E-15	3.02E-16
Y 95	2.42E+01	2.28E+00	5.01E-02	1.11E-03	2.44E-05	1.18E-08	1.27E-13	1.35E-18	1.44E-23	1.54E-28	1.65E-33
ZR 95	9.07E-05	1.19E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
NB 95	1.01E-11	7.32E-06	1.71E-05	2.68E-05	3.66E-05	5.61E-05	8.52E-05	1.15E-04	1.43E-04	1.72E-04	2.01E-04
ZR 97	2.45E-01	1.07E+00	1.02E+00	9.82E-01	9.40E-01	8.68E-01	7.67E-01	6.78E-01	6.03E-01	5.31E-01	4.72E-01
NB 97M	1.26E-03	1.02E+00	9.82E-01	9.44E-01	9.06E-01	8.34E-01	7.37E-01	6.53E-01	5.77E-01	5.10E-01	4.51E-01
NB 97	1.23E-01	5.35E-01	7.54E-01	8.60E-01	9.02E-01	8.98E-01	8.18E-01	7.29E-01	6.45E-01	5.69E-01	5.06E-01
NB 98	1.47E+00	6.50E-01	2.88E-01	1.27E-01	5.64E-02	1.10E-02	9.54E-04	8.24E-05	7.18E-06	6.21E-07	5.35E-08
MO 99	8.35E-04	3.45E-01	3.41E-01	3.38E-01	3.34E-01	3.27E-01	3.18E-01	3.07E-01	2.98E-01	2.89E-01	2.80E-01
TC 99M	7.77E-09	3.29E-02	6.17E-02	8.72E-02	1.10E-01	1.46E-01	1.86E-01	2.11E-01	2.26E-01	2.35E-01	2.38E-01
MO101	3.58E+01	1.62E+01	9.39E-01	5.44E-02	3.16E-03	1.06E-05	2.06E-09	4.01E-13	7.79E-17	1.51E-20	2.95E-24
TC101	1.51E+00	4.54E+01	4.96E+00	4.07E-01	2.96E-02	1.34E-04	3.34E-08	7.48E-12	1.59E-15	3.27E-19	6.61E-23
MO102	3.41E+02	7.78E+00	1.77E-01	4.04E-03	9.22E-05	4.79E-08	5.70E-13	6.76E-18	8.01E-23	9.50E-28	1.13E-32
TC102M	2.19E-01	6.58E+00	1.51E-01	3.44E-03	7.84E-05	4.06E-08	4.82E-13	5.72E-18	6.77E-23	8.04E-28	9.55E-33
TC102	1.03E+03	3.91E+00	8.93E-02	2.03E-03	4.64E-05	2.42E-08	2.87E-13	3.41E-18	4.04E-23	4.79E-28	5.68E-33
RU103	2.87E-05	6.65E-02	6.63E-02	6.63E-02	6.63E-02	6.61E-02	6.59E-02	6.59E-02	6.57E-02	6.56E-02	6.54E-02
RH103M	1.91E-09	3.43E-02	5.09E-02	5.90E-02	6.28E-02	6.54E-02	6.59E-02	6.59E-02	6.57E-02	6.56E-02	6.56E-02
TC104	2.79E+01	2.00E+01	2.00E+00	1.98E-01	1.96E-02	1.93E-04	1.89E-07	1.84E-10	1.80E-13	1.76E-16	1.72E-19
RU105	2.74E-01	9.46E+00	8.09E+00	6.93E+00	5.93E+00	4.33E+00	2.72E+00	1.70E+00	1.06E+00	6.65E-01	4.17E-01
RH105M	1.80E-03	9.48E+00	8.11E+00	6.95E+00	5.93E+00	4.35E+00	2.72E+00	1.70E+00	1.07E+00	6.67E-01	4.17E-01
RH105	2.95E-09	1.92E-01	3.57E-01	4.93E-01	6.07E-01	7.77E-01	9.28E-01	9.98E-01	1.02E+00	1.01E+00	9.82E-01
RU106	2.59E-04	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03
RH106	2.81E-06	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03	4.91E-03
RH107	8.67E-02	1.18E+01	1.79E+00	2.69E-01	4.05E-02	9.25E-04	3.18E-06	1.10E-08	3.78E-11	1.29E-14	1.29E-17
PD107M	1.80E-04	2.40E+00	3.62E-01	5.47E-02	8.25E-03	1.88E-04	6.48E-07	2.24E-09	7.69E-12	2.65E-14	9.05E-17

H-4

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	5.33E-03	4.42E-01	4.20E-01	3.98E-01	3.78E-01	3.41E-01	2.93E-01	2.52E-01	2.16E-01	1.85E-01	1.59E-01
AG109M	3.07E-05	4.42E-01	4.20E-01	3.99E-01	3.79E-01	3.42E-01	2.93E-01	2.52E-01	2.16E-01	1.85E-01	1.59E-01
PD111M	6.38E-01	5.62E-01	4.95E-01	4.38E-01	3.85E-01	3.00E-01	2.05E-01	1.41E-01	9.64E-02	6.59E-02	4.52E-02
PD111	2.27E-01	4.09E-01	3.93E-01	3.50E-01	3.09E-01	2.40E-01	1.65E-01	1.13E-01	7.73E-02	5.31E-02	3.64E-02
AG111M	1.80E-03	5.52E-01	5.19E-01	4.64E-01	4.09E-01	3.16E-01	2.16E-01	1.48E-01	1.02E-01	6.97E-02	4.76E-02
AG111	6.42E-10	1.90E-03	4.00E-03	5.88E-03	7.54E-03	1.03E-02	1.32E-02	1.51E-02	1.64E-02	1.72E-02	1.77E-02
PD112	1.24E-01	1.21E-01	1.16E-01	1.13E-01	1.09E-01	1.02E-01	9.25E-02	8.38E-02	7.58E-02	6.86E-02	6.22E-02
AG112	3.75E-06	2.38E-02	4.21E-02	5.65E-02	6.71E-02	8.04E-02	8.83E-02	8.80E-02	8.38E-02	7.81E-02	7.20E-02
AG113	1.06E-03	2.26E-01	1.98E-01	1.74E-01	1.53E-01	1.17E-01	7.95E-02	5.36E-02	3.62E-02	2.44E-02	1.65E-02
AG115	3.28E-01	3.51E-01	4.37E-02	5.46E-03	6.84E-04	1.07E-05	2.09E-08	4.08E-11	7.91E-14	7.85E-163	7.28E-17
CD115M	2.68E-09	7.13E-05	8.01E-05	8.11E-05	8.11E-05	8.11E-05	8.09E-05	8.09E-05	8.06E-05	8.04E-05	8.04E-05
CD115	1.04E-06	1.95E-02	2.10E-02	2.09E-02	2.07E-02	2.02E-02	1.94E-02	1.86E-02	1.79E-02	1.73E-02	1.66E-02
IN115M	1.29E-11	2.15E-03	4.79E-03	7.10E-03	9.05E-03	1.21E-02	1.49E-02	1.64E-02	1.71E-02	1.73E-02	1.71E-02
CD117	2.30E-02	3.82E-01	2.88E-01	2.15E-01	1.61E-01	9.05E-02	3.80E-02	1.60E-02	6.73E-03	2.83E-03	1.19E-03
IN117M	1.10E-06	1.33E-01	1.93E-01	2.09E-01	2.02E-01	1.59E-01	9.10E-02	4.66E-02	2.24E-02	1.04E-02	4.69E-03
IN117	4.44E-11	2.43E-02	5.87E-02	8.16E-02	9.10E-02	8.38E-02	5.33E-02	2.85E-02	1.42E-02	6.68E-03	3.07E-03
CD118	1.50E+00	6.44E-01	2.77E-01	1.18E-01	5.05E-02	9.24E-03	7.25E-04	5.67E-05	4.46E-06	3.49E-07	2.74E-08
IN118	9.96E-02	6.44E-01	2.77E-01	1.18E-01	5.05E-02	9.26E-03	7.25E-04	5.69E-05	4.46E-06	3.49E-07	2.74E-08
CD119	3.76E+00	5.87E-02	9.16E-04	1.43E-05	2.24E-07	5.48E-11	2.09E-16	7.98E-22	3.03E-27	1.16E-32	4.44E-38
IN119M	5.68E-03	6.35E-01	6.91E-02	6.97E-03	6.94E-04	6.83E-06	6.66E-09	6.52E-12	6.35E-15	6.21E-18	6.07E-21
IN119	2.80E-01	3.34E-02	3.88E-03	3.93E-04	3.93E-05	3.85E-07	3.76E-10	3.68E-13	3.60E-16	3.51E-19	3.43E-22
SN121	4.72E-04	4.86E-02	4.72E-02	4.61E-02	4.50E-02	4.28E-02	3.94E-02	3.66E-02	3.39E-02	3.14E-02	2.92E-02
SN123M	2.63E-01	4.92E-01	1.74E-01	6.16E-02	2.18E-02	2.72E-03	1.20E-04	5.33E-06	2.36E-07	1.04E-08	4.60E-10
SN123	2.47E-06	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04	2.58E-04
SN125	6.64E-03	6.62E-03	6.61E-03	6.59E-03	6.55E-03	6.52E-03	6.47E-03	6.40E-03	6.35E-03	6.28E-03	6.23E-03
SB125	3.99E-05	4.01E-05	4.02E-05	4.04E-05	4.06E-05	4.09E-05	4.16E-05	4.21E-05	4.27E-05	4.32E-05	4.37E-05
SB126	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.07E-03	1.07E-03	1.06E-03	1.05E-03	1.04E-03	1.04E-03	1.03E-03
SN127	1.05E+00	7.56E-01	5.44E-01	3.92E-01	2.82E-01	1.45E-01	5.40E-02	2.01E-02	7.45E-03	2.77E-03	1.03E-03
SB127	1.23E-02	4.24E-02	4.69E-02	5.00E-02	5.22E-02	5.44E-02	5.52E-02	5.47E-02	5.39E-02	5.27E-02	5.17E-02
TE127	6.94E-03	8.65E-03	1.05E-02	1.25E-02	1.44E-02	1.81E-02	2.31E-02	2.70E-02	3.01E-02	3.24E-02	3.39E-02
SN128	6.82E+00	3.36E+00	1.67E+00	8.23E-01	4.07E-01	9.93E-02	1.20E-02	1.45E-03	1.75E-04	2.12E-05	2.55E-06
SB128M	3.47E-03	3.83E+00	1.99E+00	9.82E-01	4.85E-01	1.19E-01	1.43E-02	1.73E-03	2.08E-04	2.51E-05	3.04E-06
SB128	2.88E-01	2.77E-01	2.60E-01	2.44E-01	2.28E-01	1.95E-01	1.56E-01	1.24E-01	9.82E-02	7.80E-02	6.19E-02
SN129M	3.92E+00	1.95E+00	9.80E-01	4.90E-01	2.45E-01	6.13E-02	7.67E-03	9.59E-04	1.20E-04	1.50E-05	1.87E-06
SN129	2.62E+01	2.57E-01	2.53E-03	2.50E-05	2.45E-07	2.38E-11	2.27E-17	2.17E-23	2.07E-29	1.97E-35	1.89E-41
SB129	1.47E+00	2.47E+00	2.32E+00	2.07E+00	1.82E+00	1.35E+00	8.43E-01	5.22E-01	3.21E-01	1.99E-01	1.22E-01
TE129M	2.78E-08	3.08E-04	6.34E-04	9.32E-04	1.20E-03	1.62E-03	2.05E-03	2.32E-03	2.48E-03	2.58E-03	2.65E-03
TE129	1.06E+00	1.46E+00	1.71E+00	1.77E+00	1.71E+00	1.41E+00	9.41E-01	5.93E-01	3.69E-01	2.29E-01	1.42E-01
SB130M	1.49E-01	2.81E-01	7.37E-04	1.94E-06	5.10E-09	3.52E-14	6.40E-22	1.16E-29	2.11E-37	3.84E-45	6.98E-53
SB130	2.55E+01	7.71E+00	2.19E+00	6.21E-01	1.76E-01	1.41E-02	3.23E-04	7.35E-06	1.68E-07	3.82E-09	8.72E-11

H-5

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	7.10E-03	6.71E-03	6.35E-03	6.00E-03	5.68E-03	5.08E-03	4.29E-03	3.63E-03	3.06E-03	2.60E-03	2.19E-03	
SB131	5.44E+01	1.42E+01	2.32E+00	3.81E-01	6.26E-02	1.69E-03	7.42E-06	3.28E-08	1.44E-10	6.36E-13	3.17E-15	
TE131M	2.62E-05	1.37E-01	1.56E-01	1.56E-01	1.53E-01	1.47E-01	1.37E-01	1.28E-01	1.19E-01	1.11E-01	1.04E-01	
TE131	2.41E+01	2.62E+01	8.53E+00	2.22E+00	5.39E-01	5.06E-02	2.51E-02	2.32E-02	2.17E-02	2.03E-02	1.89E-02	
I131	3.50E-03	1.21E-01	1.79E-01	1.96E-01	1.99E-01	2.01E-01	2.01E-01	1.99E-01	1.99E-01	1.98E-01	1.98E-01	
TE132	2.39E-01	5.81E-01	5.75E-01	5.71E-01	5.65E-01	5.55E-01	5.40E-01	5.26E-01	5.13E-01	4.98E-01	4.85E-01	
I132	5.87E-01	5.85E-01	5.84E-01	5.81E-01	5.77E-01	5.69E-01	5.56E-01	5.42E-01	5.27E-01	5.14E-01	5.01E-01	
TE133M	2.82E-02	9.78E+00	4.26E+00	1.85E+00	8.06E-01	1.53E-01	1.26E-02	1.04E-03	8.57E-05	7.07E-06	5.83E-07	
TE133	1.59E+02	8.99E+00	1.00E+00	3.31E-01	1.40E-01	2.65E-02	2.19E-03	1.80E-04	1.49E-05	1.23E-06	1.01E-07	
I133	2.46E-01	2.65E+00	2.86E+00	2.86E+00	2.81E+00	2.66E+00	2.42E+00	2.19E+00	1.97E+00	1.80E+00	1.63E+00	
XE133M	1.05E-08	5.95E-04	1.44E-03	2.30E-03	3.13E-03	4.70E-03	6.81E-03	8.64E-03	1.02E-02	1.15E-02	1.26E-02	
XE133	1.83E-07	1.04E-02	2.53E-02	4.03E-02	5.54E-02	8.38E-02	1.23E-01	1.57E-01	1.88E-01	2.15E-01	2.39E-01	
TE134	5.13E+01	2.38E+01	8.85E+00	3.29E+00	1.22E+00	1.69E-01	8.64E-03	4.43E-04	2.27E-05	1.17E-06	5.97E-08	
I134	2.35E+01	3.14E+01	2.20E+01	1.29E+01	6.93E+00	1.76E+00	1.93E-01	1.97E-02	1.93E-03	1.85E-04	1.76E-05	
I135	4.12E+00	7.25E+00	6.54E+00	5.89E+00	5.32E+00	4.32E+00	3.17E+00	2.32E+00	1.70E+00	1.25E+00	9.15E-01	
XE135M	4.55E-04	2.09E+00	2.03E+00	1.85E+00	1.66E+00	1.35E+00	9.90E-01	7.25E-01	5.32E-01	3.90E-01	2.86E-01	
XE135	4.74E-01	9.38E-01	1.37E+00	1.73E+00	2.01E+00	2.41E+00	2.67E+00	2.68E+00	2.55E+00	2.33E+00	2.08E+00	
CS136	4.42E-03	4.41E-03	4.40E-03	4.40E-03	4.36E-03	4.36E-03	4.33E-03	4.30E-03	4.28E-03	4.25E-03	4.22E-03	
CS137	2.12E-05	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	
BA137M	4.47E-08	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	
XE138	1.31E+02	1.12E+01	9.77E-01	8.46E-02	7.33E-03	5.50E-05	3.57E-08	2.32E-11	1.51E-14	9.80E-18	6.37E-21	
CS138	1.94E+01	3.27E+01	1.13E+01	3.33E+00	9.33E-01	7.10E-02	1.48E-03	3.07E-05	6.37E-07	1.33E-08	2.74E-10	
CS139	1.61E+02	5.16E+00	6.46E-02	8.12E-04	1.02E-05	1.60E-09	3.18E-15	6.29E-21	1.25E-26	2.47E-32	4.88E-38	
BA139	2.98E+00	3.32E+01	2.05E+01	1.25E+01	7.53E+00	2.76E+00	6.13E-01	1.36E-01	3.03E-02	6.71E-03	1.49E-03	
BA140	2.06E-02	1.29E-01	1.29E-01	1.28E-01	1.28E-01	1.27E-01	1.27E-01	1.26E-01	1.25E-01	1.24E-01	1.23E-01	
LA140	4.90E-08	2.20E-03	4.36E-03	6.48E-03	8.55E-03	1.26E-02	1.84E-02	2.38E-02	2.89E-02	3.37E-02	3.82E-02	
BA141	2.93E+01	8.86E+00	8.79E-01	8.72E-02	8.65E-03	8.58E-05	8.37E-08	8.16E-11	7.95E-14	7.82E-17	7.61E-20	
LA141	2.71E-01	5.74E+00	5.35E+00	4.54E+00	3.80E+00	2.67E+00	1.56E+00	9.14E-01	5.38E-01	3.15E-01	1.85E-01	
CE141	3.35E-08	3.73E-03	8.72E-03	1.31E-02	1.68E-02	2.25E-02	2.80E-02	3.11E-02	3.29E-02	3.40E-02	3.45E-02	
BA142	5.36E+01	2.13E+00	4.86E-02	1.11E-03	2.53E-05	1.31E-08	1.56E-13	1.85E-18	2.20E-23	2.60E-28	3.09E-33	
LA142	1.23E+00	8.55E+00	5.64E+00	3.59E+00	2.28E+00	9.23E-01	2.38E-01	6.14E-02	1.58E-02	4.07E-03	1.05E-03	
LA143	1.80E+01	3.51E+00	1.80E-01	9.26E-03	4.75E-04	1.25E-06	1.68E-10	2.26E-14	3.05E-18	4.12E-22	5.55E-26	
CE143	7.20E-03	4.59E-01	4.75E-01	4.63E-01	4.54E-01	4.38E-01	4.10E-01	3.85E-01	3.61E-01	3.39E-01	3.19E-01	
FR143	2.10E-09	7.03E-04	1.70E-03	2.68E-03	3.64E-03	5.51E-03	8.12E-03	1.06E-02	1.29E-02	1.50E-02	1.70E-02	
CE144	2.71E-04	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	
PR144	7.42E-08	1.76E-03	1.92E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	
PR145	1.21E-02	1.78E+00	1.59E+00	1.41E+00	1.26E+00	9.98E-01	7.03E-01	4.97E-01	3.52E-01	2.48E-01	1.76E-01	
CE146	3.99E+01	2.04E+00	1.05E-01	5.36E-03	2.76E-04	7.26E-07	9.78E-11	1.32E-14	1.77E-18	2.39E-22	3.23E-26	
FR146	8.24E-01	7.17E+00	1.63E+00	3.05E-01	5.50E-02	1.73E-03	9.55E-06	5.26E-08	2.92E-10	1.61E-12	8.80E-15	
FR147	4.56E+00	1.32E+00	4.12E-02	1.29E-03	4.03E-05	3.93E-08	1.20E-12	3.67E-17	1.12E-21	3.42E-26	1.04E-30	

CABRIOLET
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	1.63E-06	3.06E-02	3.15E-02	3.15E-02	3.14E-02	3.12E-02	3.10E-02	3.07E-02	3.05E-02	3.03E-02	3.00E-02
ND149	2.90E+00	1.98E+00	1.34E+00	9.16E-01	6.20E-01	2.88E-01	9.06E-02	2.86E-02	9.00E-03	2.83E-03	8.95E-04
PM149	4.04E-04	3.16E-02	5.25E-02	6.64E-02	7.52E-02	8.45E-02	8.78E-02	8.62E-02	8.40E-02	8.07E-02	7.79E-02
PM150	3.64E-02	2.81E-02	2.18E-02	1.68E-02	1.30E-02	7.80E-03	3.61E-03	1.67E-03	7.74E-04	3.58E-04	1.66E-04
ND151	1.48E+01	4.63E-01	1.45E-02	4.52E-04	1.41E-05	1.38E-08	4.22E-13	1.29E-17	3.93E-22	1.20E-26	3.66E-31
PM151	9.39E-03	1.10E-01	1.10E-01	1.08E-01	1.05E-01	9.98E-02	9.26E-02	8.59E-02	8.00E-02	7.40E-02	6.88E-02
PM152	2.49E+01	2.43E-02	2.37E-05	2.32E-08	2.27E-11	2.16E-17	2.01E-26	1.88E-35	1.75E-44	1.63E-53	1.52E-62
SM153	3.53E-02	3.48E-02	3.44E-02	3.38E-02	3.34E-02	3.24E-02	3.10E-02	2.96E-02	2.83E-02	2.71E-02	2.60E-02
SM155	2.51E+00	4.11E-01	6.74E-02	1.10E-02	1.81E-03	4.87E-05	2.15E-07	9.46E-10	4.17E-12	1.86E-14	4.56E-17
EU155	1.84E-06	5.25E-05	6.08E-05	6.21E-05	6.24E-05	6.24E-05	6.24E-05	6.24E-05	6.24E-05	6.24E-05	6.24E-05
SM156	5.26E-02	4.89E-02	4.54E-02	4.21E-02	3.91E-02	3.38E-02	2.71E-02	2.17E-02	1.74E-02	1.39E-02	1.12E-02
EU156	1.54E-04	2.51E-04	3.41E-04	4.24E-04	5.02E-04	6.40E-04	8.14E-04	9.42E-04	1.06E-03	1.14E-03	1.20E-03
EU157	8.29E-03	2.75E-02	2.62E-02	2.51E-02	2.39E-02	2.18E-02	1.91E-02	1.67E-02	1.45E-02	1.26E-02	1.10E-02
EU158	3.72E-01	1.51E-01	6.10E-02	2.47E-02	1.00E-02	1.64E-03	1.09E-04	7.23E-06	4.80E-07	3.19E-08	2.12E-09
EU159	4.47E-01	4.44E-02	4.40E-03	4.37E-04	4.33E-05	4.27E-07	4.17E-10	4.08E-13	3.98E-16	3.89E-19	3.80E-22
GD159	1.91E-03	8.39E-03	8.72E-03	8.46E-03	8.14E-03	7.54E-03	6.72E-03	5.99E-03	5.33E-03	4.75E-03	4.23E-03
TB161	2.73E-05	1.96E-04	1.95E-04	1.95E-04	1.94E-04	1.92E-04	1.90E-04	1.87E-04	1.85E-04	1.83E-04	1.80E-04
TOTAL	2.80E+03	6.36E+02	3.13E+02	2.31E+02	1.97E+02	1.62E+02	1.37E+02	1.20E+02	1.07E+02	9.74E+01	8.82E+01

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	8.69E-04	8.58E-04	8.46E-04	8.15E-04	7.63E-04	6.70E-04	5.88E-04	4.53E-04	2.37E-04	6.44E-05	1.75E-05
NA 24	4.71E+00	1.55E+00	5.13E-01	1.84E-02	7.19E-05	1.10E-09	1.68E-14	3.90E-24	0.	0.	0.
MN 54	1.31E-02	1.30E-02	1.30E-02	1.27E-02	1.26E-02	1.24E-02	1.22E-02	1.16E-02	1.03E-02	8.22E-03	6.56E-03
FE 55	3.16E-02	3.16E-02	3.16E-02	3.14E-02	3.14E-02	3.12E-02	3.09E-02	3.05E-02	2.93E-02	2.73E-02	2.54E-02
FE 59	1.51E-03	1.48E-03	1.46E-03	1.39E-03	1.29E-03	1.11E-03	9.49E-04	6.97E-04	3.24E-04	6.91E-05	1.48E-05
*CO 57	6.40E-04	6.40E-04	6.35E-04	6.35E-04	6.25E-04	6.07E-04	5.92E-04	5.64E-04	4.98E-04	3.84E-04	2.98E-04
*CO 58	2.47E-03	2.45E-03	2.43E-03	2.35E-03	2.25E-03	2.04E-03	1.85E-03	1.52E-03	9.37E-04	3.54E-04	1.34E-04
*CO 60	1.78E-05	1.78E-05	1.78E-05	1.78E-05	1.77E-05	1.77E-05	1.76E-05	1.75E-05	1.71E-05	1.65E-05	1.59E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	1.95E+00	1.95E+00	1.93E+00	1.90E+00	1.84E+00	1.75E+00	1.64E+00	1.47E+00	1.10E+00	6.21E-01	3.50E-01
W185	4.13E+00	4.09E+00	4.02E+00	3.94E+00	3.77E+00	3.43E+00	3.13E+00	2.60E+00	1.64E+00	6.52E-01	2.59E-01
W187	1.18E+02	5.88E+01	2.92E+01	3.64E+00	1.12E-01	1.07E-04	1.01E-07	9.08E-16	0.	0.	0.
W188	3.04E-02	3.00E-02	2.97E-02	2.89E-02	2.75E-02	2.48E-02	2.25E-02	1.84E-02	1.12E-02	4.12E-03	1.51E-03
AU198	2.42E-01	1.87E-01	1.44E-01	6.68E-02	1.84E-02	1.41E-03	1.08E-04	6.32E-07	1.65E-12	0.	0.
AU199	1.33E-02	1.07E-02	8.56E-03	4.41E-03	1.46E-03	1.61E-04	1.76E-05	2.13E-07	3.44E-12	8.91E-22	0.
PB203	4.24E-01	3.08E-01	1.18E-01	2.39E-02	9.83E-04	4.03E-05	6.77E-08	7.92E-15	0.	0.	0.
U237	1.48E-01	1.34E-01	1.20E-01	8.86E-02	5.30E-02	1.90E-02	6.81E-03	8.70E-04	5.14E-06	5.52E-10	3.73E-10
*U240	1.11E-02	3.43E-03	1.05E-03	3.05E-05	8.38E-08	6.30E-13	4.74E-18	2.67E-28	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	8.21E-04	1.25E+00	9.34E-01	3.85E-01	8.82E-02	4.61E-03	2.41E-04	6.62E-07	2.60E-13	6.22E-23	6.22E-23
*NP240M	1.76E-05	3.45E-03	1.06E-03	3.07E-05	8.45E-08	6.36E-13	4.78E-18	2.70E-28	0.	0.	0.
AM241	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.37E-04
CM242	3.45E-04	3.44E-04	3.42E-04	3.38E-04	3.31E-04	3.17E-04	3.04E-04	2.79E-04	2.27E-04	1.48E-04	9.67E-05
GE 77	2.02E-03	1.27E-03	2.91E-04	3.51E-06	2.24E-09	9.05E-16	3.65E-22	5.96E-35	0.	0.	0.
AS 77	2.09E-05	3.08E-03	2.23E-03	6.45E-04	7.55E-05	1.02E-06	1.39E-08	2.56E-12	1.19E-21	2.55E-40	5.47E-59
SE 77M	8.22E-10	9.27E-06	6.68E-06	1.94E-06	2.26E-07	3.07E-09	4.17E-11	7.70E-15	3.57E-24	7.63E-43	1.64E-61
AS 78	5.43E-03	4.83E-05	1.41E-09	1.19E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	1.00E-04	6.26E-05	3.91E-05	9.51E-06	9.01E-07	8.10E-09	7.27E-11	5.87E-15	3.43E-25	1.18E-45	4.00E-66
BR 83	6.98E-02	1.84E-03	1.85E-06	1.88E-15	1.92E-30	0.	0.	0.	0.	0.	0.
KR 83M	3.61E-06	8.04E-03	9.13E-06	8.21E-15	8.42E-30	0.	0.	0.	0.	0.	0.
KR 85M	5.59E-04	3.20E-02	7.28E-04	8.64E-09	5.33E-17	2.03E-33	7.67E-50	0.	0.	0.	0.
KR 85	5.79E-07	1.52E-05	1.55E-05	1.55E-05	1.55E-05	1.55E-05	1.55E-05	1.54E-05	1.53E-05	1.50E-05	1.47E-05
KR 87	8.93E+00	1.76E-05	3.49E-11	2.70E-28	0.	0.	0.	0.	0.	0.	0.
KR 88	4.55E+00	1.20E-02	3.14E-05	5.71E-13	7.18E-26	0.	0.	0.	0.	0.	0.
RB 88	1.16E+00	1.33E-02	3.52E-05	6.38E-13	8.00E-26	0.	0.	0.	0.	0.	0.
SR 89	4.76E-07	1.43E-02	1.40E-02	1.35E-02	1.27E-02	1.11E-02	9.67E-03	7.44E-03	3.80E-03	1.00E-03	2.64E-04
SR 90	9.21E-07	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.46E-05	9.37E-05	9.37E-05	9.29E-05
Y 90	1.36E-12	2.17E-05	3.83E-05	6.89E-05	8.79E-05	9.37E-05	9.46E-05	9.46E-05	9.37E-05	9.37E-05	9.29E-05
SR 91	1.16E-01	4.15E-01	7.44E-02	4.26E-04	7.80E-08	2.65E-15	8.97E-23	1.02E-37	0.	0.	0.

8-H

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	7.80E-06	2.68E-01	4.80E-02	2.76E-04	5.06E-08	1.71E-15	5.77E-23	6.59E-38	0.	0.	0.
Y 91	3.19E-09	1.28E-02	1.51E-02	1.51E-02	1.42E-02	1.26E-02	1.12E-02	8.89E-03	4.92E-03	1.52E-03	4.66E-04
SR 92	7.56E-01	9.42E-03	2.03E-05	2.04E-13	9.56E-27	0.	0.	0.	0.	0.	0.
Y 92	3.48E-02	9.88E-02	1.10E-03	8.44E-10	4.92E-20	1.68E-40	5.77E-61	0.	0.	0.	0.
Y 93	4.26E-02	2.88E-01	5.61E-02	4.22E-04	1.21E-07	1.00E-14	8.27E-22	5.65E-36	0.	0.	0.
ZR 95	9.07E-05	1.13E-02	1.12E-02	1.09E-02	1.03E-02	9.23E-03	8.32E-03	6.73E-03	3.94E-03	1.36E-03	4.66E-04
NB 95M	1.93E-12	3.84E-05	7.00E-05	1.34E-04	1.80E-04	1.90E-04	1.76E-04	1.42E-04	8.36E-05	2.88E-05	9.91E-06
NB 95	1.01E-11	2.19E-04	4.34E-04	1.04E-03	1.93E-03	3.33E-03	4.30E-03	5.33E-03	5.13E-03	2.47E-03	9.47E-04
ZR 97	2.45E-01	4.17E-01	1.57E-01	8.30E-03	6.24E-05	3.51E-09	1.97E-13	6.24E-22	3.52E-43	0.	0.
NB 97M	1.26E-03	4.00E-01	1.50E-01	8.01E-03	5.98E-05	3.37E-09	1.90E-13	5.98E-22	3.38E-43	0.	0.
NB 97	1.23E-01	4.18E-01	1.57E-01	8.34E-03	6.28E-05	3.78E-09	2.12E-13	6.74E-22	3.79E-43	0.	0.
MO 99	8.35E-04	2.72E-01	2.12E-01	1.01E-01	2.91E-02	2.43E-03	2.03E-04	1.42E-06	5.75E-12	9.47E-23	1.56E-33
TC 99M	7.77E-09	2.39E-01	2.01E-01	9.63E-02	2.78E-02	2.32E-03	1.94E-04	1.35E-06	5.48E-12	9.04E-23	1.49E-33
RU103	2.87E-05	6.54E-02	6.41E-02	6.08E-02	5.58E-02	4.68E-02	3.93E-02	2.77E-02	1.15E-02	2.00E-03	3.49E-04
RH103M	1.91E-09	6.54E-02	6.43E-02	6.10E-02	5.58E-02	4.68E-02	3.93E-02	2.77E-02	1.16E-02	2.00E-03	3.49E-04
RU105	2.74E-01	2.62E-01	6.15E-03	8.09E-08	5.91E-16	3.15E-32	1.69E-48	0.	0.	0.	0.
RH105M	1.80E-03	2.62E-01	6.17E-03	8.11E-08	5.93E-16	3.17E-32	1.70E-48	0.	0.	0.	0.
RH105	2.95E-09	9.44E-01	6.17E-01	1.54E-01	1.52E-02	1.47E-04	1.43E-06	1.35E-10	1.17E-20	8.80E-41	6.61E-61
RU106	2.59E-04	4.91E-03	4.89E-03	4.87E-03	4.83E-03	4.74E-03	4.64E-03	4.47E-03	4.06E-03	3.36E-03	2.79E-03
RH106	2.81E-06	4.91E-03	4.89E-03	4.87E-03	4.83E-03	4.74E-03	4.64E-03	4.47E-03	4.06E-03	3.36E-03	2.79E-03
PD109	5.33E-03	1.36E-01	3.95E-02	9.81E-04	2.07E-06	9.21E-12	4.10E-17	8.11E-28	0.	0.	0.
AG109M	3.07E-05	1.36E-01	3.96E-02	9.82E-04	2.08E-06	9.22E-12	4.10E-17	8.12E-28	0.	0.	0.
PD111M	6.38E-01	3.09E-02	1.50E-03	1.73E-07	4.66E-14	3.40E-27	2.50E-40	0.	0.	0.	0.
PD111	2.27E-01	2.50E-02	1.21E-03	1.39E-07	3.76E-14	2.74E-27	2.01E-40	0.	0.	0.	0.
AG111M	1.80E-03	3.26E-02	1.59E-03	1.83E-07	4.93E-14	3.62E-27	2.64E-40	0.	0.	0.	0.
AG111	6.42E-10	1.77E-02	1.70E-02	1.30E-02	8.16E-03	3.24E-03	1.28E-03	2.03E-04	1.99E-06	1.93E-10	1.87E-14
PD112	1.24E-01	5.65E-02	2.56E-02	2.37E-03	4.51E-05	1.64E-08	5.95E-12	7.81E-19	4.93E-36	0.	0.
AG112	3.75E-06	6.56E-02	3.01E-02	2.80E-03	5.35E-05	1.93E-08	7.01E-12	9.25E-19	5.80E-36	0.	0.
AG113	1.06E-03	1.12E-02	4.83E-04	3.92E-08	6.00E-15	1.40E-28	3.28E-42	0.	0.	0.	0.
CD115M	2.68E-09	7.75E-05	7.62E-05	7.26E-05	6.71E-05	5.70E-05	4.86E-05	3.51E-05	1.57E-05	3.12E-06	6.24E-07
CD115	1.04E-06	1.56E-02	1.14E-02	4.50E-03	9.49E-04	4.24E-05	1.89E-06	3.77E-09	6.66E-16	2.09E-29	6.53E-43
IN115M	1.29E-11	1.64E-02	1.25E-02	4.92E-03	1.04E-03	4.63E-05	2.06E-06	4.11E-09	7.28E-16	2.28E-29	7.13E-43
CD117	2.30E-02	5.01E-04	4.87E-07	4.55E-16	4.04E-31	0.	0.	0.	0.	0.	0.
IN117M	1.10E-06	2.08E-03	2.41E-06	2.32E-15	2.06E-30	0.	0.	0.	0.	0.	0.
IN117	4.44E-11	1.37E-03	1.62E-06	1.57E-15	1.40E-30	0.	0.	0.	0.	0.	0.
SN121	4.72E-04	2.69E-02	1.45E-02	2.29E-03	1.05E-04	2.22E-07	4.66E-10	2.08E-15	8.69E-29	0.	0.
SN123	2.47E-06	2.58E-04	2.56E-04	2.52E-04	2.45E-04	2.31E-04	2.19E-04	1.96E-04	1.49E-04	8.54E-05	4.92E-05
SN125	6.64E-03	6.17E-03	5.74E-03	4.60E-03	3.17E-03	1.52E-03	7.27E-04	1.66E-04	4.16E-06	2.62E-09	1.64E-12
SB125	3.99E-05	4.42E-05	4.84E-05	5.91E-05	7.25E-05	8.77E-05	9.45E-05	9.85E-05	9.66E-05	9.02E-05	8.41E-05
SB126	1.08E-03	1.02E-03	9.69E-04	8.20E-04	6.22E-04	3.56E-04	2.05E-04	6.76E-05	4.23E-06	2.05E-08	4.13E-09

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	1.05E+00	3.82E-04	1.39E-07	6.62E-18	4.15E-35	0.	0.	0.	0.	0.	0.	0.
SB127	1.23E-02	5.05E-02	4.22E-02	2.47E-02	1.01E-02	1.69E-03	2.82E-04	7.89E-06	1.03E-09	1.76E-17	2.99E-25	0.
TE127M	9.95E-11	7.70E-05	1.41E-04	2.74E-04	3.78E-04	4.17E-04	4.02E-04	3.56E-04	2.60E-04	1.37E-04	7.26E-05	0.
TE127	6.94E-03	3.61E-02	3.55E-02	2.16E-02	9.14E-03	1.87E-03	6.42E-04	3.60E-04	2.57E-04	1.36E-04	7.18E-05	0.
SB128	2.88E-01	4.90E-02	7.74E-03	3.02E-05	2.93E-09	2.75E-17	2.59E-25	2.28E-41	0.	0.	0.	0.
SB129	1.47E+00	7.53E-02	1.57E-03	1.43E-08	5.70E-17	8.99E-34	1.42E-50	0.	0.	0.	0.	0.
TE129M	2.78E-08	2.93E-03	2.93E-03	2.77E-03	2.50E-03	2.04E-03	1.66E-03	1.10E-03	3.97E-04	5.18E-05	6.74E-06	0.
TE129	1.06E+00	8.83E-02	3.68E-03	1.77E-03	1.60E-03	1.30E-03	1.06E-03	7.07E-04	2.55E-04	3.33E-05	4.32E-06	0.
I130	7.10E-03	1.85E-03	4.85E-04	8.68E-06	1.06E-06	1.58E-14	2.35E-20	5.24E-32	0.	0.	0.	0.
TE131M	2.62E-05	9.15E-02	5.25E-02	9.95E-03	6.22E-04	2.43E-06	9.50E-09	1.45E-13	1.32E-25	0.	0.	0.
TE131	2.41E+01	1.67E-02	9.59E-03	1.82E-03	1.14E-04	4.44E-07	1.73E-09	2.65E-14	2.41E-26	0.	0.	0.
I131	3.50E-03	1.89E-01	1.79E-01	1.44E-01	9.45E-02	3.99E-02	1.69E-02	3.02E-03	4.07E-05	7.42E-09	1.35E-12	0.
XE131M	9.50E-12	8.76E-05	1.66E-04	3.47E-04	4.96E-04	4.91E-04	3.64E-04	1.50E-04	1.00E-05	3.00E-08	8.46E-11	0.
TE132	2.39E-01	4.74E-01	3.82E-01	2.01E-01	6.94E-02	8.23E-03	9.75E-04	1.37E-05	3.20E-10	1.75E-19	9.56E-29	0.
I132	5.87E-01	4.88E-01	3.94E-01	2.07E-01	7.16E-02	8.47E-03	1.00E-03	1.41E-05	3.30E-10	1.80E-19	9.85E-29	0.
I133	2.46E-01	1.37E+00	6.18E-01	5.74E-02	1.09E-03	3.96E-07	1.44E-10	1.89E-17	1.19E-34	0.	0.	0.
XE133M	1.05E-08	1.29E-02	1.53E-02	8.99E-03	2.11E-03	9.90E-05	4.61E-06	1.00E-08	2.19E-15	1.05E-28	5.01E-42	0.
XE133	1.83E-07	2.49E-01	3.33E-01	2.98E-01	1.63E-01	4.39E-02	1.18E-02	8.50E-04	1.18E-06	2.30E-12	4.46E-18	0.
I135	4.12E+00	6.72E-01	5.61E-02	3.26E-05	1.32E-10	2.19E-21	3.60E-32	9.77E-54	0.	0.	0.	0.
XE135M	4.55E-04	2.09E-01	1.75E-02	1.02E-05	4.14E-11	6.81E-22	1.12E-32	3.05E-54	0.	0.	0.	0.
XE135	4.74E-01	1.81E+00	4.42E-01	2.53E-03	3.10E-07	4.35E-15	6.10E-23	1.21E-38	0.	0.	0.	0.
CS136	4.42E-03	4.19E-03	3.97E-03	3.39E-03	2.60E-03	1.52E-03	8.96E-04	3.08E-04	2.14E-05	1.03E-07	5.00E-10	0.
CS137	2.12E-05	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.27E-04	2.26E-04	2.25E-04	0.
BA137M	4.47E-08	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.13E-04	2.12E-04	2.11E-04	2.10E-04	0.
BA139	2.98E+00	3.18E-04	1.88E-09	3.87E-25	0.	0.	0.	0.	0.	0.	0.	0.
BA140	2.06E-02	1.22E-01	1.16E-01	9.83E-02	7.50E-02	4.36E-02	2.54E-02	8.60E-03	5.74E-04	2.55E-06	1.13E-08	0.
LA140	4.90E-08	4.24E-02	6.83E-02	9.44E-02	8.39E-02	5.02E-02	2.92E-02	9.92E-03	6.59E-04	2.94E-06	1.31E-08	0.
LA141	2.71E-01	1.07E-01	1.51E-03	4.17E-09	2.28E-18	6.81E-37	2.03E-55	0.	0.	0.	0.	0.
CE141	3.35E-08	3.71E-02	3.68E-02	3.46E-02	3.11E-02	2.51E-02	2.02E-02	1.32E-02	4.53E-03	5.33E-04	6.28E-05	0.
LA142	1.23E+00	2.70E-04	5.23E-09	3.85E-23	0.	0.	0.	0.	0.	0.	0.	0.
CE143	7.20E-03	2.96E-01	1.79E-01	3.94E-02	3.17E-03	2.05E-05	1.33E-07	5.55E-12	6.27E-23	0.	0.	0.
PR143	2.10E-09	1.89E-02	2.95E-02	3.80E-02	3.26E-02	1.99E-02	1.20E-02	4.33E-03	3.47E-04	2.20E-06	1.40E-08	0.
CE144	2.71E-04	1.94E-03	1.93E-03	1.92E-03	1.89E-03	1.85E-03	1.80E-03	1.72E-03	1.52E-03	1.19E-03	9.33E-04	0.
PR144	7.42E-08	1.94E-03	1.93E-03	1.92E-03	1.89E-03	1.85E-03	1.80E-03	1.72E-03	1.52E-03	1.19E-03	9.33E-04	0.
PR145	1.21E-02	1.24E-01	7.68E-03	1.82E-06	1.66E-12	1.37E-24	1.14E-36	0.	0.	0.	0.	0.
ND147	1.63E-06	2.74E-02	2.57E-02	2.13E-02	1.56E-02	8.38E-03	4.48E-03	1.29E-03	5.64E-05	1.10E-07	2.13E-10	0.
PM147	4.52E-15	2.05E-05	3.97E-05	9.06E-05	1.57E-04	2.39E-04	2.82E-04	3.15E-04	3.18E-04	2.96E-04	2.75E-04	0.
ND149	2.90E+00	2.81E-04	2.72E-08	2.48E-20	2.12E-40	0.	0.	0.	0.	0.	0.	0.
PM149	4.04E-04	7.46E-02	5.47E-02	2.13E-02	4.46E-03	1.94E-04	8.45E-06	1.61E-08	2.54E-15	6.26E-29	1.56E-42	0.
PM150	3.64E-02	7.68E-05	1.62E-07	1.52E-15	6.35E-29	0.	0.	0.	0.	0.	0.	0.

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CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

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DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	9.39E-03	6.40E-02	3.53E-02	5.94E-03	3.05E-04	8.00E-07	2.11E-09	1.45E-14	1.82E-27	0.	0.
SM153	3.53E-02	2.48E-02	1.74E-02	6.02E-03	1.02E-03	2.98E-05	8.65E-07	7.27E-10	1.50E-17	6.39E-33	2.71E-48
SM156	5.26E-02	8.97E-03	1.53E-03	7.54E-06	1.09E-09	2.23E-17	4.61E-25	1.96E-40	0.	0.	0.
EU155	1.84E-06	6.24E-05	6.23E-05	6.23E-05	6.21E-05	6.19E-05	6.16E-05	6.11E-05	6.00E-05	5.76E-05	5.53E-05
EU156	1.54E-04	1.25E-03	1.39E-03	1.24E-03	9.88E-04	6.20E-04	3.91E-04	1.55E-04	1.54E-05	1.52E-07	1.49E-09
EU157	8.29E-03	9.58E-03	3.22E-03	1.21E-04	5.08E-07	8.95E-12	1.58E-16	4.93E-26	0.	0.	0.
GD159	1.91E-03	3.77E-03	1.50E-03	9.35E-05	9.21E-07	8.92E-11	8.64E-15	8.11E-23	6.93E-43	0.	0.
TB161	2.73E-05	1.78E-04	1.61E-04	1.19E-04	7.22E-05	2.64E-05	9.66E-06	1.29E-06	8.57E-09	3.70E-13	1.61E-17
TOTAL	1.88E+02	8.04E+01	4.23E+01	1.21E+01	6.90E+00	5.69E+00	5.11E+00	4.28E+00	2.86E+00	1.34E+00	6.55E-01

CABRIOLET MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	8.69E-04	7.50E-06	6.98E-07	6.48E-08	5.21E-11	4.17E-14	3.12E-18	2.00E-24	0.	0.	0.
MN 54	1.31E-02	5.64E-03	3.72E-03	2.44E-03	6.98E-04	1.99E-04	3.75E-05	3.07E-06	7.20E-10	2.61E-15	9.43E-21
FE 59	1.51E-03	5.43E-06	3.26E-07	1.96E-08	4.26E-12	9.19E-16	1.20E-20	5.61E-28	0.	0.	0.
* CO 57	6.40E-04	2.52E-04	1.58E-04	9.90E-05	2.44E-05	6.02E-06	9.29E-08	5.64E-08	4.93E-12	4.05E-18	0.
** CO 58	2.47E-03	7.11E-05	1.21E-05	2.04E-06	9.95E-09	4.84E-11	4.00E-14	9.48E-19	3.62E-34	0.	0.
* CO 60	1.78E-05	1.56E-05	1.45E-05	1.36E-05	1.12E-05	9.17E-06	7.04E-06	4.75E-06	1.27E-06	1.77E-07	2.44E-08
W181	1.95E+00	2.41E-01	8.51E-02	2.97E-02	1.29E-02	5.59E-03	8.51E-04	1.59E-04	1.31E-18	0.	0.
W185	4.13E+00	1.42E-01	2.63E-02	4.87E-03	3.10E-05	1.98E-07	2.33E-10	9.45E-15	0.	0.	0.
W188	3.04E-02	7.89E-04	1.28E-04	2.05E-05	8.67E-08	3.63E-10	2.46E-13	4.35E-18	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.48E-01	3.69E-10	3.60E-10	3.50E-10	3.28E-10	3.04E-10	2.77E-10	2.40E-10	1.49E-10	7.32E-11	3.60E-11
AM241	1.37E-04	1.37E-04	1.37E-04	1.37E-04	1.38E-04	1.39E-04	1.39E-04	1.39E-04	1.40E-04	1.39E-04	1.37E-04
CM242	3.45E-04	7.32E-05	3.37E-05	1.55E-05	1.51E-06	1.47E-07	6.59E-09	6.23E-11	1.79E-15	1.67E-15	1.56E-15
KR 85	5.79E-07	1.44E-05	1.39E-05	1.35E-05	1.23E-05	1.11E-05	9.76E-06	8.04E-06	4.25E-06	1.62E-06	6.21E-07
SR 89	4.76E-07	1.11E-04	9.74E-06	8.56E-07	5.76E-10	3.89E-13	2.30E-17	1.04E-23	7.58E-45	0.	0.
SR 90	9.21E-07	9.21E-05	9.12E-05	9.04E-05	8.70E-05	8.37E-05	7.97E-05	7.40E-05	5.78E-05	3.99E-05	2.76E-05
Y 90	1.36E-12	9.21E-05	9.12E-05	9.04E-05	8.70E-05	8.37E-05	7.97E-05	7.40E-05	5.78E-05	3.99E-05	2.76E-05
Y 91	3.19E-09	2.16E-04	2.51E-05	2.92E-06	4.57E-09	7.17E-12	1.31E-15	3.22E-21	6.51E-40	0.	0.
ZR 95	9.07E-05	2.33E-04	3.33E-05	4.74E-06	1.38E-08	4.02E-11	1.66E-14	1.40E-19	1.72E-36	0.	0.
NB 95M	1.93E-12	4.93E-06	7.04E-07	1.01E-07	2.93E-10	8.52E-13	3.53E-16	2.98E-21	3.65E-38	0.	0.
NB 95	1.01E-11	5.01E-04	7.20E-05	1.03E-05	2.98E-08	8.64E-11	3.61E-14	3.04E-19	3.73E-36	0.	0.
RU103	2.87E-05	1.11E-04	4.55E-06	1.87E-07	1.28E-11	8.76E-16	2.46E-21	1.16E-29	0.	0.	0.
RH103M	1.91E-09	1.11E-04	4.55E-06	1.87E-07	1.28E-11	8.76E-16	2.46E-21	1.16E-29	0.	0.	0.
RU106	2.59E-04	2.47E-03	1.75E-03	1.24E-03	4.40E-04	1.56E-04	3.93E-05	4.98E-06	5.02E-09	1.61E-13	5.19E-18
RH106	2.81E-06	2.47E-03	1.75E-03	1.24E-03	4.40E-04	1.56E-04	3.93E-05	4.98E-06	5.02E-09	1.61E-13	5.19E-18
SN123	2.47E-06	3.42E-05	1.24E-05	4.51E-06	2.16E-07	1.04E-08	1.81E-10	4.17E-13	6.69E-22	4.31E-35	2.76E-48
SB125	3.99E-05	8.03E-05	7.06E-05	6.21E-05	4.23E-05	2.88E-05	1.72E-05	7.96E-06	6.12E-07	1.30E-08	2.77E-10
TE125M	1.07E-12	3.28E-05	2.91E-05	2.57E-05	1.75E-05	1.19E-05	7.13E-06	3.29E-06	2.53E-07	5.39E-09	1.15E-10
TE127M	9.95E-11	4.76E-05	1.49E-05	4.66E-06	1.43E-07	4.41E-09	4.24E-11	3.99E-14	3.28E-24	2.45E-39	1.82E-54
TE127	6.94E-03	4.71E-05	1.47E-05	4.61E-06	1.42E-07	4.36E-09	4.19E-11	3.95E-14	3.24E-24	2.41E-39	1.81E-54
CS137	2.12E-05	2.24E-04	2.21E-04	2.18E-04	2.11E-04	2.03E-04	1.94E-04	1.82E-04	1.43E-04	1.02E-04	7.20E-05
BA137M	4.47E-08	2.10E-04	2.07E-04	2.04E-04	1.97E-04	1.90E-04	1.82E-04	1.70E-04	1.35E-04	9.52E-05	6.74E-05
CE141	3.35E-08	1.44E-05	2.90E-07	5.83E-09	4.75E-14	3.87E-19	6.34E-26	4.21E-36	0.	0.	0.
CE144	2.71E-04	7.95E-04	5.11E-04	3.26E-04	8.56E-05	2.25E-05	3.79E-06	2.61E-07	3.52E-11	5.52E-17	8.60E-23
PR144	7.42E-08	7.95E-04	5.11E-04	3.26E-04	8.56E-05	2.25E-05	3.79E-06	2.61E-07	3.52E-11	5.52E-17	8.60E-23
PM147	4.52E-15	2.63E-04	2.30E-04	2.01E-04	1.35E-04	9.11E-05	5.35E-05	2.43E-05	1.72E-06	3.26E-08	6.17E-10
EU155	1.84E-06	5.39E-05	5.01E-05	4.66E-05	3.75E-05	3.01E-05	2.25E-05	1.45E-05	3.39E-06	3.82E-07	4.30E-08
TOTAL	6.29E+00	3.99E-01	1.21E-01	4.15E-02	1.57E-02	1.50E-03	9.16E-04	7.15E-04	5.45E-04	4.18E-04	3.32E-04

**APPENDIX I
DETAILED RESULTS FOR EVENT BUGGY**

BUGGY
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	3.35E+01	3.45E+03
1.00E+00	1.04E+01	7.49E+02
2.00E+00	4.64E+00	3.48E+02
3.00E+00	2.89E+00	2.48E+02
4.00E+00	2.13E+00	2.06E+02
6.00E+00	1.50E+00	1.65E+02
9.00E+00	1.17E+00	1.36E+02
1.20E+01	1.00E+00	1.18E+02
1.50E+01	8.74E-01	1.04E+02
1.80E+01	7.78E-01	9.34E+01
2.10E+01	6.93E-01	8.39E+01
1.00E+00 DAYS	6.22E-01	7.59E+01
2.00E+00	2.92E-01	3.78E+01
5.00E+00	4.98E-02	8.17E+00
1.00E+01	1.12E-02	2.99E+00
2.00E+01	4.27E-03	1.95E+00
3.00E+01	2.55E-03	1.63E+00
5.00E+01	1.31E-03	1.29E+00
1.00E+02	5.55E-04	8.30E-01
2.00E+02	2.42E-04	3.84E-01
3.00E+02	1.31E-04	1.91E-01
1.00E+00 YEARS	9.41E-05	1.19E-01
1.50E+00	4.55E-05	3.96E-02
2.00E+00	2.66E-05	1.59E-02
3.50E+00	1.08E-05	6.30E-03
5.00E+00	4.82E-06	1.50E-03
7.00E+00	3.15E-06	9.66E-04
1.00E+01	2.47E-06	7.47E-04
2.00E+01	1.74E-06	5.36E-04
3.50E+01	1.20E-06	3.79E-04
5.00E+01	8.42E-07	2.74E-04

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	4.32E-04	4.32E-04	4.32E-04	4.32E-04	4.32E-04	4.31E-04	4.30E-04	4.29E-04	4.28E-04	4.28E-04	4.27E-04
NA 24	4.23E+00	4.05E+00	3.87E+00	3.69E+00	3.52E+00	3.21E+00	2.79E+00	2.44E+00	2.12E+00	1.85E+00	1.60E+00
MN 54	4.96E-03	4.96E-03	4.96E-03	4.96E-03	4.96E-03	4.96E-03	4.96E-03	4.92E-03	4.92E-03	4.92E-03	4.92E-03
FE 55	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03	8.65E-03
FE 59	8.71E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.69E-04	8.67E-04	8.66E-04	8.63E-04	8.62E-04	8.61E-04
CO 57	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04	7.96E-04
CO 58	4.00E-03	4.00E-03	4.00E-03	4.00E-03	3.99E-03	3.99E-03	3.99E-03	3.99E-03	3.98E-03	3.98E-03	3.97E-03
CO 60	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.44E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	5.46E-01	5.46E-01	5.46E-01	5.46E-01	5.46E-01	5.46E-01	5.44E-01	5.44E-01	5.44E-01	5.44E-01	5.44E-01
W185	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.07E+00	1.07E+00
W187	1.12E+02	1.08E+02	1.05E+02	1.02E+02	9.93E+01	9.35E+01	8.59E+01	7.88E+01	7.20E+01	6.64E+01	6.05E+01
W188	3.43E-03	3.43E-03	3.43E-03	3.42E-03	3.42E-03	3.42E-03	3.41E-03	3.41E-03	3.40E-03	3.40E-03	3.39E-03
AU198	3.39E-01	3.36E-01	3.33E-01	3.27E-01	3.24E-01	3.18E-01	3.07E-01	2.98E-01	2.87E-01	2.79E-01	2.69E-01
AU199	1.63E-02	1.64E-02	1.62E-02	1.61E-02	1.60E-02	1.57E-02	1.52E-02	1.48E-02	1.44E-02	1.40E-02	1.36E-02
PB203	5.15E-01	5.08E-01	5.01E-01	4.94E-01	4.86E-01	4.76E-01	4.58E-01	4.40E-01	4.22E-01	4.04E-01	3.89E-01
U237	1.84E-01	1.83E-01	1.83E-01	1.82E-01	1.81E-01	1.79E-01	1.77E-01	1.75E-01	1.73E-01	1.70E-01	1.68E-01
U239	2.99E+02	5.09E+01	8.69E+00	1.48E+00	2.52E-01	7.33E-03	3.63E-05	1.79E-07	8.87E-10	4.39E-12	2.17E-14
* U240	6.93E-03	6.60E-03	6.29E-03	5.99E-03	5.70E-03	5.16E-03	4.45E-03	3.84E-03	3.31E-03	2.86E-03	2.46E-03
* NP239	1.02E-03	1.71E+00	1.98E+00	2.01E+00	2.00E+00	1.95E+00	1.87E+00	1.81E+00	1.75E+00	1.68E+00	1.62E+00
* NP240M	1.10E-05	6.63E-03	6.34E-03	6.04E-03	5.75E-03	5.20E-03	4.49E-03	3.88E-03	3.34E-03	2.88E-03	2.49E-03
* NP240	2.78E-13	1.43E-13	7.42E-14	3.83E-14	1.98E-14	5.29E-15	7.30E-16	1.01E-16	1.39E-17	1.91E-18	2.65E-19
AM241	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05
CM242	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03
GE 75	4.39E-06	2.13E-02	1.28E-02	7.71E-03	4.64E-03	1.68E-03	3.68E-04	8.05E-05	1.76E-05	3.83E-06	8.38E-07
GE 77	2.51E-03	6.47E-03	6.08E-03	5.72E-03	5.39E-03	4.76E-03	3.96E-03	3.29E-03	2.74E-03	2.28E-03	1.90E-03
AS 77M	2.60E-05	4.10E-03	4.15E-03	4.18E-03	4.20E-03	4.23E-03	4.23E-03	4.20E-03	4.14E-03	4.06E-03	3.95E-03
SE 77M	1.02E-09	1.23E-05	1.25E-05	1.26E-05	1.26E-05	1.27E-05	1.27E-05	1.27E-05	1.25E-05	1.22E-05	1.18E-05
GE 78	3.75E-01	2.35E-01	1.46E-01	9.12E-02	5.70E-02	2.22E-02	5.38E-03	1.30E-03	3.18E-04	7.73E-05	1.88E-05
AS 78	6.75E-03	1.12E-01	1.38E-01	1.29E-01	1.08E-01	6.39E-02	2.37E-02	7.87E-03	2.44E-03	7.29E-04	2.11E-04
AS 79	6.37E+00	6.27E-02	6.18E-04	6.09E-06	5.99E-08	5.80E-12	5.54E-18	5.28E-24	5.04E-30	4.81E-36	4.59E-42
SE 79M	9.43E-03	1.11E-01	1.09E-03	1.08E-05	1.06E-07	1.02E-11	9.77E-18	9.32E-24	8.89E-30	8.49E-36	8.10E-42
BR 80	3.38E-02	3.19E-03	3.00E-04	2.82E-05	2.65E-06	2.35E-08	1.97E-11	1.64E-14	1.37E-17	1.14E-20	9.53E-24
SE 81M	2.50E-02	1.17E+00	5.63E-01	2.71E-01	1.30E-01	3.04E-02	3.40E-03	3.82E-04	4.28E-05	4.79E-06	5.37E-07
SE 81	3.05E-01	1.38E+00	7.98E-01	3.98E-01	1.93E-01	4.51E-02	5.05E-03	5.66E-04	6.34E-05	7.12E-06	7.97E-07
BR 82	1.25E-04	1.22E-04	1.20E-04	1.18E-04	1.15E-04	1.11E-04	1.05E-04	9.86E-05	9.31E-05	8.77E-05	8.27E-05
SE 83	1.05E+01	1.98E+00	3.75E-01	7.12E-02	1.35E-02	4.84E-04	3.29E-06	2.24E-08	1.53E-10	1.04E-12	6.58E-15
BR 83	8.68E-02	1.30E+00	1.20E+00	9.44E-01	7.17E-01	4.05E-01	1.71E-01	7.20E-02	3.05E-02	1.28E-02	5.42E-03
KR 83M	4.49E-06	2.94E-01	5.99E-01	7.45E-01	7.68E-01	6.41E-01	3.78E-01	1.94E-01	9.37E-02	4.33E-02	1.94E-02

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	1.96E-02	3.39E+00	9.15E-01	2.48E-01	6.69E-02	4.89E-03	9.68E-05	1.91E-06	3.78E-08	7.48E-10	1.48E-11	
KR 85M	6.96E-04	1.49E+00	1.27E+00	1.08E+00	9.27E-01	6.77E-01	4.22E-01	2.63E-01	1.64E-01	1.02E-01	6.37E-02	
KR 87	1.11E+01	6.41E+00	3.71E+00	2.14E+00	1.24E+00	4.15E-01	8.05E-02	1.56E-02	3.02E-03	5.85E-04	1.13E-04	
KR 88	5.66E+00	4.42E+00	3.45E+00	2.69E+00	2.10E+00	1.28E+00	6.09E-01	2.90E-01	1.38E-01	6.57E-02	3.12E-02	
RB 88	1.44E+00	4.47E+00	3.81E+00	3.00E+00	2.35E+00	1.43E+00	6.83E-01	3.25E-01	1.55E-01	7.36E-02	3.50E-02	
RB 89	7.73E+00	7.26E+00	4.88E-01	3.28E-02	2.20E-03	9.95E-06	3.01E-09	9.09E-13	2.77E-16	8.39E-20	2.54E-23	
SR 89	5.92E-07	2.08E-02	2.22E-02	2.22E-02	2.22E-02	2.22E-02	2.22E-02	2.21E-02	2.21E-02	2.20E-02	2.20E-02	
SR 90	1.15E-06	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	
SR 91	1.44E-01	2.69E+00	2.50E+00	2.33E+00	2.17E+00	1.88E+00	1.51E+00	1.22E+00	9.89E-01	7.94E-01	6.40E-01	
Y 91M	9.71E-06	9.25E-01	1.26E+00	1.35E+00	1.33E+00	1.20E+00	9.80E-01	7.88E-01	6.36E-01	5.13E-01	4.14E-01	
SR 92	3.97E-09	8.23E-04	1.90E-03	3.03E-03	4.14E-03	6.20E-03	8.80E-03	1.09E-02	1.26E-02	1.40E-02	1.51E-02	
SR 92	9.41E-01	4.20E+00	3.25E+00	2.52E+00	1.95E+00	1.17E+00	5.42E-01	2.52E-01	1.17E-01	5.42E-02	2.52E-02	
Y 92	4.34E-02	8.84E-01	1.39E+00	1.65E+00	1.75E+00	1.67E+00	1.28E+00	8.71E-01	5.60E-01	3.45E-01	2.08E-01	
SR 93	4.34E+01	7.47E-01	4.13E-03	2.28E-05	1.26E-07	3.84E-12	6.48E-19	1.09E-25	1.85E-32	3.11E-39	5.25E-46	
Y 93	5.29E-02	1.71E+00	1.61E+00	1.50E+00	1.41E+00	1.23E+00	1.00E+00	8.16E-01	6.63E-01	5.44E-01	4.42E-01	
Y 94	6.51E+00	8.90E+00	1.15E+00	1.48E-01	1.91E-02	3.17E-04	6.79E-07	1.45E-09	3.11E-12	6.79E-15	3.76E-16	
Y 95	3.01E+01	2.83E+00	6.24E-02	1.38E-03	3.03E-05	1.47E-08	1.57E-13	1.68E-18	1.80E-23	1.92E-28	2.05E-33	
ZR 95	1.13E-04	1.48E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	
NB 95	1.26E-11	9.11E-06	2.12E-05	3.34E-05	4.56E-05	6.98E-05	1.06E-04	1.43E-04	1.78E-04	2.14E-04	2.50E-04	
ZR 97	3.05E-01	1.33E+00	1.27E+00	1.22E+00	1.17E+00	1.08E+00	9.54E-01	8.44E-01	7.50E-01	6.61E-01	5.87E-01	
NB 97M	1.57E-03	1.27E+00	1.22E+00	1.17E+00	1.13E+00	1.04E+00	9.18E-01	8.13E-01	7.18E-01	6.34E-01	5.61E-01	
NB 97	1.53E-01	6.66E-01	9.39E-01	1.07E+00	1.12E+00	1.12E+00	1.02E+00	9.07E-01	8.02E-01	7.08E-01	6.29E-01	
NB 98	1.83E+00	8.09E-01	3.58E-01	1.58E-01	7.01E-02	1.37E-02	1.19E-03	1.02E-04	8.93E-06	7.73E-07	6.65E-08	
MO 99	1.04E-03	4.29E-01	4.24E-01	4.20E-01	4.16E-01	4.07E-01	3.95E-01	3.83E-01	3.71E-01	3.60E-01	3.49E-01	
TC 99M	9.66E-09	4.09E-02	7.68E-02	1.09E-01	1.36E-01	1.82E-01	2.31E-01	2.62E-01	2.81E-01	2.92E-01	2.97E-01	
MO101	4.46E+01	2.01E+01	1.17E+00	6.77E-02	3.93E-03	1.32E-05	2.56E-09	4.98E-13	9.69E-17	1.88E-20	3.67E-24	
TC101	1.88E+00	5.64E+01	6.17E+00	5.06E-01	3.69E-02	1.66E-04	4.16E-08	9.31E-12	1.97E-15	4.06E-19	8.22E-23	
MO102	4.24E+02	9.68E+00	2.20E-01	5.03E-03	1.15E-04	5.96E-08	7.09E-13	8.41E-18	9.96E-23	1.18E-27	1.40E-32	
TC102M	2.73E-01	8.18E+00	1.88E-01	4.28E-03	9.76E-05	5.05E-08	6.00E-13	7.11E-18	8.43E-23	1.00E-27	1.19E-32	
TC102	1.28E+03	4.87E+00	1.11E-01	2.53E-03	5.78E-05	3.01E-08	3.58E-13	4.24E-18	5.03E-23	5.96E-28	7.07E-33	
RU103	3.56E-05	8.27E-02	8.25E-02	8.25E-02	8.25E-02	8.23E-02	8.20E-02	8.20E-02	8.18E-02	8.16E-02	8.14E-02	
RH103M	2.38E-09	4.27E-02	6.33E-02	7.34E-02	7.82E-02	8.14E-02	8.20E-02	8.20E-02	8.18E-02	8.16E-02	8.16E-02	
TC104	3.47E+01	2.49E+01	2.49E+00	2.47E-01	2.44E-02	2.40E-04	2.35E-07	2.29E-10	2.24E-13	2.19E-16	2.14E-19	
RU105	3.40E-01	1.18E+01	1.01E+01	8.62E+00	7.38E+00	5.49E+00	3.38E+00	2.11E+00	1.32E+00	8.27E-01	5.19E-01	
RH105M	2.24E-03	1.18E+01	1.01E+01	8.64E+00	7.38E+00	5.42E+00	3.38E+00	2.12E+00	1.33E+00	8.30E-01	5.19E-01	
RH105	3.68E-09	2.39E-01	4.45E-01	6.14E-01	7.55E-01	9.66E-01	1.16E+00	1.24E+00	1.27E+00	1.25E+00	1.22E+00	
RU106	3.23E-04	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	
RH106	3.49E-06	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	
RH107	1.08E-01	1.46E+01	2.22E+00	3.34E-01	5.04E-02	1.15E-03	3.96E-06	1.37E-08	4.70E-11	1.61E-14	1.60E-17	
PD107M	2.24E-04	2.98E+00	4.50E-01	6.80E-02	1.03E-02	2.34E-04	8.06E-07	2.78E-09	9.56E-12	3.30E-14	1.13E-16	

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	6.63E-03	5.50E-01	5.23E-01	4.96E-01	4.71E-01	4.25E-01	3.65E-01	3.13E-01	2.68E-01	2.30E-01	1.97E-01
AG109M	3.82E-05	5.50E-01	5.23E-01	4.97E-01	4.72E-01	4.26E-01	3.65E-01	3.13E-01	2.68E-01	2.30E-01	1.97E-01
PD111M	7.93E-01	6.99E-01	6.16E-01	5.45E-01	4.80E-01	3.73E-01	2.55E-01	1.75E-01	1.20E-01	8.20E-02	5.63E-02
PD111	2.82E-01	5.09E-01	4.89E-01	4.35E-01	3.85E-01	2.99E-01	2.05E-01	1.41E-01	9.62E-02	6.60E-02	4.53E-02
AG111M	2.24E-03	6.87E-01	6.45E-01	5.77E-01	5.09E-01	3.94E-01	2.69E-01	1.84E-01	1.26E-01	8.68E-02	5.92E-02
AG111	7.99E-10	2.37E-03	4.97E-03	7.31E-03	9.39E-03	1.28E-02	1.64E-02	1.88E-02	2.04E-02	2.14E-02	2.20E-02
PD112	1.55E-01	1.50E-01	1.45E-01	1.40E-01	1.36E-01	1.27E-01	1.15E-01	1.04E-01	9.43E-02	8.54E-02	7.74E-02
AG112	4.66E-06	2.97E-02	5.24E-02	7.03E-02	8.35E-02	1.00E-01	1.10E-01	1.09E-01	1.04E-01	9.72E-02	8.96E-02
AG113	1.31E-03	2.81E-01	2.47E-01	2.17E-01	1.90E-01	1.46E-01	9.89E-02	6.67E-02	4.51E-02	3.04E-02	2.06E-02
AG115	4.08E-01	4.37E-01	5.44E-02	6.80E-03	8.51E-04	1.33E-05	2.60E-08	5.08E-11	9.84E-14	9.77E-16	9.06E-17
CD115M	3.33E-09	8.87E-05	9.97E-05	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.00E-04	1.00E-04	1.00E-04
CD115	1.29E-06	2.43E-02	2.61E-02	2.61E-02	2.57E-02	2.51E-02	2.41E-02	2.32E-02	2.23E-02	2.15E-02	2.06E-02
IN115M	1.61E-11	2.68E-03	5.95E-03	8.83E-03	1.13E-02	1.50E-02	1.85E-02	2.04E-02	2.13E-02	2.15E-02	2.13E-02
CD117	2.86E-02	4.76E-01	3.59E-01	2.68E-01	2.01E-01	1.13E-01	4.73E-02	1.99E-02	8.38E-03	3.52E-03	1.48E-03
IN117M	1.37E-06	1.66E-01	2.40E-01	2.60E-01	2.51E-01	1.98E-01	1.13E-01	5.80E-02	2.78E-02	1.29E-02	5.83E-03
IN117	5.53E-11	3.02E-02	7.31E-02	1.02E-01	1.13E-01	1.04E-01	6.64E-02	3.55E-02	1.77E-02	8.31E-03	3.82E-03
CD118	1.87E+00	8.02E-01	3.44E-01	1.47E-01	6.28E-02	1.15E-02	9.02E-04	7.05E-05	5.55E-06	4.34E-07	3.41E-08
IN118	1.24E-01	8.02E-01	3.44E-01	1.47E-01	6.28E-02	1.15E-02	9.02E-04	7.08E-05	5.55E-06	4.34E-07	3.41E-08
CD119	4.68E+00	7.31E-02	1.14E-03	1.78E-05	2.79E-07	6.82E-11	2.60E-16	9.93E-22	3.78E-27	1.44E-32	5.52E-38
IN119M	7.06E-03	7.90E-01	8.60E-02	8.67E-03	8.63E-04	8.49E-06	8.29E-09	8.11E-12	7.90E-15	7.73E-18	7.55E-21
IN119	3.48E-01	4.16E-02	4.82E-03	4.89E-04	4.89E-05	4.79E-07	4.68E-10	4.56E-13	4.47E-16	4.37E-19	4.26E-22
SN121	5.87E-04	6.05E-02	5.87E-02	5.73E-02	5.60E-02	5.32E-02	4.91E-02	4.56E-02	4.21E-02	3.90E-02	3.63E-02
SN123M	3.27E-01	6.12E-01	2.17E-01	7.67E-02	2.71E-02	3.38E-03	1.50E-04	6.63E-06	2.93E-07	1.29E-08	5.72E-10
SN123	3.07E-06	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04	3.21E-04
SN125	8.26E-03	8.24E-03	8.22E-03	8.20E-03	8.16E-03	8.11E-03	8.05E-03	7.96E-03	7.90E-03	7.81E-03	7.75E-03
SB125	4.96E-05	4.98E-05	5.01E-05	5.03E-05	5.05E-05	5.09E-05	5.18E-05	5.24E-05	5.31E-05	5.37E-05	5.44E-05
SB126	1.35E-03	1.34E-03	1.34E-03	1.34E-03	1.33E-03	1.33E-03	1.32E-03	1.31E-03	1.30E-03	1.29E-03	1.28E-03
SN127	1.31E+00	9.41E-01	6.77E-01	4.87E-01	3.51E-01	1.81E-01	6.72E-02	2.50E-02	9.27E-03	3.45E-03	1.28E-03
SB127	1.53E-02	5.27E-02	5.84E-02	6.22E-02	6.49E-02	6.77E-02	6.87E-02	6.81E-02	6.70E-02	6.56E-02	6.43E-02
TE127	8.63E-03	1.08E-02	1.31E-02	1.55E-02	1.79E-02	2.25E-02	2.88E-02	3.36E-02	3.74E-02	4.03E-02	4.22E-02
SN128	8.48E+00	4.19E+00	2.07E+00	1.02E+00	5.06E-01	1.24E-01	1.49E-02	1.80E-03	2.17E-04	2.63E-05	3.17E-06
SB128M	4.32E-03	4.77E+00	2.48E+00	1.22E+00	6.03E-01	1.48E-01	1.78E-02	2.15E-03	2.59E-04	3.13E-05	3.78E-06
SB128	3.58E-01	3.44E-01	3.24E-01	3.04E-01	2.84E-01	2.43E-01	1.94E-01	1.54E-01	1.22E-01	9.70E-02	7.70E-02
SN129M	4.88E+00	2.43E+00	1.22E+00	6.10E-01	3.05E-01	7.62E-02	9.54E-03	1.19E-03	1.49E-04	1.86E-05	2.33E-06
SN129	3.26E+01	3.19E-01	3.15E-03	3.11E-05	3.05E-07	2.97E-11	2.82E-17	2.70E-23	2.58E-29	2.45E-35	2.35E-41
SB129	1.83E+00	3.07E+00	2.88E+00	2.58E+00	2.27E+00	1.68E+00	1.05E+00	6.49E-01	4.00E-01	2.47E-01	1.52E-01
TE129M	3.46E-08	3.83E-04	7.89E-04	1.16E-03	1.49E-03	2.02E-03	2.55E-03	2.88E-03	3.09E-03	3.21E-03	3.30E-03
TE129	1.32E+00	1.81E+00	2.12E+00	2.20E+00	2.12E+00	1.76E+00	1.17E+00	7.38E-01	4.59E-01	2.84E-01	1.76E-01
SB130M	1.85E-01	3.49E-01	9.17E-04	2.41E-06	6.34E-09	4.37E-14	7.97E-22	1.45E-29	2.63E-37	4.78E-45	8.69E-53
SB130	3.17E+01	9.59E+00	2.73E+00	7.72E-01	2.19E-01	1.76E-02	4.01E-04	9.15E-06	2.09E-07	4.76E-09	1.09E-10

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	8.83E-03	8.35E-03	7.91E-03	7.46E-03	7.06E-03	6.32E-03	5.34E-03	4.51E-03	3.81E-03	3.23E-03	2.73E-03
SB131	6.77E+01	1.77E+01	2.89E+00	4.75E-01	7.79E-02	2.10E-03	9.23E-06	4.08E-08	1.79E-10	7.92E-13	3.95E-15
TE131M	3.26E-05	1.70E-01	1.94E-01	1.95E-01	1.91E-01	1.82E-01	1.70E-01	1.59E-01	1.48E-01	1.38E-01	1.29E-01
TE131	3.00E+01	3.26E+01	1.06E+01	2.76E+00	6.71E-01	6.30E-02	3.13E-02	2.89E-02	2.70E-02	2.52E-02	2.35E-02
I131	4.36E-03	1.51E-01	2.22E-01	2.44E-01	2.48E-01	2.50E-01	2.50E-01	2.48E-01	2.48E-01	2.46E-01	2.46E-01
TE132	2.97E-01	7.23E-01	7.16E-01	7.10E-01	7.03E-01	6.90E-01	6.72E-01	6.54E-01	6.38E-01	6.20E-01	6.04E-01
I132	7.30E-01	7.28E-01	7.26E-01	7.23E-01	7.17E-01	7.08E-01	6.92E-01	6.74E-01	6.56E-01	6.40E-01	6.24E-01
TE133M	3.51E-02	1.22E+01	5.30E+00	2.31E+00	1.00E+00	1.91E-01	1.57E-02	1.29E-03	1.07E-04	8.79E-06	7.25E-07
TE133	1.97E+02	1.12E+01	1.24E+00	4.11E-01	1.74E-01	3.29E-02	2.72E-03	2.24E-04	1.86E-05	1.53E-06	1.26E-07
I133	3.06E-01	3.29E+00	3.56E+00	3.56E+00	3.49E+00	3.31E+00	3.01E+00	2.72E+00	2.46E+00	2.24E+00	2.02E+00
XE133M	1.30E-08	7.41E-04	1.79E-03	2.86E-03	3.89E-03	5.85E-03	8.48E-03	1.07E-02	1.27E-02	1.43E-02	1.57E-02
XE133	2.27E-07	1.29E-02	3.14E-02	5.01E-02	6.89E-02	1.04E-01	1.53E-01	1.96E-01	2.34E-01	2.67E-01	2.98E-01
TE134	6.38E+01	2.96E+01	1.10E+01	4.09E+00	1.52E+00	2.10E-01	1.08E-02	5.51E-04	2.82E-05	1.45E-06	7.43E-08
I134	2.92E+01	3.91E+01	2.74E+01	1.60E+01	8.62E+00	2.19E+00	2.40E-01	2.45E-02	2.40E-03	2.30E-04	2.19E-05
I135	5.12E+00	9.02E+00	8.14E+00	7.33E+00	6.62E+00	5.37E+00	3.94E+00	2.88E+00	2.12E+00	1.56E+00	1.14E+00
XE135M	5.67E-04	2.60E+00	2.53E+00	2.30E+00	2.06E+00	1.68E+00	1.23E+00	9.02E-01	6.62E-01	4.86E-01	3.56E-01
XE135	5.90E-01	1.17E+00	1.71E+00	2.15E+00	2.50E+00	3.00E+00	3.33E+00	3.34E+00	3.18E+00	2.90E+00	2.59E+00
CS136	5.50E-03	5.49E-03	5.48E-03	5.47E-03	5.45E-03	5.43E-03	5.39E-03	5.35E-03	5.32E-03	5.28E-03	5.25E-03
CS137	2.64E-05	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04
BA137M	5.56E-08	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04
XE138	1.62E+02	1.40E+01	1.22E+00	1.05E-01	9.12E-03	6.84E-05	4.44E-08	2.88E-11	1.88E-14	1.22E-17	7.92E-21
CS138	2.42E+01	4.07E+01	1.41E+01	4.14E+00	1.16E+00	8.84E-02	1.84E-03	3.82E-05	7.92E-07	1.65E-08	3.41E-10
CS139	2.01E+02	6.41E+00	8.04E-02	1.01E-03	1.27E-05	1.99E-09	3.96E-15	7.82E-21	1.55E-26	3.07E-32	6.07E-38
BA139	3.71E+00	4.13E+01	2.55E+01	1.55E+01	9.37E+00	3.44E+00	7.63E-01	1.69E-01	3.77E-02	8.35E-03	1.85E-03
BA140	2.57E-02	1.60E-01	1.60E-01	1.59E-01	1.59E-01	1.58E-01	1.58E-01	1.56E-01	1.55E-01	1.54E-01	1.53E-01
LA140	6.10E-08	2.74E-03	5.43E-03	8.06E-03	1.06E-02	1.56E-02	2.29E-02	2.96E-02	3.59E-02	4.19E-02	4.76E-02
BA141	3.65E+01	1.10E+01	1.09E+00	1.09E-01	1.08E-02	1.07E-04	1.04E-07	1.02E-10	9.90E-14	9.72E-17	9.46E-20
LA141	3.37E-01	7.14E+00	6.66E+00	5.64E+00	4.73E+00	3.32E+00	1.94E+00	1.14E+00	6.69E-01	3.92E-01	2.30E-01
CE141	4.17E-08	4.64E-03	1.09E-02	1.63E-02	2.09E-02	2.80E-02	3.48E-02	3.87E-02	4.10E-02	4.23E-02	4.30E-02
BA142	6.67E+01	2.65E+00	6.05E-02	1.38E-03	3.14E-05	1.63E-08	1.94E-13	2.30E-18	2.73E-23	3.24E-28	3.85E-33
LA142	1.53E+00	1.06E+01	7.01E+00	4.46E+00	2.84E+00	1.15E+00	2.96E-01	7.63E-02	1.97E-02	5.07E-03	1.31E-03
LA143	2.24E+01	4.37E+00	2.24E-01	1.15E-02	5.92E-04	1.55E-06	2.09E-10	2.82E-14	3.80E-18	5.12E-22	6.91E-26
CE143	8.95E-03	5.71E-01	5.92E-01	5.76E-01	5.65E-01	5.44E-01	5.10E-01	4.79E-01	4.50E-01	4.22E-01	3.96E-01
PR143	2.62E-09	8.74E-04	2.11E-03	3.33E-03	4.53E-03	6.86E-03	1.01E-02	1.32E-02	1.60E-02	1.87E-02	2.12E-02
CE144	3.37E-04	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
PR144	9.24E-08	2.20E-03	2.39E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
PR145	1.51E-02	2.22E+00	1.97E+00	1.76E+00	1.57E+00	1.24E+00	8.75E-01	6.18E-01	4.38E-01	3.09E-01	2.19E-01
CE146	4.96E+01	2.54E+00	1.30E-01	6.66E-03	3.43E-04	9.04E-07	1.22E-10	1.64E-14	2.21E-18	2.98E-22	4.02E-26
PR146	1.03E+00	8.92E+00	2.02E+00	3.80E-01	6.84E-02	2.15E-03	1.19E-05	6.55E-08	3.63E-10	2.00E-12	1.10E-14
PR147	5.68E+00	1.64E+00	5.13E-02	1.60E-03	5.01E-05	4.89E-08	1.49E-12	4.56E-17	1.39E-21	4.25E-26	1.29E-30

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	2.03E-06	3.81E-02	3.92E-02	3.91E-02	3.90E-02	3.88E-02	3.85E-02	3.82E-02	3.79E-02	3.76E-02	3.73E-02	
ND149	3.61E+00	2.46E+00	1.67E+00	1.14E+00	7.72E-01	3.58E-01	1.13E-01	3.56E-02	1.12E-02	3.52E-03	1.11E-03	
PM149	5.03E-04	3.93E-02	6.53E-02	8.26E-02	9.35E-02	1.05E-01	1.09E-01	1.07E-01	1.04E-01	1.00E-01	9.70E-02	
PM150	4.53E-02	3.50E-02	2.71E-02	2.09E-02	1.62E-02	9.70E-03	4.49E-03	2.08E-03	9.63E-04	4.46E-04	2.06E-04	
ND151	1.84E+01	5.76E-01	1.80E-02	5.63E-04	1.76E-05	1.72E-08	5.25E-13	1.60E-17	4.89E-22	1.49E-26	4.56E-31	
PM151	1.17E-02	1.37E-01	1.37E-01	1.34E-01	1.31E-01	1.24E-01	1.15E-01	1.07E-01	9.95E-02	9.21E-02	8.55E-02	
PM152	3.10E+01	3.03E-02	2.95E-05	2.89E-08	2.82E-11	2.69E-17	2.51E-26	2.34E-35	2.18E-44	2.03E-53	1.89E-62	
SM153	4.40E-02	4.33E-02	4.27E-02	4.21E-02	4.15E-02	4.03E-02	3.85E-02	3.68E-02	3.53E-02	3.38E-02	3.23E-02	
SM155	3.12E+00	5.12E-01	8.39E-02	1.37E-02	2.25E-03	6.06E-05	2.67E-07	1.18E-09	5.19E-12	2.31E-14	5.68E-17	
EU155	2.29E-06	6.53E-05	7.57E-05	7.73E-05	7.76E-05	7.76E-05	7.76E-05	7.76E-05	7.76E-05	7.76E-05	7.76E-05	
SM156	6.55E-02	6.08E-02	5.65E-02	5.24E-02	4.87E-02	4.20E-02	3.37E-02	2.70E-02	2.17E-02	1.74E-02	1.39E-02	
EU156	1.91E-04	3.12E-04	4.24E-04	5.28E-04	6.25E-04	7.96E-04	1.01E-03	1.17E-03	1.31E-03	1.42E-03	1.49E-03	
EU157	1.03E-02	3.42E-02	3.26E-02	3.12E-02	2.97E-02	2.72E-02	2.37E-02	2.07E-02	1.80E-02	1.57E-02	1.37E-02	
EU158	4.63E-01	1.88E-01	7.59E-02	3.07E-02	1.24E-02	2.04E-03	1.36E-04	9.00E-06	5.98E-07	3.97E-08	2.63E-09	
EU159	5.56E-01	5.53E-02	5.48E-03	5.44E-04	5.39E-05	5.32E-07	5.19E-10	5.07E-13	4.95E-16	4.84E-19	4.73E-22	
GD159	2.38E-03	1.04E-02	1.09E-02	1.05E-02	1.01E-02	9.38E-03	8.36E-03	7.45E-03	6.63E-03	5.91E-03	5.27E-03	
TB161	3.40E-05	2.44E-04	2.43E-04	2.42E-04	2.41E-04	2.39E-04	2.36E-04	2.33E-04	2.30E-04	2.28E-04	2.24E-04	
TOTAL	3.45E+03	7.49E+02	3.48E+02	2.48E+02	2.06E+02	1.65E+02	1.36E+02	1.18E+02	1.04E+02	9.34E+01	8.39E+01	

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	4.32E-04	4.27E-04	4.21E-04	4.06E-04	3.80E-04	3.33E-04	2.93E-04	2.25E-04	1.18E-04	3.20E-05	8.71E-06
NA 24	4.23E+00	1.40E+00	4.61E-01	1.65E-02	6.46E-05	9.88E-10	1.51E-14	3.51E-24	0.	0.	0.
MN 54	4.96E-03	4.92E-03	4.92E-03	4.83E-03	4.78E-03	4.70E-03	4.61E-03	4.39E-03	3.92E-03	3.12E-03	2.48E-03
FE 55	8.65E-03	8.65E-03	8.65E-03	8.60E-03	8.58E-03	8.54E-03	8.45E-03	8.34E-03	8.02E-03	7.48E-03	6.94E-03
FE 59	8.71E-04	8.58E-04	8.45E-04	8.07E-04	7.47E-04	6.41E-04	5.49E-04	4.04E-04	1.87E-04	4.00E-05	8.58E-06
CO 57	7.96E-04	7.96E-04	7.90E-04	7.90E-04	7.78E-04	7.55E-04	7.37E-04	7.02E-04	6.19E-04	4.78E-04	3.70E-04
CO 58	4.00E-03	3.97E-03	3.93E-03	3.81E-03	3.64E-03	3.30E-03	2.99E-03	2.46E-03	1.52E-03	5.73E-04	2.16E-04
CO 60	2.44E-05	2.44E-05	2.44E-05	2.44E-05	2.42E-05	2.42E-05	2.41E-05	2.39E-05	2.33E-05	2.26E-05	2.18E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	5.46E-01	5.44E-01	5.39E-01	5.31E-01	5.15E-01	4.88E-01	4.59E-01	4.11E-01	3.08E-01	1.73E-01	9.78E-02
W185	1.08E+00	1.07E+00	1.05E+00	1.03E+00	9.88E-01	9.99E-01	8.20E-01	6.81E-01	4.30E-01	1.71E-01	6.79E-02
W187	1.12E+02	5.56E+01	2.76E+01	3.44E+00	1.06E-01	1.01E-04	9.52E-08	8.59E-16	0.	0.	0.
W188	3.43E-03	3.39E-03	3.35E-03	3.26E-03	3.11E-03	2.80E-03	2.54E-03	2.08E-03	1.26E-03	4.65E-04	1.71E-04
AU198	3.39E-01	2.61E-01	2.02E-01	9.34E-02	2.58E-02	1.98E-03	1.51E-04	8.84E-07	2.31E-12	0.	0.
AU199	1.65E-02	1.33E-02	1.06E-02	5.49E-03	1.82E-03	2.00E-04	2.19E-05	2.65E-07	4.27E-12	1.11E-21	0.
PB203	3.75E-01	2.72E-01	1.04E-01	2.11E-02	8.68E-04	3.56E-05	5.98E-08	6.99E-15	0.	0.	0.
U237	1.84E-01	1.66E-01	1.50E-01	1.10E-01	6.59E-02	2.36E-02	8.47E-03	1.08E-03	6.39E-06	6.87E-10	4.64E-10
* U240	6.93E-03	2.14E-03	6.55E-04	1.90E-05	5.21E-08	3.92E-13	2.95E-18	1.66E-28	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.02E-03	1.56E+00	1.16E+00	4.80E-01	1.10E-01	5.74E-03	3.00E-04	8.24E-07	3.24E-13	7.74E-23	7.74E-23
* NP240M	1.10E-05	2.15E-03	6.60E-04	1.91E-05	5.25E-08	3.96E-13	2.97E-18	1.68E-28	0.	0.	0.
AM241	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.14E-05
CM242	1.39E-03	1.38E-03	1.38E-03	1.36E-03	1.33E-03	1.28E-03	1.23E-03	1.12E-03	9.15E-04	5.95E-04	3.89E-04
GE 77	2.51E-03	1.58E-03	3.62E-04	4.37E-06	2.78E-09	1.13E-15	4.54E-22	7.41E-35	0.	0.	0.
AS 77	2.60E-05	3.83E-03	2.77E-03	8.02E-04	9.40E-05	1.27E-06	1.73E-08	3.19E-12	1.48E-21	3.17E-40	6.81E-59
SE 77M	1.02E-09	1.15E-05	8.31E-06	2.41E-06	2.81E-07	3.82E-09	5.19E-11	9.58E-15	4.44E-24	9.49E-43	2.05E-61
AS 78	6.75E-03	6.01E-05	1.76E-09	1.49E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	1.25E-04	7.79E-05	4.87E-05	1.18E-05	1.12E-06	1.01E-08	9.04E-11	7.30E-15	4.26E-25	1.46E-45	4.98E-66
BR 83	8.68E-02	2.29E-03	2.30E-06	2.34E-15	2.38E-30	0.	0.	0.	0.	0.	0.
KR 83M	4.49E-06	1.00E-02	1.14E-05	1.02E-14	1.05E-29	0.	0.	0.	0.	0.	0.
KR 85M	6.96E-04	3.98E-02	9.06E-04	1.08E-08	6.63E-17	2.52E-33	9.55E-50	0.	0.	0.	0.
KR 85	7.20E-07	1.89E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.92E-05	1.90E-05	1.86E-05	1.84E-05
KR 87	1.11E+01	2.19E-05	4.34E-11	3.36E-28	0.	0.	0.	0.	0.	0.	0.
KR 88	5.66E+00	1.49E-02	3.91E-05	7.10E-13	8.94E-26	0.	0.	0.	0.	0.	0.
RB 88	1.44E+00	1.66E-02	4.38E-05	7.94E-13	9.96E-26	0.	0.	0.	0.	0.	0.
SR 89	5.92E-07	1.77E-02	1.75E-02	1.68E-02	1.58E-02	1.38E-02	1.20E-02	9.26E-03	4.73E-03	1.25E-03	3.29E-04
SR 90	1.15E-06	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.17E-04	1.17E-04	1.16E-04
Y 90	1.70E-12	2.70E-05	4.77E-05	8.57E-05	1.09E-04	1.17E-04	1.18E-04	1.18E-04	1.17E-04	1.17E-04	1.16E-04
SR 91	1.44E-01	5.16E-01	9.25E-02	5.31E-04	9.71E-08	3.29E-15	1.12E-22	1.27E-37	0.	0.	0.

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	9.71E-06	3.34E-01	5.97E-02	3.43E-04	6.30E-08	2.12E-15	7.18E-23	8.20E-38	0.	0.	0.	0.
Y 91	3.97E-09	1.59E-02	1.88E-02	1.88E-02	1.77E-02	1.57E-02	1.40E-02	1.11E-02	6.12E-03	1.89E-03	5.80E-04	0.
SR 92	9.41E-01	1.17E-02	2.53E-05	2.54E-13	1.19E-26	0.	0.	0.	0.	0.	0.	0.
Y 92M	4.34E-02	1.23E-01	1.36E-03	1.05E-09	6.12E-20	2.10E-40	7.17E-61	0.	0.	0.	0.	0.
Y 93	5.29E-02	3.58E-01	6.98E-02	5.25E-04	1.51E-07	1.25E-14	1.03E-21	7.03E-36	0.	0.	0.	0.
ZR 95	1.13E-04	1.41E-02	1.40E-02	1.35E-02	1.28E-02	1.15E-02	1.03E-02	8.37E-03	4.90E-03	1.69E-03	5.79E-04	0.
NB 95M	2.40E-12	4.78E-05	8.71E-05	1.66E-04	2.24E-04	2.37E-04	2.18E-04	1.77E-04	1.04E-04	3.58E-05	1.23E-05	0.
ZR 97	1.26E-11	2.73E-04	5.40E-04	1.29E-03	2.40E-03	4.14E-03	5.35E-03	6.64E-03	6.39E-03	3.07E-03	1.18E-03	0.
NB 97M	3.05E-01	5.19E-01	1.95E-01	1.03E-02	7.76E-05	4.37E-09	2.45E-13	7.76E-22	4.38E-43	0.	0.	0.
NB 97	1.57E-03	4.98E-01	1.87E-01	9.96E-03	7.45E-05	4.19E-09	2.36E-13	7.45E-22	4.21E-43	0.	0.	0.
NB 97	1.53E-01	5.21E-01	1.96E-01	1.04E-02	7.81E-05	4.70E-09	2.64E-13	8.39E-22	4.72E-43	0.	0.	0.
MC 99	1.04E-03	3.38E-01	2.64E-01	1.25E-01	3.62E-02	3.02E-03	2.52E-04	1.76E-06	7.15E-12	1.18E-22	1.94E-33	0.
TC 99M	9.66E-09	2.97E-01	2.50E-01	1.20E-01	3.46E-02	2.89E-03	2.41E-04	1.68E-06	6.82E-12	1.13E-22	1.85E-33	0.
RU103	3.56E-05	8.14E-02	7.98E-02	7.56E-02	6.95E-02	5.83E-02	4.89E-02	3.45E-02	1.44E-02	2.49E-03	4.34E-04	0.
RH103M	2.38E-09	8.14E-02	8.00E-02	7.59E-02	6.95E-02	5.83E-02	4.89E-02	3.45E-02	1.44E-02	2.49E-03	4.34E-04	0.
RU105	3.40E-01	3.25E-01	7.65E-03	1.01E-07	7.35E-16	3.92E-32	2.10E-48	0.	0.	0.	0.	0.
RH105M	2.24E-03	3.25E-01	7.68E-03	1.01E-07	7.38E-16	3.95E-32	2.11E-48	0.	0.	0.	0.	0.
RU105	3.68E-09	1.17E+00	7.68E-01	1.91E-01	1.89E-02	1.83E-04	1.78E-06	1.68E-10	1.46E-20	1.10E-40	8.22E-61	0.
RH106	3.23E-04	6.11E-03	6.09E-03	6.06E-03	6.01E-03	5.90E-03	5.77E-03	5.56E-03	5.05E-03	4.18E-03	3.47E-03	0.
RH106	3.49E-06	6.11E-03	6.09E-03	6.06E-03	6.01E-03	5.90E-03	5.77E-03	5.56E-03	5.05E-03	4.18E-03	3.47E-03	0.
PD109	6.63E-03	1.69E-01	4.92E-02	1.22E-03	2.57E-06	1.15E-11	5.10E-17	1.01E-27	0.	0.	0.	0.
AG109M	3.82E-05	1.69E-01	4.93E-02	1.22E-03	2.58E-06	1.15E-11	5.10E-17	1.01E-27	0.	0.	0.	0.
PD111M	7.93E-01	3.85E-02	1.87E-03	2.15E-07	5.80E-14	4.23E-27	3.11E-40	0.	0.	0.	0.	0.
PD111	2.82E-01	3.11E-02	1.50E-03	1.73E-07	4.68E-14	3.40E-27	2.50E-40	0.	0.	0.	0.	0.
AG111M	2.24E-03	4.06E-02	1.97E-03	2.27E-07	6.13E-14	4.50E-27	3.29E-40	0.	0.	0.	0.	0.
AG111	7.99E-10	2.21E-02	2.12E-02	1.61E-02	1.02E-02	4.03E-03	1.60E-03	2.52E-04	2.48E-06	2.40E-10	2.33E-14	0.
PD112	1.55E-01	7.03E-02	3.18E-02	2.95E-03	5.61E-05	2.04E-08	7.41E-12	9.72E-19	6.13E-36	0.	0.	0.
AG112	4.66E-06	8.16E-02	3.75E-02	3.48E-03	6.65E-05	2.41E-08	8.73E-12	1.15E-18	7.22E-36	0.	0.	0.
AG112	1.31E-03	1.39E-02	6.01E-04	4.88E-08	7.47E-15	1.75E-28	4.08E-42	0.	0.	0.	0.	0.
CD115M	3.33E-09	9.64E-05	9.48E-05	9.03E-05	8.35E-05	7.09E-05	6.05E-05	4.37E-05	1.95E-05	3.88E-06	7.77E-07	0.
CD115	1.29E-06	1.94E-02	1.42E-02	5.60E-03	1.18E-03	5.27E-05	2.35E-06	4.69E-09	8.28E-16	2.60E-29	8.12E-43	0.
IN115M	1.61E-11	2.05E-02	1.55E-02	6.12E-03	1.29E-03	5.76E-05	2.57E-06	5.11E-09	9.06E-16	2.83E-29	8.87E-43	0.
CD117	2.86E-02	6.23E-04	6.07E-07	5.66E-16	5.03E-31	0.	0.	0.	0.	0.	0.	0.
IN117M	1.37E-06	2.59E-03	3.00E-06	2.89E-15	2.57E-30	0.	0.	0.	0.	0.	0.	0.
IN117	5.53E-11	1.71E-03	2.02E-06	1.96E-15	1.74E-30	0.	0.	0.	0.	0.	0.	0.
SN121	5.87E-04	3.35E-02	1.81E-02	2.85E-03	1.31E-04	2.76E-07	5.80E-10	2.59E-15	1.08E-28	0.	0.	0.
SN123	3.07E-06	3.21E-04	3.19E-04	3.13E-04	3.05E-04	2.88E-04	2.73E-04	2.44E-04	1.85E-04	1.06E-04	6.12E-05	0.
SN125	8.26E-03	7.68E-03	7.14E-03	5.72E-03	3.95E-03	1.89E-03	9.04E-04	2.07E-04	5.18E-06	3.26E-09	2.04E-12	0.
SB125	4.96E-05	5.50E-05	6.02E-05	7.36E-05	9.02E-05	1.09E-04	1.18E-04	1.23E-04	1.20E-04	1.12E-04	1.05E-04	0.
SB126	1.35E-03	1.27E-03	1.21E-03	1.02E-03	7.73E-04	4.43E-04	2.56E-04	8.42E-05	5.26E-06	2.56E-08	5.13E-09	0.

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BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	1.31E+00	4.75E-04	1.72E-07	8.24E-18	5.17E-35	0.	0.	0.	0.	0.	0.	0.
SB127	1.53E-02	6.28E-02	5.25E-02	3.07E-02	1.26E-02	2.10E-03	3.51E-04	9.81E-06	1.28E-09	2.19E-17	3.72E-25	0.
TE127M	1.24E-10	9.58E-05	1.75E-04	3.40E-04	4.71E-04	5.19E-04	5.00E-04	4.43E-04	3.24E-04	1.71E-04	9.03E-05	0.
TE127	8.63E-03	4.50E-02	4.41E-02	2.69E-02	1.14E-02	2.33E-03	7.98E-04	4.48E-04	3.19E-04	1.69E-04	8.93E-05	0.
SB128	3.58E-01	6.10E-02	9.63E-03	3.76E-05	3.65E-09	3.42E-17	3.22E-25	2.84E-41	0.	0.	0.	0.
SB129	1.83E+00	9.37E-02	1.96E-03	1.78E-08	7.09E-17	1.12E-33	1.77E-50	0.	0.	0.	0.	0.
TE129M	3.46E-08	3.65E-03	3.65E-03	3.44E-03	3.11E-03	2.53E-03	2.06E-03	1.37E-03	4.94E-04	6.45E-05	8.39E-06	0.
TE129	1.32E+00	1.10E-01	4.57E-03	2.20E-03	1.99E-03	1.62E-03	1.32E-03	8.80E-04	3.17E-04	4.14E-05	5.38E-06	0.
I130	8.83E-03	2.31E-03	6.04E-04	1.08E-05	1.32E-08	1.96E-14	2.93E-20	6.52E-32	0.	0.	0.	0.
TE131M	3.26E-05	1.14E-01	6.54E-02	1.24E-02	7.74E-04	3.02E-06	1.18E-08	1.80E-13	1.64E-25	0.	0.	0.
TE131	3.00E+01	2.08E-02	1.19E-02	2.27E-03	1.41E-04	5.52E-07	2.16E-09	3.30E-14	3.00E-26	0.	0.	0.
I131	4.36E-03	2.35E-01	2.22E-01	1.79E-01	1.18E-01	4.96E-02	2.10E-02	3.75E-03	5.07E-05	9.23E-09	1.68E-12	0.
XE131M	1.18E-11	1.09E-04	2.07E-04	4.31E-04	6.17E-04	6.10E-04	4.53E-04	1.87E-04	1.25E-05	3.73E-08	1.05E-10	0.
TE132	2.97E-01	5.89E-01	4.76E-01	2.51E-01	8.63E-02	1.02E-02	1.21E-03	1.70E-05	3.98E-10	2.18E-19	1.19E-29	0.
I132	7.30E-01	6.07E-01	4.90E-01	2.58E-01	8.90E-02	1.05E-02	1.25E-03	1.76E-05	4.11E-10	2.23E-19	1.23E-28	0.
I133	3.06E-01	1.71E+00	7.69E-01	7.14E-01	1.36E-03	4.93E-07	1.79E-10	2.36E-17	1.48E-34	0.	0.	0.
XE133M	1.30E-08	1.61E-02	1.91E-02	1.12E-02	2.62E-03	1.23E-04	5.73E-06	1.24E-08	2.72E-15	1.30E-28	6.24E-42	0.
XE133	2.27E-07	3.09E-01	4.15E-01	3.71E-01	2.02E-01	5.47E-02	1.47E-02	1.06E-03	1.47E-06	2.86E-12	5.55E-18	0.
I135	5.12E+00	8.36E-01	6.98E-02	4.06E-05	1.65E-10	2.72E-21	4.47E-32	1.22E-53	0.	0.	0.	0.
XE135M	5.67E-04	2.60E-01	2.18E-02	1.27E-05	5.15E-11	8.48E-22	1.40E-32	3.80E-54	0.	0.	0.	0.
XE135	5.90E-01	2.25E+00	5.50E-01	3.15E-03	3.86E-07	5.42E-15	7.59E-23	1.50E-38	0.	0.	0.	0.
CS136	5.50E-03	5.21E-03	4.94E-03	4.21E-03	3.23E-03	1.90E-03	1.11E-03	3.83E-04	2.66E-05	1.28E-07	6.22E-10	0.
CS137	2.64E-05	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.84E-04	2.83E-04	2.81E-04	2.80E-04	0.
BA137M	5.56E-08	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.65E-04	2.64E-04	2.62E-04	2.61E-04	0.
BA139	3.71E+00	3.96E-04	2.34E-09	4.81E-25	0.	0.	0.	0.	0.	0.	0.	0.
BA140	2.57E-02	1.52E-01	1.44E-01	1.22E-01	9.33E-02	5.43E-02	3.15E-02	1.07E-02	7.14E-04	3.18E-06	1.41E-08	0.
LA140	6.10E-08	5.28E-02	8.50E-02	1.17E-01	1.04E-01	6.25E-02	3.63E-02	1.23E-02	8.20E-04	3.66E-06	1.63E-08	0.
LA141	3.37E-01	1.34E-01	1.88E-03	5.19E-09	2.84E-18	8.47E-37	2.53E-55	0.	0.	0.	0.	0.
CE141	4.17E-08	4.62E-02	4.58E-02	4.31E-02	3.86E-02	3.13E-02	2.52E-02	1.64E-02	5.63E-03	6.63E-04	7.81E-05	0.
LA142	1.53E+00	3.36E-04	6.50E-09	4.78E-23	0.	0.	0.	0.	0.	0.	0.	0.
CE143	8.95E-03	3.68E-01	2.23E-01	4.90E-02	3.94E-03	2.55E-05	1.65E-07	6.91E-12	7.80E-23	0.	0.	0.
PR143	2.62E-09	2.36E-02	3.66E-02	4.73E-02	4.06E-02	2.47E-02	1.49E-02	5.39E-03	4.31E-04	2.74E-06	1.74E-08	0.
CE144	3.37E-04	2.41E-03	2.40E-03	2.38E-03	2.35E-03	2.30E-03	2.24E-03	2.14E-03	1.89E-03	1.48E-03	1.16E-03	0.
PR144	9.24E-08	2.41E-03	2.40E-03	2.38E-03	2.35E-03	2.30E-03	2.24E-03	2.14E-03	1.89E-03	1.48E-03	1.16E-03	0.
PR145	1.51E-02	1.54E-01	9.55E-03	2.27E-06	2.06E-12	1.71E-24	1.42E-36	0.	0.	0.	0.	0.
ND147	2.03E-06	3.40E-02	3.20E-02	2.66E-02	1.94E-02	1.04E-02	5.57E-03	1.60E-03	7.01E-05	1.37E-07	2.65E-10	0.
PM147	5.62E-15	2.55E-05	4.93E-05	1.13E-04	1.95E-04	2.97E-04	3.51E-04	3.91E-04	3.95E-04	3.68E-04	3.42E-04	0.
ND149	3.61E+00	3.50E-04	3.39E-08	3.09E-20	2.64E-40	0.	0.	0.	0.	0.	0.	0.
PM149	5.03E-04	9.29E-02	6.89E-02	2.66E-02	5.54E-03	2.42E-04	1.05E-05	2.00E-08	3.15E-15	7.78E-29	1.94E-42	0.
PM150	4.53E-02	9.56E-05	2.01E-07	1.89E-15	7.90E-29	0.	0.	0.	0.	0.	0.	0.

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	1.17E-02	7.96E-02	4.39E-02	7.39E-03	3.79E-04	9.95E-07	2.62E-09	1.81E-14	2.27E-27	0.	0.	0.
SM153	4.40E-02	3.09E-02	2.17E-02	7.50E-03	1.27E-03	3.71E-05	1.08E-06	9.04E-10	1.87E-17	7.95E-33	3.38E-48	0.
SM156	6.55E-02	1.12E-02	1.90E-03	9.38E-06	1.35E-09	2.78E-17	5.73E-25	2.44E-40	0.	0.	0.	0.
EU155	2.29E-06	7.76E-05	7.75E-05	7.75E-05	7.73E-05	7.70E-05	7.67E-05	7.61E-05	7.46E-05	7.16E-05	6.89E-05	6.86E-05
EU156	1.91E-04	1.56E-03	1.73E-03	1.55E-03	1.23E-03	7.72E-04	4.87E-04	1.93E-04	1.91E-05	1.89E-07	1.86E-09	0.
EU157	1.03E-02	1.19E-02	4.01E-03	1.50E-04	6.32E-07	1.11E-11	1.97E-16	6.14E-26	0.	0.	0.	0.
GD159	2.38E-03	4.69E-03	1.87E-03	1.16E-04	1.15E-06	1.11E-10	1.08E-14	1.01E-22	8.62E-43	0.	0.	0.
TB161	3.40E-05	2.22E-04	2.00E-04	1.48E-04	8.98E-05	3.29E-05	1.20E-05	1.61E-06	1.07E-08	4.61E-13	2.00E-17	0.
TOTAL	1.91E+02	7.59E+01	3.78E+01	8.17E+00	2.99E+00	1.95E+00	1.63E+00	1.29E+00	8.30E-01	3.84E-01	1.91E-01	0.

BUGGY MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	4.32E-04	3.73E-06	3.47E-07	3.22E-08	2.59E-11	2.08E-14	1.55E-18	9.96E-25	0.	0.	0.
MN 54	4.96E-03	2.14E-03	1.41E-03	9.26E-04	2.65E-04	7.55E-05	1.42E-05	1.16E-06	2.73E-10	9.88E-16	3.57E-21
FE 59	8.71E-04	3.14E-06	1.89E-07	1.13E-08	2.46E-12	5.32E-16	6.93E-21	3.25E-28	0.	0.	0.
CO 57	7.96E-04	3.14E-04	1.96E-04	1.23E-04	3.04E-05	7.49E-06	1.16E-07	7.02E-08	6.13E-12	5.04E-18	0.
CO 58	4.00E-03	1.15E-04	1.95E-05	3.30E-06	1.61E-08	7.83E-11	6.46E-14	1.53E-18	5.86E-34	0.	0.
CO 60	2.44E-05	2.13E-05	1.99E-05	1.86E-05	1.53E-05	1.26E-05	9.64E-06	6.50E-06	1.74E-06	2.42E-07	3.34E-08
W181	5.46E-01	6.72E-02	2.38E-02	8.30E-03	3.60E-03	1.56E-05	2.38E-07	4.45E-10	3.66E-19	0.	0.
W185	1.08E+00	3.72E-02	6.89E-03	1.28E-03	8.12E-06	5.19E-08	6.11E-11	2.48E-15	0.	0.	0.
W188	3.43E-03	8.91E-05	1.44E-05	2.32E-06	9.79E-09	4.10E-11	2.78E-14	4.91E-19	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.84E-01	4.60E-10	4.48E-10	4.36E-10	4.08E-10	3.78E-10	3.44E-10	2.99E-10	1.86E-10	9.11E-11	4.48E-11
AM241	3.14E-05	3.14E-05	3.14E-05	3.14E-05	3.15E-05	3.17E-05	3.17E-05	3.19E-05	3.20E-05	3.17E-05	3.12E-05
CM242	1.39E-03	2.95E-04	1.35E-04	6.23E-05	6.07E-06	5.92E-07	2.65E-08	2.51E-10	7.21E-15	6.72E-15	6.27E-15
KR 85	7.20E-07	1.79E-05	1.73E-05	1.68E-05	1.53E-05	1.38E-05	1.21E-05	1.00E-05	5.29E-06	2.02E-06	7.72E-07
SR 89	5.92E-07	1.38E-04	1.21E-05	1.06E-06	7.17E-10	4.84E-13	2.86E-17	1.30E-23	9.43E-45	0.	0.
SR 90	1.15E-06	1.15E-04	1.14E-04	1.12E-04	1.08E-04	1.04E-04	9.91E-05	9.21E-05	7.20E-05	4.97E-05	3.44E-05
Y 90	1.70E-12	1.15E-04	1.14E-04	1.12E-04	1.08E-04	1.04E-04	9.91E-05	9.21E-05	7.20E-05	4.97E-05	3.44E-05
Y 91	3.97E-09	2.69E-04	3.12E-05	3.63E-06	5.69E-09	8.93E-12	1.63E-15	4.01E-21	8.10E-40	0.	0.
ZR 95	1.13E-04	2.90E-04	4.14E-05	5.89E-06	1.72E-08	5.00E-11	2.07E-14	1.75E-19	2.14E-36	0.	0.
NB 95M	2.40E-12	6.14E-06	8.76E-07	1.25E-07	3.64E-10	1.06E-12	4.39E-16	3.70E-21	4.54E-38	0.	0.
NB 95	1.26E-11	6.24E-04	8.96E-05	1.28E-05	3.70E-08	1.07E-10	4.49E-14	3.79E-19	4.64E-36	0.	0.
RU103	3.56E-05	1.38E-04	5.67E-06	2.33E-07	1.59E-11	1.09E-15	3.06E-21	1.44E-29	0.	0.	0.
RH103M	2.38E-09	1.39E-04	5.67E-06	2.33E-07	1.59E-11	1.09E-15	3.06E-21	1.44E-29	0.	0.	0.
RU106	3.23E-04	3.07E-03	2.17E-03	1.54E-03	5.48E-04	1.95E-04	4.90E-05	6.19E-06	6.25E-09	2.01E-13	6.46E-18
RH106	3.49E-06	3.07E-03	2.17E-03	1.54E-03	5.48E-04	1.95E-04	4.90E-05	6.19E-06	6.25E-09	2.01E-13	6.46E-18
SN123	3.07E-06	4.26E-05	1.55E-05	5.61E-06	2.69E-07	1.29E-08	2.25E-10	5.19E-13	8.32E-22	5.36E-35	3.44E-48
SB125	4.96E-05	9.99E-05	8.78E-05	7.72E-05	5.26E-05	3.58E-05	2.14E-05	9.90E-06	7.62E-07	1.62E-08	3.45E-10
TE125M	1.34E-12	4.08E-05	3.62E-05	3.19E-05	2.18E-05	1.48E-05	8.87E-06	4.10E-06	3.15E-07	6.71E-09	1.43E-10
TE127M	1.24E-10	5.92E-05	1.85E-05	5.80E-06	1.78E-07	5.48E-09	5.27E-11	4.96E-14	4.08E-24	3.05E-39	2.27E-54
TE127	8.63E-03	5.86E-05	1.83E-05	5.74E-06	1.76E-07	5.42E-09	5.21E-11	4.92E-14	4.03E-24	3.00E-39	2.25E-54
CS137	2.64E-05	2.78E-04	2.75E-04	2.72E-04	2.62E-04	2.53E-04	2.42E-04	2.26E-04	1.79E-04	1.27E-04	8.96E-05
BA137M	5.56E-08	2.61E-04	2.58E-04	2.54E-04	2.45E-04	2.37E-04	2.26E-04	2.12E-04	1.67E-04	1.19E-04	8.39E-05
CE141	4.17E-08	1.80E-05	3.61E-07	7.26E-09	5.91E-14	4.81E-19	7.89E-26	5.24E-36	0.	0.	0.
CE144	3.37E-04	9.89E-04	6.36E-04	4.06E-04	1.07E-04	2.80E-05	4.71E-06	3.25E-07	4.38E-11	6.87E-17	1.07E-22
PR144	9.24E-08	9.89E-04	6.36E-04	4.06E-04	1.07E-04	2.80E-05	4.71E-06	3.25E-07	4.38E-11	6.87E-17	1.07E-22
PM147	5.62E-15	3.27E-04	2.86E-04	2.51E-04	1.68E-04	1.13E-04	6.65E-05	3.02E-05	2.15E-06	4.06E-08	7.67E-10
EU155	2.29E-06	6.71E-05	6.23E-05	5.80E-05	4.67E-05	3.75E-05	2.80E-05	1.81E-05	4.22E-06	4.75E-07	5.35E-08
TOTAL	1.84E+00	1.19E-01	3.96E-02	1.59E-02	6.30E-03	1.50E-03	9.66E-04	7.47E-04	5.36E-04	3.79E-04	2.74E-04

APPENDIX J
DETAILED RESULTS FOR EVENT SCHOONER

SCHOONER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	4.89E+00	5.20E+02
1.00E+00	2.35E+00	2.45E+02
2.00E+00	1.69E+00	2.01E+02
3.00E+00	1.47E+00	1.87E+02
4.00E+00	1.35E+00	1.78E+02
6.00E+00	1.22E+00	1.65E+02
9.00E+00	1.10E+00	1.51E+02
1.20E+01	1.00E+00	1.39E+02
1.50E+01	9.10E-01	1.27E+02
1.80E+01	8.36E-01	1.18E+02
2.10E+01	7.61E-01	1.08E+02
1.00E+00 DAYS	6.98E-01	1.00E+02
2.00E+00	3.46E-01	5.50E+01
5.00E+00	4.62E-02	1.64E+01
1.00E+01	4.15E-03	1.05E+01
2.00E+01	2.12E-03	9.49E+00
3.00E+01	1.83E-03	8.72E+00
5.00E+01	1.52E-03	7.40E+00
1.00E+02	1.09E-03	4.95E+00
2.00E+02	6.01E-04	2.27E+00
3.00E+02	3.41E-04	1.07E+00
1.00E+00 YEARS	2.37E-04	6.64E-01
1.50E+00	9.11E-05	1.90E-01
2.00E+00	3.75E-05	5.88E-02
3.50E+00	1.52E-05	2.15E-02
5.00E+00	1.92E-06	3.41E-04
7.00E+00	9.76E-07	1.43E-04
1.00E+01	6.21E-07	1.04E-04
2.00E+01	2.84E-07	7.41E-05
3.50E+01	1.47E-07	5.48E-05
5.00E+01	9.73E-08	4.29E-05

SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BE 7	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.64E-02	1.64E-02	1.64E-02	1.63E-02	1.63E-02	1.63E-02
NA 24	1.77E-01	1.69E-01	1.62E-01	1.54E-01	1.47E-01	1.34E-01	1.17E-01	1.02E-01	8.88E-02	7.74E-02	6.71E-02
MN 54	3.87E-03	3.87E-03	3.87E-03	3.87E-03	3.87E-03	3.87E-03	3.87E-03	3.83E-03	3.83E-03	3.83E-03	3.83E-03
FE 55	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03	9.13E-03
CO 57	4.74E-04	4.74E-04	4.74E-04	4.74E-04	4.74E-04	4.73E-04	4.72E-04	4.71E-04	4.70E-04	4.69E-04	4.69E-04
CO 58	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04	8.67E-04
CO 60	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02
CU 64	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.62E-05
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	3.16E+00	3.16E+00	3.16E+00	3.16E+00	3.16E+00	3.16E+00	3.15E+00	3.15E+00	3.15E+00	3.15E+00	3.15E+00
W185	7.81E+00	7.81E+00	7.81E+00	7.81E+00	7.79E+00	7.79E+00	7.79E+00	7.77E+00	7.77E+00	7.75E+00	7.75E+00
W187	1.75E+02	1.70E+02	1.65E+02	1.60E+02	1.56E+02	1.47E+02	1.35E+02	1.24E+02	1.13E+02	1.04E+02	9.51E+01
W188	9.98E-02	9.98E-02	9.98E-02	9.95E-02	9.95E-02	9.95E-02	9.93E-02	9.93E-02	9.91E-02	9.91E-02	9.88E-02
AU198	2.87E-02	2.85E-02	2.82E-02	2.77E-02	2.75E-02	2.70E-02	2.60E-02	2.52E-02	2.43E-02	2.36E-02	2.28E-02
AU199	1.80E-03	1.78E-03	1.77E-03	1.75E-03	1.74E-03	1.70E-03	1.66E-03	1.61E-03	1.57E-03	1.53E-03	1.49E-03
PB203	1.79E-01	1.76E-01	1.74E-01	1.71E-01	1.69E-01	1.65E-01	1.59E-01	1.52E-01	1.46E-01	1.40E-01	1.35E-01
U237	2.01E-02	2.00E-02	1.99E-02	1.98E-02	1.97E-02	1.95E-02	1.93E-02	1.91E-02	1.88E-02	1.85E-02	1.83E-02
U239	3.66E+00	6.24E-01	1.07E-01	1.81E-02	3.08E-03	8.97E-05	4.45E-07	2.20E-09	1.09E-11	5.37E-14	2.66E-16
* U240	2.64E-03	2.52E-03	2.40E-03	2.28E-03	2.17E-03	1.97E-03	1.70E-03	1.46E-03	1.26E-03	1.09E-03	9.39E-04
* NP239	1.25E-05	2.10E-02	2.43E-02	2.47E-02	2.45E-02	2.39E-02	2.29E-02	2.21E-02	2.14E-02	2.06E-02	1.98E-02
* NP240M	4.18E-06	2.53E-03	2.42E-03	2.30E-03	2.19E-03	1.98E-03	1.71E-03	1.48E-03	1.27E-03	1.10E-03	9.49E-04
* NP240	1.06E-13	5.44E-14	2.83E-14	1.46E-14	7.54E-15	2.02E-15	2.78E-16	3.84E-17	5.29E-18	7.29E-19	1.01E-19
AM241	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05
CM242	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05
GE75	4.78E-07	2.31E-03	1.39E-03	8.40E-04	5.05E-04	1.83E-04	4.00E-05	8.76E-06	1.91E-06	4.17E-07	9.13E-08
GE77	2.74E-04	7.04E-04	6.62E-04	6.23E-04	5.87E-04	5.19E-04	4.32E-04	3.59E-04	2.99E-04	2.48E-04	2.07E-04
AS77	2.83E-06	4.47E-04	4.52E-04	4.55E-04	4.58E-04	4.61E-04	4.61E-04	4.58E-04	4.51E-04	4.42E-04	4.31E-04
SE77M	1.11E-10	1.34E-06	1.36E-06	1.37E-06	1.37E-06	1.38E-06	1.39E-06	1.38E-06	1.36E-06	1.33E-06	1.29E-06
GE78	4.09E-02	2.55E-02	1.59E-02	9.93E-03	6.20E-03	2.41E-03	5.86E-04	1.42E-04	3.46E-05	8.42E-06	2.04E-06
AS78	7.35E-04	1.22E-02	1.50E-02	1.41E-02	1.18E-02	6.95E-03	2.58E-03	8.57E-04	2.65E-04	7.93E-05	2.30E-05
AS79	6.93E-01	6.83E-03	6.73E-05	6.63E-07	6.52E-09	6.32E-13	6.03E-19	5.75E-25	5.49E-31	5.24E-37	5.00E-43
SE79M	1.03E-03	1.21E-02	1.19E-04	1.17E-06	1.15E-08	1.11E-12	1.06E-18	1.02E-24	9.68E-31	9.25E-37	8.82E-43
BR80	3.68E-03	3.47E-04	3.26E-05	3.07E-06	2.89E-07	2.56E-09	2.14E-12	1.79E-15	1.49E-18	1.24E-21	1.04E-24
SE81M	2.72E-03	1.27E-01	6.13E-02	2.95E-02	1.42E-02	3.31E-03	3.71E-04	4.15E-05	4.66E-06	5.22E-07	5.85E-08
BR81	3.33E-02	1.50E-01	8.69E-02	4.34E-02	2.11E-02	4.91E-03	5.50E-04	6.16E-05	6.91E-06	7.75E-07	8.67E-08
BR82	1.36E-05	1.33E-05	1.31E-05	1.28E-05	1.26E-05	1.21E-05	1.14E-05	1.07E-05	1.01E-05	9.54E-06	9.01E-06
SE83	1.14E+00	2.16E-01	4.09E-02	7.75E-03	1.46E-03	5.27E-05	3.58E-07	2.44E-09	1.66E-11	1.13E-13	7.16E-16
BR83	9.46E-03	1.41E-01	1.31E-01	1.03E-01	7.80E-02	4.41E-02	1.86E-02	7.84E-03	3.32E-03	1.40E-03	5.90E-04
KR83M	4.89E-07	3.20E-02	6.53E-02	8.11E-02	8.36E-02	6.98E-02	4.12E-02	2.12E-02	1.02E-02	4.71E-03	2.12E-03

SCHÖÖNER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
BR 84	2.14E-03	3.69E-01	9.96E-02	2.70E-02	7.29E-03	5.33E-04	1.05E-05	2.08E-07	4.12E-09	8.14E-11	1.61E-12	
KR 85M	7.58E-05	1.62E-01	1.38E-01	1.18E-01	1.01E-01	7.37E-02	4.59E-02	2.87E-02	1.79E-02	1.11E-02	6.93E-03	
KR 87	1.21E+00	6.98E-01	4.04E-01	2.33E-01	1.35E-01	4.52E-02	8.77E-03	1.70E-03	3.29E-04	6.37E-05	1.23E-05	
KR 88	6.16E-01	4.81E-01	3.75E-01	2.93E-01	2.29E-01	1.39E-01	6.64E-02	3.16E-02	1.50E-02	7.16E-03	3.40E-03	
RB 88	1.57E-01	4.87E-01	4.15E-01	3.27E-01	2.56E-01	1.56E-01	7.43E-02	3.54E-02	1.69E-02	8.02E-03	3.81E-03	
RB 89	8.41E-01	7.91E-01	5.31E-02	3.57E-03	2.39E-04	1.08E-06	3.28E-10	9.89E-14	3.02E-17	9.13E-21	2.77E-24	
SR 89	6.45E-08	2.26E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.40E-03	2.40E-03	2.39E-03	2.39E-03	
SR 90	1.25E-07	1.29E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	
SR 91	1.57E-02	2.92E-01	2.73E-01	2.54E-01	2.36E-01	2.04E-01	1.63E-01	1.33E-01	1.08E-01	8.64E-02	6.97E-02	
Y 91M	1.06E-06	1.01E-01	1.37E-01	1.47E-01	1.45E-01	1.30E-01	1.07E-01	8.58E-02	6.92E-02	5.58E-02	4.50E-02	
Y 91	4.33E-10	8.96E-05	2.06E-04	3.30E-04	4.50E-04	6.75E-04	9.58E-04	1.19E-03	1.37E-03	1.52E-03	1.64E-03	
SR 92	1.02E-01	4.57E-01	3.54E-01	2.74E-01	2.12E-01	1.27E-01	5.91E-02	2.74E-02	1.27E-02	5.91E-03	2.75E-03	
Y 92	4.72E-03	9.62E-02	1.51E-01	1.80E-01	1.91E-01	1.81E-01	1.39E-01	9.48E-02	6.10E-02	3.75E-02	2.26E-02	
SR 93	4.73E+00	8.14E-02	4.49E-04	2.48E-06	1.37E-08	4.19E-13	7.06E-20	1.19E-26	2.01E-33	3.39E-40	5.71E-47	
Y 93	5.77E-03	1.86E-01	1.75E-01	1.64E-01	1.53E-01	1.34E-01	1.09E-01	8.89E-02	7.22E-02	5.93E-02	4.82E-02	
Y 94	7.09E-01	9.69E-01	1.25E-01	1.61E-02	2.07E-03	3.45E-05	7.39E-08	1.58E-10	3.39E-13	7.39E-16	4.10E-17	
Y 95	3.27E+00	3.08E-01	6.79E-03	1.50E-04	3.30E-06	1.60E-09	1.71E-14	1.83E-19	1.96E-24	2.09E-29	2.24E-34	
ZR 95	1.23E-05	1.61E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.63E-03	1.63E-03	1.63E-03	1.63E-03	
NB 95	1.37E-12	9.92E-07	2.31E-06	3.63E-06	4.96E-06	7.60E-06	1.15E-05	1.55E-05	1.94E-05	2.33E-05	2.72E-05	
ZR 97	3.32E-02	1.44E-01	1.38E-01	1.33E-01	1.27E-01	1.18E-01	1.04E-01	9.19E-02	8.16E-02	7.19E-02	6.39E-02	
NB 97M	1.71E-04	1.39E-01	1.33E-01	1.28E-01	1.23E-01	1.13E-01	9.99E-02	8.85E-02	7.82E-02	6.91E-02	6.11E-02	
NB 97	1.66E-02	7.25E-02	1.02E-01	1.16E-01	1.22E-01	1.22E-01	1.11E-01	9.88E-02	8.74E-02	7.71E-02	6.85E-02	
NB 98	1.99E-01	8.81E-02	3.90E-02	1.72E-02	7.63E-03	1.49E-03	1.29E-04	1.12E-05	9.72E-07	8.42E-08	7.24E-09	
MO 99	1.13E-04	4.67E-02	4.62E-02	4.58E-02	4.53E-02	4.43E-02	4.30E-02	4.17E-02	4.04E-02	3.92E-02	3.80E-02	
TC 99M	1.05E-09	4.45E-03	8.36E-03	1.18E-02	1.48E-02	1.98E-02	2.52E-02	2.85E-02	3.06E-02	3.18E-02	3.23E-02	
MO101	4.85E+00	2.19E+00	1.27E-01	7.37E-03	4.28E-04	1.43E-06	2.79E-10	5.43E-14	1.05E-17	2.05E-21	3.99E-25	
TC101	2.05E-01	6.14E+00	6.72E-01	5.51E-02	4.01E-03	1.81E-05	4.53E-09	1.01E-12	2.15E-16	4.42E-20	8.95E-24	
MO102	4.62E+01	1.05E+00	2.40E-02	5.48E-04	1.25E-05	6.49E-09	7.72E-14	9.15E-19	1.08E-23	1.29E-28	1.53E-33	
TC102M	2.97E-02	8.91E-01	2.04E-02	4.66E-04	1.06E-05	5.50E-09	6.53E-14	7.75E-19	9.18E-24	1.09E-28	1.29E-33	
TC102	1.39E+02	5.30E-01	1.21E-02	2.75E-04	6.29E-06	3.28E-09	3.89E-14	4.62E-19	5.48E-24	6.49E-29	7.70E-34	
RU103	3.88E-06	9.01E-03	8.98E-03	8.98E-03	8.98E-03	8.96E-03	8.93E-03	8.93E-03	8.91E-03	8.88E-03	8.86E-03	
RH103M	2.59E-10	4.65E-03	6.89E-03	7.99E-03	8.51E-03	8.86E-03	8.93E-03	8.93E-03	8.91E-03	8.88E-03	8.86E-03	
TC104	3.78E+00	2.71E+00	2.71E-01	2.69E-02	2.66E-03	2.62E-05	2.56E-08	2.50E-11	2.44E-14	2.38E-17	2.33E-20	
RU105	3.71E-02	1.28E+00	1.10E+00	9.39E-01	8.03E-01	5.87E-01	3.68E-01	2.30E-01	1.44E-01	9.01E-02	5.65E-02	
RH105M	2.44E-04	1.28E+00	1.10E+00	9.41E-01	8.03E-01	5.90E-01	3.68E-01	2.31E-01	1.44E-01	9.03E-02	5.65E-02	
RH105	4.00E-10	2.61E-02	4.84E-02	6.68E-02	8.22E-02	1.05E-01	1.26E-01	1.35E-01	1.38E-01	1.37E-01	1.33E-01	
RU106	3.52E-05	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	
RH106	3.80E-07	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	
RH107	1.17E-02	1.59E+00	2.42E-01	3.64E-02	5.49E-03	1.25E-04	4.31E-07	1.49E-09	5.12E-12	1.75E-14	1.74E-18	
PD107M	2.44E-05	3.25E-01	4.90E-02	7.41E-03	1.12E-03	2.55E-05	8.78E-08	3.03E-10	1.04E-12	3.59E-15	1.23E-17	

SCHÖNER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
PD109	7.22E-04	5.99E-02	5.69E-02	5.40E-02	5.12E-02	4.62E-02	3.98E-02	3.41E-02	2.92E-02	2.50E-02	2.15E-02
AG109M	4.16E-06	5.99E-02	5.69E-02	5.40E-02	5.12E-02	4.62E-02	3.98E-02	3.41E-02	2.92E-02	2.50E-02	2.15E-02
PD111M	8.64E-02	7.61E-02	6.71E-02	5.93E-02	5.22E-02	4.06E-02	2.78E-02	1.91E-02	1.31E-02	8.93E-03	6.13E-03
PD111	3.08E-02	5.55E-02	5.32E-02	4.74E-02	4.19E-02	3.26E-02	2.23E-02	1.53E-02	1.05E-02	7.19E-03	4.93E-03
AG111M	2.44E-04	7.48E-02	7.03E-02	6.29E-02	5.55E-02	4.29E-02	2.93E-02	2.01E-02	1.38E-02	9.45E-03	6.45E-03
AG111	8.70E-11	2.58E-04	5.42E-04	7.96E-04	1.02E-03	1.39E-03	1.79E-03	2.05E-03	2.22E-03	2.33E-03	2.39E-03
PD112	1.68E-02	1.63E-02	1.58E-02	1.53E-02	1.48E-02	1.38E-02	1.25E-02	1.14E-02	1.03E-02	9.30E-03	8.42E-03
AG112	5.07E-07	3.23E-02	5.70E-03	7.65E-03	9.09E-03	1.09E-02	1.20E-02	1.29E-02	1.34E-02	1.36E-02	1.37E-02
AG113	1.43E-04	3.06E-02	5.92E-03	7.36E-03	8.27E-03	1.59E-02	2.08E-02	2.27E-02	2.49E-02	2.71E-02	2.94E-02
AG115M	4.44E-02	4.76E-02	5.92E-02	7.40E-02	9.27E-02	1.45E-01	2.83E-01	5.53E-01	1.07E-01	1.06E-01	9.97E-01
CD115M	3.63E-10	9.65E-06	1.09E-05	1.10E-05	1.10E-05	1.10E-05	1.10E-05	1.10E-05	1.09E-05	1.09E-05	1.09E-05
CD115M	1.40E-07	2.64E-03	2.84E-03	2.84E-03	2.80E-03	2.73E-03	2.63E-03	2.53E-03	2.43E-03	2.34E-03	2.25E-03
IN115M	1.75E-12	2.92E-04	6.48E-04	9.62E-04	1.23E-03	1.64E-03	2.02E-03	2.22E-03	2.32E-03	2.34E-03	2.32E-03
CD117	3.11E-03	5.18E-02	3.90E-02	9.92E-02	2.19E-02	1.23E-02	5.55E-03	1.7E-03	9.12E-04	3.83E-04	1.61E-04
IN117M	1.50E-07	1.80E-02	2.61E-02	2.83E-02	2.74E-02	2.16E-02	1.15E-02	6.31E-03	3.03E-03	1.40E-03	6.35E-04
IN117	6.02E-12	3.29E-03	7.95E-03	1.11E-02	1.23E-02	1.13E-02	7.23E-03	3.87E-03	1.92E-03	9.05E-04	4.16E-04
CD118	2.04E-01	8.73E-02	3.75E-02	1.60E-02	6.84E-03	1.25E-03	9.82E-05	7.68E-06	6.04E-07	4.73E-08	3.71E-09
IN118	1.35E-02	8.73E-02	3.75E-02	1.60E-02	6.84E-03	1.25E-03	9.82E-05	7.71E-06	6.04E-07	4.73E-08	3.71E-09
CD119	5.10E-01	7.96E-03	1.24E-04	1.94E-06	3.03E-08	7.42E-12	8.33E-17	1.08E-22	4.11E-28	1.57E-33	6.01E-39
IN119M	7.69E-04	8.60E-02	9.36E-03	9.44E-04	9.40E-05	9.25E-07	9.02E-10	8.83E-13	8.60E-16	8.41E-19	8.22E-22
IN119	3.79E-02	4.53E-03	5.25E-04	5.33E-05	5.33E-06	5.21E-08	5.10E-11	4.99E-14	4.87E-17	4.76E-20	4.64E-23
SN121	6.39E-05	6.58E-03	6.39E-03	6.24E-03	6.09E-03	5.79E-03	5.34E-03	4.97E-03	4.59E-03	4.25E-03	3.95E-03
SN123M	3.56E-02	6.66E-02	2.36E-02	8.35E-03	2.95E-03	3.68E-04	1.63E-05	7.22E-07	3.19E-08	1.41E-09	6.23E-11
SN123	3.35E-07	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05	3.50E-05
SN125	9.00E-04	8.97E-04	8.95E-04	8.93E-04	8.88E-04	8.83E-04	8.79E-04	8.67E-04	8.60E-04	8.50E-04	8.43E-04
SB125	5.40E-06	5.43E-06	5.45E-06	5.47E-06	5.50E-06	5.54E-06	5.64E-06	5.71E-06	5.78E-06	5.85E-06	5.92E-06
SB126	1.47E-04	1.46E-04	1.46E-04	1.46E-04	1.45E-04	1.45E-04	1.44E-04	1.43E-04	1.42E-04	1.41E-04	1.40E-04
SN127	1.43E-01	1.02E-01	7.37E-02	5.31E-02	3.82E-02	1.97E-02	7.32E-03	2.72E-03	1.01E-03	3.75E-04	1.39E-04
SB127	1.67E-03	5.74E-03	6.36E-03	6.77E-03	7.07E-03	7.37E-03	7.48E-03	7.41E-03	7.30E-03	7.14E-03	7.00E-03
TE127	9.40E-04	1.17E-03	1.42E-03	1.69E-03	1.95E-03	2.45E-03	3.13E-03	3.66E-03	4.07E-03	4.39E-03	4.60E-03
SN128	9.24E-01	4.56E-01	2.26E-01	1.11E-01	5.51E-02	1.35E-02	1.62E-03	1.96E-04	2.36E-05	2.87E-06	3.46E-07
SB128M	4.70E-04	5.19E-01	2.70E-01	1.33E-01	6.57E-02	1.61E-02	1.94E-03	2.34E-04	2.82E-05	3.41E-06	4.12E-07
SB128	3.90E-02	3.75E-02	3.53E-02	3.31E-02	3.09E-02	2.65E-02	2.11E-02	1.68E-02	1.33E-02	1.06E-02	8.28E-03
SN128M	5.32E-01	2.65E-01	1.33E-01	6.64E-02	3.32E-02	8.30E-03	1.04E-03	1.30E-04	1.62E-05	2.03E-06	2.54E-07
SN129	3.54E+00	3.48E-02	3.43E-04	3.39E-06	3.32E-08	3.23E-12	3.07E-18	2.94E-24	2.80E-30	2.67E-36	2.56E-42
SB129	1.99E-01	3.34E-01	3.14E-01	2.80E-01	2.47E-01	1.83E-01	1.14E-01	7.07E-02	4.35E-02	2.69E-02	1.66E-02
TE129M	3.77E-09	4.17E-05	8.59E-05	1.26E-04	1.62E-04	2.20E-04	2.78E-04	3.14E-04	3.37E-04	3.50E-04	3.59E-04
TE129	1.44E-01	1.97E-01	2.31E-01	2.40E-01	2.31E-01	1.91E-01	1.27E-01	8.03E-02	5.00E-02	3.10E-02	1.92E-02
SB130M	2.01E-02	3.80E-02	3.98E-05	2.62E-07	6.90E-10	4.76E-15	8.67E-23	1.58E-30	2.86E-38	5.20E-46	9.45E-54
SB130	3.45E+00	1.04E+00	2.97E-01	8.41E-02	2.38E-02	1.92E-03	4.37E-05	9.96E-07	2.27E-08	5.18E-10	1.18E-11

SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO	TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	5.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
I130	9.61E-04	9.09E-04	8.61E-04	8.13E-04	7.69E-04	6.88E-04	5.81E-04	4.92E-04	4.15E-04	3.52E-04	2.97E-04	2.49E-04	2.04E-04
SB131	7.38E+00	1.93E+00	3.15E-01	5.17E-02	8.48E-03	2.28E-04	1.01E-06	4.44E-09	1.95E-11	8.62E-14	4.30E-16	2.15E-18	1.08E-20
TE131M	3.55E-06	1.86E-02	2.12E-02	2.12E-02	2.08E-02	1.99E-02	1.85E-02	1.73E-02	1.61E-02	1.51E-02	1.40E-02	1.30E-02	1.20E-02
TE131	3.26E+00	3.55E+00	1.16E+00	3.01E-01	7.31E-02	6.86E-03	3.41E-03	3.15E-03	2.94E-03	2.75E-03	2.56E-03	2.38E-03	2.20E-03
I131	4.74E-04	1.64E-02	2.42E-02	2.65E-02	2.70E-02	2.72E-02	2.72E-02	2.70E-02	2.70E-02	2.68E-02	2.68E-02	2.68E-02	2.68E-02
TE132	3.24E-02	7.87E-02	7.79E-02	7.73E-02	7.65E-02	7.52E-02	7.32E-02	7.12E-02	6.95E-02	6.75E-02	6.57E-02	6.39E-02	6.21E-02
I132	7.95E-02	7.93E-02	7.91E-02	7.87E-02	7.81E-02	7.71E-02	7.54E-02	7.34E-02	7.14E-02	6.97E-02	6.79E-02	6.61E-02	6.43E-02
TE133M	3.82E-03	1.33E+00	5.77E-01	2.51E-01	1.09E-01	2.08E-02	1.71E-03	1.41E-04	1.16E-05	9.57E-07	7.90E-08	6.54E-09	5.38E-10
TE133	2.15E+01	1.22E+00	1.35E-01	4.48E-02	1.89E-02	3.59E-03	2.97E-04	2.44E-05	2.02E-06	1.66E-07	1.37E-08	1.10E-09	8.84E-11
I133	3.33E-02	3.59E-01	3.88E-01	3.88E-01	3.80E-01	3.60E-01	3.28E-01	2.97E-01	2.68E-01	2.44E-01	2.20E-01	1.97E-01	1.74E-01
XE133M	1.42E-09	8.06E-05	1.95E-04	3.11E-04	4.24E-04	6.37E-04	9.23E-04	1.17E-03	1.38E-03	1.56E-03	1.71E-03	1.86E-03	2.00E-03
XE133	2.48E-08	1.41E-03	3.42E-03	5.46E-03	7.50E-03	1.14E-02	1.67E-02	2.13E-02	2.55E-02	2.91E-02	3.24E-02	3.57E-02	3.90E-02
TE134	6.95E+00	3.22E+00	1.20E+00	4.46E-01	1.65E-01	2.29E-02	1.17E-03	6.00E-05	3.07E-06	1.58E-07	8.09E-09	4.21E-10	2.15E-11
I134	3.18E+00	4.26E+00	2.98E+00	1.75E+00	9.38E-01	2.38E-01	2.62E-02	2.67E-03	2.62E-04	2.51E-05	2.38E-06	2.24E-07	2.10E-08
I135	5.58E-01	9.82E-01	8.86E-01	7.98E-01	7.21E-01	5.85E-01	4.29E-01	3.14E-01	2.31E-01	1.70E-01	1.24E-01	8.44E-02	5.74E-02
XE135M	6.17E-05	2.84E-01	2.76E-01	2.50E-01	2.24E-01	1.83E-01	1.34E-01	9.82E-02	7.21E-02	5.29E-02	3.88E-02	2.82E-02	2.04E-02
XE135	5.43E-02	1.27E-01	1.86E-01	2.34E-01	2.72E-01	3.27E-01	3.62E-01	3.64E-01	3.46E-01	3.16E-01	2.82E-01	2.48E-01	2.04E-01
CS136	5.99E-04	5.97E-04	5.96E-04	5.95E-04	5.94E-04	5.91E-04	5.87E-04	5.83E-04	5.79E-04	5.75E-04	5.72E-04	5.68E-04	5.64E-04
CS137	2.87E-06	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05
BA137M	6.06E-09	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05
XE138	1.77E+01	1.52E+00	1.32E-01	1.15E-02	9.93E-04	7.44E-06	4.84E-09	3.14E-12	2.04E-15	1.33E-18	8.62E-22	5.57E-26	3.61E-30
CS138	2.63E+00	4.43E+00	1.54E+00	4.51E-01	1.26E-01	9.62E-03	2.00E-04	4.15E-06	8.62E-08	1.80E-09	3.72E-11	7.18E-13	1.38E-15
CS139	2.19E+01	6.98E-01	8.75E-03	1.10E-04	1.38E-06	2.17E-10	4.31E-16	8.52E-22	1.69E-27	3.34E-33	6.61E-39	1.31E-45	2.61E-51
BA139	4.04E-01	4.50E+00	2.78E+00	1.69E+00	1.02E+00	3.74E-01	8.31E-02	1.84E-02	4.10E-03	9.09E-04	2.02E-04	4.44E-05	9.66E-06
BA140	2.80E-03	1.74E-02	1.74E-02	1.73E-02	1.73E-02	1.72E-02	1.72E-02	1.70E-02	1.69E-02	1.68E-02	1.66E-02	1.65E-02	1.64E-02
LA140	6.64E-09	2.98E-04	5.91E-04	8.77E-04	1.16E-03	1.70E-03	2.49E-03	3.22E-03	3.91E-03	4.57E-03	5.18E-03	5.74E-03	6.29E-03
BA141	3.97E+00	1.20E+00	1.19E-01	1.18E-02	1.17E-03	1.16E-05	1.13E-08	1.11E-11	1.08E-14	1.06E-17	1.03E-20	1.01E-23	9.84E-27
LA141	3.67E-02	7.77E-01	7.25E-01	6.14E-01	5.15E-01	3.61E-01	2.12E-01	1.24E-01	7.29E-02	4.27E-02	2.51E-02	1.48E-02	8.44E-03
CE141	4.54E-09	5.05E-04	1.18E-03	1.78E-03	2.28E-03	3.05E-03	3.79E-03	4.22E-03	4.46E-03	4.60E-03	4.68E-03	4.74E-03	4.79E-03
BA142	7.27E+00	2.89E-01	6.59E-03	1.50E-04	3.42E-06	1.78E-09	2.11E-14	2.51E-19	2.97E-24	3.53E-29	4.19E-34	4.91E-39	5.74E-44
LA142	1.67E-01	1.16E+00	7.64E-01	4.86E-01	3.09E-01	1.25E-01	3.23E-02	8.31E-03	2.14E-03	5.52E-04	1.42E-04	3.57E-05	9.04E-06
LA143	2.44E+00	4.76E-01	2.44E-02	1.25E-03	6.44E-05	1.69E-07	2.27E-11	3.07E-15	4.13E-19	5.58E-23	7.52E-27	1.00E-31	1.31E-35
CE143	9.75E-04	6.21E-02	6.44E-02	6.27E-02	6.16E-02	5.93E-02	5.55E-02	5.22E-02	4.90E-02	4.59E-02	4.32E-02	4.06E-02	3.81E-02
PR143	2.85E-10	9.52E-05	2.30E-04	3.63E-04	4.94E-04	7.47E-04	1.10E-03	1.44E-03	1.74E-03	2.04E-03	2.30E-03	2.56E-03	2.82E-03
CE144	3.67E-05	2.63E-04	2.63E-04	2.63E-04	2.63E-04	2.63E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04
PR144	1.01E-08	2.39E-04	2.61E-04	2.62E-04	2.63E-04	2.63E-04	2.63E-04	2.63E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04	2.62E-04
PR145	1.64E-03	2.42E-01	2.15E-01	1.91E-01	1.71E-01	1.35E-01	9.53E-02	6.73E-02	4.76E-02	3.36E-02	2.38E-02	1.64E-02	1.10E-02
CE146	5.40E+00	2.77E-01	1.42E-02	7.26E-04	3.73E-05	9.84E-08	1.32E-11	1.79E-15	2.40E-19	3.24E-23	4.37E-27	5.81E-31	7.64E-35
PR146	1.12E-01	9.72E-01	2.20E-01	4.14E-02	7.44E-03	2.34E-04	1.29E-06	7.13E-09	3.95E-11	2.18E-13	1.19E-15	6.44E-18	3.44E-21
PR147	6.18E-01	1.79E-01	5.58E-03	1.74E-04	5.46E-06	5.33E-09	1.63E-13	4.97E-18	1.51E-22	4.63E-27	1.41E-31	4.21E-36	1.24E-40

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SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 21 HOURS

	ZERO TIME	1.00E+00	2.00E+00	3.00E+00	4.00E+00	6.00E+00	9.00E+00	1.20E+01	1.50E+01	1.80E+01	2.10E+01
ND147	2.21E-07	4.15E-03	4.27E-03	4.26E-03	4.25E-03	4.23E-03	4.20E-03	4.16E-03	4.13E-03	4.10E-03	4.07E-03
ND149	3.93E-01	2.68E-01	1.82E-01	1.24E-01	8.40E-02	3.90E-02	1.23E-02	3.87E-03	1.22E-03	3.84E-04	1.21E-04
PM149	5.48E-05	4.28E-03	7.11E-03	9.00E-03	1.02E-02	1.15E-02	1.19E-02	1.17E-02	1.14E-02	1.09E-02	1.06E-02
PM150	4.93E-03	3.81E-03	2.95E-03	2.28E-03	1.76E-03	1.06E-03	4.89E-04	2.26E-04	1.05E-04	4.85E-05	2.25E-05
ND151	2.01E+00	6.27E-02	1.96E-03	6.13E-05	1.92E-06	1.87E-09	5.71E-14	1.75E-18	5.32E-23	1.62E-27	4.96E-32
PM151	1.27E-03	1.49E-02	1.50E-02	1.46E-02	1.42E-02	1.35E-02	1.25E-02	1.16E-02	1.08E-02	1.00E-02	9.32E-03
PM152	3.37E+00	3.30E-03	3.22E-06	3.14E-09	3.07E-12	2.93E-18	2.73E-27	2.55E-36	2.37E-45	2.21E-54	2.06E-63
SM153	4.79E-03	4.72E-03	4.65E-03	4.58E-03	4.52E-03	4.39E-03	4.20E-03	4.01E-03	3.84E-03	3.68E-03	3.52E-03
SM155	3.39E-01	5.58E-02	9.14E-03	1.49E-03	2.45E-04	6.60E-06	2.91E-08	1.28E-10	5.65E-13	2.52E-15	6.18E-18
EU155	2.50E-07	7.11E-06	8.24E-06	8.42E-06	8.45E-06	8.45E-06	8.45E-06	8.45E-06	8.45E-06	8.45E-06	8.45E-06
SM156	7.13E-03	6.62E-03	6.15E-03	5.71E-03	5.30E-03	4.58E-03	3.67E-03	2.94E-03	2.36E-03	1.89E-03	1.51E-03
EU156	2.08E-05	3.40E-05	4.62E-05	5.75E-05	6.80E-05	8.67E-05	1.10E-04	1.28E-04	1.43E-04	1.54E-04	1.62E-04
EU157	1.12E-03	3.72E-03	3.55E-03	3.40E-03	3.24E-03	2.96E-03	2.58E-03	2.26E-03	1.97E-03	1.71E-03	1.49E-03
EU158	5.04E-02	2.04E-02	8.26E-03	3.35E-03	1.35E-03	2.22E-04	1.48E-05	9.80E-07	6.51E-08	4.32E-09	2.87E-10
EU159	6.06E-02	6.02E-03	5.96E-04	5.92E-05	5.87E-06	5.79E-08	5.66E-11	5.52E-14	5.39E-17	5.27E-20	5.15E-23
GD159	2.59E-04	1.14E-03	1.18E-03	1.15E-03	1.10E-03	1.02E-03	9.10E-04	8.12E-04	7.22E-04	6.43E-04	5.74E-04
TB161	3.70E-06	2.66E-05	2.64E-05	2.64E-05	2.63E-05	2.60E-05	2.57E-05	2.54E-05	2.51E-05	2.48E-05	2.44E-05
TOTAL	5.20E+02	2.45E+02	2.01E+02	1.87E+02	1.78E+02	1.65E+02	1.51E+02	1.39E+02	1.27E+02	1.18E+02	1.08E+02

SCHÖGNER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
BE 7	1.65E-02	1.63E-02	1.61E-02	1.55E-02	1.45E-02	1.27E-02	1.12E-02	8.59E-03	4.49E-03	1.22E-03	3.32E-04
NA 24	1.77E-01	5.85E-02	1.93E-02	6.92E-04	2.71E-06	4.14E-11	6.31E-16	1.47E-25	0.	0.	0.
MN 54	3.87E-03	3.83E-03	3.83E-03	3.77E-03	3.73E-03	3.66E-03	3.60E-03	3.42E-03	3.06E-03	2.43E-03	1.94E-03
FE 55	9.13E-03	9.13E-03	9.13E-03	9.08E-03	9.06E-03	9.02E-03	8.92E-03	8.81E-03	8.47E-03	7.90E-03	7.33E-03
FE 59	4.74E-04	4.67E-04	4.60E-04	4.39E-04	4.07E-04	3.49E-04	2.99E-04	2.20E-04	1.02E-04	2.18E-05	4.67E-06
CO 57	8.67E-04	8.67E-04	8.60E-04	8.60E-04	8.47E-04	8.22E-04	8.02E-04	7.64E-04	6.74E-04	5.21E-04	4.03E-04
CO 58	1.04E-02	1.03E-02	1.02E-02	9.88E-03	9.44E-03	8.56E-03	7.76E-03	6.39E-03	3.94E-03	1.49E-03	5.62E-04
CO 60	3.62E-05	3.62E-05	3.62E-05	3.62E-05	3.60E-05	3.60E-05	3.57E-05	3.55E-05	3.47E-05	3.36E-05	3.23E-05
CU 64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	3.16E+00	3.15E+00	3.12E+00	3.08E+00	2.98E+00	2.83E+00	2.66E+00	2.38E+00	1.78E+00	1.00E+00	5.66E-01
W185	7.81E+00	7.73E+00	7.60E+00	7.45E+00	7.13E+00	6.48E+00	5.92E+00	4.91E+00	3.10E+00	1.23E+00	4.90E-01
W187	1.75E+02	8.74E+01	4.33E+01	5.41E+00	1.66E-01	1.58E-04	1.50E-07	1.35E-15	0.	0.	0.
W188	9.98E-02	9.86E-02	9.76E-02	9.48E-02	9.04E-02	8.15E-02	7.38E-02	6.05E-02	3.67E-02	1.35E-02	4.98E-03
AU198	2.87E-02	2.21E-02	1.71E-02	9.1E-03	2.19E-03	1.67E-04	1.28E-05	7.49E-08	1.95E-13	0.	0.
AU199	1.80E-03	1.44E-03	1.16E-03	5.97E-04	1.98E-04	2.18E-05	2.39E-06	2.89E-08	4.65E-13	1.21E-22	0.
PB203	1.30E-01	9.41E-02	3.61E-02	7.31E-03	3.01E-04	1.23E-05	2.07E-08	2.42E-15	0.	0.	0.
U237	2.01E-02	1.81E-02	1.63E-02	1.20E-02	7.18E-03	2.57E-03	9.22E-04	1.18E-04	6.96E-07	7.48E-11	5.05E-11
* U240	2.64E-03	8.14E-04	2.50E-04	7.24E-06	1.99E-08	1.49E-13	1.12E-18	6.34E-29	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.25E-05	1.91E-02	1.42E-02	5.87E-03	1.34E-03	7.03E-05	3.68E-06	1.01E-08	3.97E-15	9.48E-25	9.48E-25
* NP240M	4.18E-06	8.19E-04	2.52E-04	7.29E-06	2.00E-08	1.51E-13	1.13E-18	6.39E-29	0.	0.	0.
AM241	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.65E-05
CM242	4.13E-05	4.11E-05	4.09E-05	4.04E-05	3.96E-05	3.79E-05	3.64E-05	3.34E-05	2.72E-05	1.77E-05	1.16E-05
GE 77	2.74E-04	1.72E-04	3.94E-05	4.76E-07	3.03E-10	1.23E-16	4.94E-23	8.07E-36	0.	0.	0.
AS 77	2.83E-06	4.17E-04	3.02E-04	8.73E-05	1.02E-05	1.39E-07	1.88E-09	3.47E-13	1.61E-22	3.45E-41	7.42E-60
SE 77M	1.11E-10	1.26E-06	9.05E-07	2.62E-07	3.06E-08	4.16E-10	5.65E-12	1.04E-15	4.83E-25	1.03E-43	2.23E-62
AS 78	7.35E-04	6.54E-06	1.92E-10	1.62E-24	0.	0.	0.	0.	0.	0.	0.
BR 82	1.36E-05	8.49E-06	5.30E-06	1.29E-06	1.22E-07	1.10E-09	9.85E-12	7.95E-16	4.64E-26	1.59E-46	5.42E-67
BR 83	9.46E-03	2.49E-04	2.50E-07	2.54E-16	2.60E-31	0.	0.	0.	0.	0.	0.
KR 83M	4.89E-07	1.09E-03	1.24E-06	1.11E-15	1.14E-30	0.	0.	0.	0.	0.	0.
KR 85M	7.58E-05	4.33E-03	9.86E-05	1.17E-09	7.22E-18	2.75E-34	1.04E-50	0.	0.	0.	0.
KR 85	7.84E-08	2.06E-06	2.10E-06	2.10E-06	2.10E-06	2.10E-06	2.10E-06	2.09E-06	2.07E-06	2.03E-06	2.00E-06
KR 87	1.21E+00	2.39E-06	4.72E-12	3.66E-29	0.	0.	0.	0.	0.	0.	0.
KR 88	6.16E-01	1.62E-03	4.25E-06	7.73E-14	9.73E-27	0.	0.	0.	0.	0.	0.
RB 88	1.57E-01	1.81E-03	4.76E-06	8.65E-14	1.08E-26	0.	0.	0.	0.	0.	0.
SR 89	6.45E-08	1.93E-03	1.90E-03	1.83E-03	1.72E-03	1.50E-03	1.31E-03	1.01E-03	5.15E-04	1.36E-04	3.58E-05
SR 90	1.25E-07	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.27E-05	1.27E-05	1.26E-05
Y 90	1.85E-13	2.94E-06	5.19E-06	9.33E-06	1.19E-05	1.27E-05	1.28E-05	1.28E-05	1.27E-05	1.27E-05	1.26E-05
SR 91	1.57E-02	5.62E-02	1.01E-02	5.78E-05	1.06E-08	3.59E-16	1.21E-23	1.38E-38	0.	0.	0.

SCHÖONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
Y 91M	1.06E-06	3.63E-02	6.50E-03	3.73E-05	6.85E-09	2.31E-16	7.82E-24	8.93E-39	0.	0.	0.	0.
Y 91	4.33E-10	1.73E-03	2.04E-03	2.04E-03	1.93E-03	1.71E-03	1.52E-03	1.21E-03	6.67E-04	2.05E-04	6.31E-05	0.
SR 92	1.02E-01	1.28E-03	2.75E-06	2.77E-14	1.30E-27	0.	0.	0.	0.	0.	0.	0.
Y 92	4.72E-03	1.34E-02	1.49E-04	1.14E-10	6.67E-21	2.28E-41	7.81E-62	0.	0.	0.	0.	0.
Y 93	5.77E-03	3.90E-02	7.60E-03	5.71E-05	1.64E-08	1.36E-15	1.12E-22	7.65E-37	0.	0.	0.	0.
ZR 95	1.23E-05	1.54E-03	1.52E-03	1.47E-03	1.40E-03	1.25E-03	1.13E-03	9.11E-04	5.34E-04	1.84E-04	6.31E-05	0.
NB 95M	2.61E-13	5.20E-06	9.49E-06	1.81E-05	2.44E-05	2.58E-05	2.38E-05	1.93E-05	1.13E-05	3.90E-06	1.34E-06	0.
NB 95	1.37E-12	2.97E-05	5.88E-05	1.41E-04	2.61E-04	4.51E-04	5.82E-04	7.22E-04	6.96E-04	3.34E-04	1.28E-04	0.
ZR 97	3.32E-02	5.65E-02	2.12E-02	1.12E-03	8.45E-06	4.76E-10	2.67E-14	8.45E-23	4.77E-44	0.	0.	0.
NB 97M	1.71E-04	5.42E-02	2.04E-02	1.08E-03	8.11E-06	4.57E-10	2.57E-14	8.11E-23	4.58E-44	0.	0.	0.
NB 97	1.66E-02	5.67E-02	2.13E-02	1.13E-03	8.51E-06	5.12E-10	2.88E-14	9.13E-23	5.14E-44	0.	0.	0.
MO 99	1.13E-04	3.68E-02	2.88E-02	1.36E-02	3.94E-03	3.29E-04	2.75E-05	1.92E-07	7.78E-13	1.28E-23	2.11E-34	0.
TC 99M	1.05E-09	3.24E-02	2.72E-02	1.30E-02	3.76E-03	3.14E-04	2.62E-05	1.83E-07	7.42E-13	1.23E-23	2.02E-34	0.
RU103	3.88E-06	8.86E-03	6.68E-03	8.24E-03	7.56E-03	6.34E-03	5.32E-03	3.76E-03	1.57E-03	2.71E-04	4.73E-05	0.
RH103M	2.59E-10	8.86E-03	8.71E-03	8.26E-03	7.56E-03	6.34E-03	5.32E-03	3.76E-03	1.57E-03	2.71E-04	4.73E-05	0.
RU105	3.71E-02	3.54E-02	8.33E-04	1.10E-08	8.01E-17	4.27E-33	2.29E-49	0.	0.	0.	0.	0.
RH105M	2.44E-04	3.54E-02	8.36E-04	1.10E-08	8.03E-17	4.30E-33	2.30E-49	0.	0.	0.	0.	0.
RH105	4.00E-10	1.28E-01	8.36E-02	2.08E-02	2.05E-03	2.00E-05	1.94E-07	1.83E-11	1.59E-21	1.19E-41	8.95E-62	0.
RU106	3.52E-05	6.66E-04	6.63E-04	6.60E-04	6.54E-04	6.43E-04	6.28E-04	6.05E-04	5.50E-04	4.55E-04	3.77E-04	0.
RH106	3.80E-07	6.66E-04	6.63E-04	6.60E-04	6.54E-04	6.43E-04	6.28E-04	6.05E-04	5.50E-04	4.55E-04	3.77E-04	0.
PD109	7.22E-04	1.84E-02	5.35E-03	1.33E-04	2.80E-07	1.25E-12	5.56E-18	1.10E-28	0.	0.	0.	0.
AG109M	4.16E-06	1.84E-02	5.37E-03	1.33E-04	2.81E-07	1.25E-12	5.56E-18	1.10E-28	0.	0.	0.	0.
PD111M	8.64E-02	4.19E-03	2.04E-04	2.34E-08	6.32E-15	4.61E-28	3.39E-41	0.	0.	0.	0.	0.
PD111	3.08E-02	3.39E-03	1.64E-04	1.88E-08	5.09E-15	3.71E-28	2.72E-41	0.	0.	0.	0.	0.
AG111M	2.44E-04	4.42E-03	2.15E-04	2.47E-08	6.67E-15	4.90E-28	3.58E-41	0.	0.	0.	0.	0.
AG111	8.70E-11	2.40E-03	2.31E-03	1.76E-03	1.11E-03	4.38E-04	1.74E-04	2.74E-05	2.70E-07	2.61E-11	2.53E-15	0.
PD112	1.68E-02	7.65E-03	3.46E-03	3.22E-04	6.11E-06	2.22E-09	8.06E-13	1.06E-19	6.68E-37	0.	0.	0.
AG112	5.07E-07	8.89E-03	4.08E-03	3.79E-04	7.24E-06	2.62E-09	9.50E-13	1.25E-19	7.86E-37	0.	0.	0.
AG113	1.43E-04	1.51E-03	6.54E-05	5.31E-09	8.13E-16	1.90E-29	4.45E-43	0.	0.	0.	0.	0.
CD115M	3.63E-10	1.05E-05	1.03E-05	9.83E-06	9.09E-06	7.72E-06	6.59E-06	4.76E-06	2.13E-06	4.23E-07	8.46E-08	0.
CD115	1.40E-07	2.11E-03	1.55E-03	6.10E-04	1.29E-04	5.74E-06	2.56E-07	5.11E-10	9.02E-17	2.83E-30	8.84E-44	0.
IN115M	1.75E-12	2.23E-03	1.69E-03	6.66E-04	1.40E-04	6.27E-06	2.79E-07	5.57E-10	9.87E-17	3.09E-30	9.65E-44	0.
CD117	3.11E-03	6.79E-05	6.60E-08	6.17E-17	5.47E-32	0.	0.	0.	0.	0.	0.	0.
IN117M	1.50E-07	2.82E-04	3.26E-07	3.15E-16	2.80E-31	0.	0.	0.	0.	0.	0.	0.
IN117	6.02E-12	1.86E-04	2.20E-07	2.13E-16	1.89E-31	0.	0.	0.	0.	0.	0.	0.
SN121	6.39E-05	3.64E-03	1.97E-03	3.10E-04	1.42E-05	3.00E-08	6.32E-11	2.82E-16	1.18E-29	0.	0.	0.
SN123	3.35E-07	3.50E-05	3.47E-05	3.41E-05	3.32E-05	3.13E-05	2.97E-05	2.66E-05	2.01E-05	1.16E-05	6.66E-06	0.
SN125	9.00E-04	8.36E-04	7.78E-04	6.23E-04	4.30E-04	2.06E-04	9.84E-05	2.25E-05	5.64E-07	3.55E-10	2.22E-13	0.
SB125	5.40E-06	5.99E-06	6.55E-06	8.01E-06	9.82E-06	1.19E-05	1.28E-05	1.33E-05	1.31E-05	1.22E-05	1.14E-05	0.
SB126	1.47E-04	1.39E-04	1.31E-04	1.11E-04	8.42E-05	4.83E-05	2.78E-05	9.16E-06	5.73E-07	2.78E-09	5.59E-10	0.

J-9

SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO	TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
SN127	1.43E-01	5.17E-05	1.88E-08	8.97E-19	5.63E-36	0.	0.	0.	0.	0.	0.	0.
SB127	1.67E-03	6.84E-03	5.72E-03	3.34E-03	1.37E-03	2.29E-04	3.82E-05	1.07E-06	1.39E-10	2.38E-18	4.05E-26	
TE127M	1.35E-11	1.04E-05	1.91E-05	3.71E-05	5.12E-05	5.65E-05	5.44E-05	4.83E-05	3.52E-05	1.86E-05	9.84E-06	
TE127	9.40E-04	4.90E-03	4.80E-03	2.93E-03	1.24E-03	2.54E-04	8.69E-05	4.87E-05	3.48E-05	1.84E-05	9.72E-06	
SB128	3.90E-02	6.64E-03	1.05E-03	4.09E-06	3.97E-10	3.72E-18	3.50E-26	3.09E-42	0.	0.	0.	
SB129	1.99E-01	1.02E-02	2.13E-04	1.94E-09	7.72E-18	1.22E-34	1.92E-51	0.	0.	0.	0.	
TE129M	3.77E-09	3.97E-04	3.97E-04	3.75E-04	3.39E-04	2.76E-04	2.24E-04	1.49E-04	5.38E-05	7.02E-06	9.13E-07	
TE129	1.44E-01	1.20E-02	4.98E-04	2.40E-04	2.16E-04	1.77E-04	1.44E-04	9.58E-05	3.45E-05	4.51E-06	5.86E-07	
I130	9.61E-04	2.51E-04	6.58E-05	1.18E-06	1.44E-09	2.14E-15	3.19E-21	7.10E-33	0.	0.	0.	
TE131M	3.55E-06	1.24E-02	7.12E-03	1.35E-03	8.43E-05	3.29E-07	1.29E-09	2.35E-10	3.59E-15	3.26E-27	0.	
TE131	3.26E+00	2.26E-03	1.30E-03	2.47E-04	1.54E-05	6.01E-08	2.35E-10	3.59E-15	3.26E-27	0.	0.	
I131	4.74E-04	2.56E-02	2.42E-02	1.94E-02	1.28E-02	5.40E-03	2.29E-03	4.09E-04	5.52E-06	1.01E-09	1.83E-13	
XE131M	1.29E-12	1.19E-05	2.25E-05	4.70E-05	6.72E-05	6.65E-05	4.93E-05	2.04E-05	1.36E-06	4.06E-09	1.15E-11	
TE132	3.24E-02	6.42E-02	5.18E-02	2.73E-02	9.40E-03	1.11E-03	1.32E-04	1.85E-06	4.34E-11	2.37E-20	1.30E-29	
I132	7.95E-02	6.61E-02	5.34E-02	2.81E-02	9.70E-03	1.15E-03	1.36E-04	1.91E-06	4.47E-11	2.43E-20	1.33E-29	
I133	3.33E-02	1.86E-01	8.37E-02	7.77E-03	1.48E-04	5.37E-08	1.95E-11	2.57E-18	1.61E-35	0.	0.	
XE133M	1.42E-09	1.75E-03	2.08E-03	1.22E-03	2.86E-04	1.34E-05	6.24E-07	1.35E-09	2.97E-16	1.42E-29	6.79E-43	
XE133	2.48E-08	3.37E-02	4.51E-02	4.04E-02	2.20E-02	5.95E-03	1.60E-03	1.15E-04	1.61E-07	3.11E-13	6.04E-19	
I135	5.58E-01	9.10E-02	7.60E-03	4.42E-06	1.79E-11	2.96E-22	4.87E-33	1.32E-54	0.	0.	0.	
XE135M	6.17E-05	2.84E-02	2.37E-03	1.38E-06	5.61E-12	9.23E-23	1.52E-33	4.13E-55	0.	0.	0.	
XE135	6.43E-02	2.45E-01	5.99E-02	3.43E-04	4.20E-08	5.90E-16	8.27E-24	1.63E-39	0.	0.	0.	
CS136	5.99E-04	5.68E-04	5.38E-04	4.59E-04	3.52E-04	2.06E-04	1.21E-04	4.17E-05	2.90E-06	1.40E-08	6.77E-11	
CS137	2.87E-06	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.08E-05	3.06E-05	3.05E-05	
BA137M	6.06E-09	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.89E-05	2.87E-05	2.86E-05	2.84E-05	
BA139	4.04E-01	4.31E-05	2.55E-10	5.24E-26	0.	0.	0.	0.	0.	0.	0.	
BA140	2.80E-03	1.65E-02	1.57E-02	1.33E-02	1.02E-02	5.91E-03	3.43E-03	1.16E-03	7.77E-05	3.46E-07	1.53E-09	
LA140	6.64E-09	5.75E-03	9.25E-03	1.28E-02	1.14E-02	6.80E-03	3.95E-03	1.34E-03	8.93E-05	3.98E-07	1.77E-09	
LA141	3.67E-02	1.46E-02	2.04E-04	5.65E-10	3.09E-19	9.23E-38	2.75E-56	0.	0.	0.	0.	
CE141	4.54E-09	5.03E-03	4.99E-03	4.69E-03	4.21E-03	3.40E-03	2.74E-03	1.79E-03	6.14E-04	7.22E-05	8.51E-06	
LA142	1.67E-01	3.66E-05	7.08E-10	5.21E-24	0.	0.	0.	0.	0.	0.	0.	
CE143	9.75E-04	4.01E-02	2.42E-02	5.34E-03	4.29E-04	2.78E-06	1.80E-08	7.52E-13	8.49E-24	0.	0.	
FR143	2.85E-10	2.57E-03	3.99E-03	5.15E-03	4.42E-03	2.69E-03	1.62E-03	5.87E-04	4.70E-05	2.98E-07	1.89E-09	
CE144	3.67E-05	2.62E-04	2.61E-04	2.59E-04	2.56E-04	2.50E-04	2.44E-04	2.33E-04	2.06E-04	1.61E-04	1.26E-04	
FR144	1.01E-08	2.62E-04	2.61E-04	2.59E-04	2.56E-04	2.50E-04	2.44E-04	2.33E-04	2.06E-04	1.61E-04	1.26E-04	
PR145	1.64E-03	1.68E-02	1.04E-03	2.47E-07	2.25E-13	1.86E-25	1.54E-37	0.	0.	0.	0.	
ND147	2.21E-07	3.71E-03	3.49E-03	2.89E-03	2.11E-03	1.14E-03	6.06E-04	1.74E-04	7.64E-06	1.49E-08	2.89E-11	
PM147	6.12E-16	2.77E-06	5.37E-06	1.23E-05	2.12E-05	3.24E-05	3.83E-05	4.26E-05	4.30E-05	4.01E-05	3.73E-05	
ND149	3.93E-01	3.81E-05	3.69E-09	3.36E-21	2.87E-41	0.	0.	0.	0.	0.	0.	
PM149	5.48E-05	1.01E-02	7.41E-03	2.89E-03	6.04E-04	2.63E-05	1.15E-06	2.18E-09	3.44E-16	8.48E-30	2.11E-43	
PM150	4.93E-03	1.04E-05	2.19E-08	2.06E-16	8.61E-30	0.	0.	0.	0.	0.	0.	

SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400

DEBRIS DECAY FROM 1 TO 300 DAYS

	ZERO TIME	1.00E+00	2.00E+00	5.00E+00	1.00E+01	2.00E+01	3.00E+01	5.00E+01	1.00E+02	2.00E+02	3.00E+02
PM151	1.27E-03	8.67E-03	4.78E-03	8.05E-04	4.13E-05	1.08E-07	2.86E-10	1.97E-15	2.47E-28	0.	0.
SM153	4.79E-03	3.37E-03	2.36E-03	8.16E-04	1.39E-04	4.04E-06	1.17E-07	9.84E-11	2.03E-18	8.65E-34	3.68E-49
SM156	7.13E-03	1.22E-03	2.07E-04	1.02E-06	1.47E-10	3.02E-18	6.24E-26	2.66E-41	0.	0.	0.
EU155	2.50E-07	8.45E-06	8.44E-06	8.44E-06	8.42E-06	8.39E-06	8.35E-06	8.28E-06	8.13E-06	7.80E-06	7.50E-06
EU156	2.08E-05	1.70E-04	1.88E-04	1.69E-04	1.34E-04	8.41E-05	5.30E-05	2.10E-05	2.08E-06	2.05E-08	2.02E-10
EU157	1.12E-03	1.30E-03	4.37E-04	1.64E-05	6.88E-08	1.21E-12	2.15E-17	6.68E-27	0.	0.	0.
GD159	2.59E-04	5.11E-04	2.03E-04	1.27E-05	1.25E-07	1.21E-11	1.17E-15	1.10E-23	9.39E-44	0.	0.
TB161	3.70E-06	2.42E-05	2.18E-05	1.61E-05	9.78E-06	3.58E-06	1.31E-06	1.75E-07	1.16E-09	5.02E-14	2.18E-18
TOTAL	1.95E+02	1.00E+02	5.50E+01	1.64E+01	1.05E+01	9.49E+00	8.72E+00	7.40E+00	4.95E+00	2.27E+00	1.07E+00

SCHOONER MICROCURIES/SQ METER
 MR/HR AT H+12 HOURS = 1.000
 FRACTION OF REFRACTORIES PRESENT = 0.400
 RELAXATION LENGTH = 0.16 GM/SQCM

DEBRIS DECAY FROM 1 TO 50 YEARS

	ZERO TIME	1.00E+00	1.50E+00	2.00E+00	3.50E+00	5.00E+00	7.00E+00	1.00E+01	2.00E+01	3.50E+01	5.00E+01
BE 7	1.65E-02	1.42E-04	1.32E-05	1.23E-06	9.89E-10	7.91E-13	5.92E-17	3.79E-23	0.	0.	0.
MN 54	3.87E-03	1.67E-03	1.10E-03	7.22E-04	2.06E-04	5.89E-05	1.11E-05	9.07E-07	2.13E-10	7.70E-16	2.79E-21
FE 59	4.74E-04	1.71E-06	1.03E-07	6.18E-09	1.34E-12	2.90E-16	3.77E-21	1.77E-28	0.	0.	0.
CO 57	8.67E-04	3.42E-04	2.14E-04	1.34E-04	3.31E-05	8.15E-06	1.26E-07	7.64E-08	6.68E-12	5.48E-18	0.
CO 58	1.04E-02	2.99E-04	5.06E-05	8.58E-06	4.18E-08	2.03E-10	1.68E-13	3.98E-18	1.52E-33	0.	0.
CO 60	3.62E-05	3.17E-05	2.95E-05	2.76E-05	2.27E-05	1.86E-05	1.43E-05	9.65E-06	2.59E-06	3.60E-07	4.96E-08
W181	3.16E+00	3.89E-01	1.38E-01	4.81E-02	2.09E-02	9.04E-05	1.38E-06	2.58E-09	2.12E-18	0.	0.
W185	7.81E+00	2.68E-01	4.97E-02	9.21E-03	5.86E-05	3.74E-07	4.40E-10	1.79E-14	0.	0.	0.
W188	9.98E-02	2.59E-03	4.20E-04	6.75E-05	2.85E-07	1.19E-09	8.06E-13	1.43E-17	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.01E-02	5.00E-11	4.87E-11	4.74E-11	4.44E-11	4.12E-11	3.75E-11	3.25E-11	2.02E-11	9.92E-12	4.37E-12
AM241	1.65E-05	1.65E-05	1.65E-05	1.65E-05	1.66E-05	1.66E-05	1.66E-05	1.67E-05	1.68E-05	1.66E-05	1.64E-05
CM242	4.13E-05	8.75E-06	4.02E-06	1.85E-06	1.80E-07	1.76E-08	7.87E-10	7.45E-12	2.14E-16	1.99E-16	1.86E-16
KR 85	7.84E-08	1.95E-06	1.89E-06	1.83E-06	1.67E-06	1.50E-06	1.32E-06	1.09E-06	5.76E-07	2.20E-07	8.41E-08
SR 89	6.45E-08	1.51E-05	1.32E-06	1.16E-07	7.80E-11	5.27E-14	3.11E-18	1.41E-24	1.03E-45	0.	0.
SR 90	1.25E-07	1.25E-05	1.24E-05	1.22E-05	1.18E-05	1.13E-05	1.08E-05	1.00E-05	7.84E-06	5.41E-06	3.74E-06
Y 90	1.85E-13	1.25E-05	1.24E-05	1.22E-05	1.18E-05	1.13E-05	1.08E-05	1.00E-05	7.84E-06	5.41E-06	3.74E-06
Y 91	4.33E-10	2.92E-05	3.40E-06	3.95E-07	6.19E-10	9.72E-13	1.78E-16	4.37E-22	8.82E-41	0.	0.
ZR 95	1.23E-05	3.16E-05	4.51E-06	6.42E-07	1.87E-09	5.45E-12	2.25E-15	1.90E-20	2.33E-37	0.	0.
NB 95M	2.61E-13	6.69E-07	9.54E-08	1.36E-08	3.96E-11	1.15E-13	4.78E-17	4.03E-22	4.94E-39	0.	0.
NB 95	1.37E-12	6.79E-05	9.76E-06	1.39E-06	4.03E-09	1.17E-11	4.88E-15	4.12E-20	5.05E-37	0.	0.
RU103	3.88E-06	1.51E-05	6.17E-07	2.54E-08	1.73E-12	1.19E-16	3.33E-22	1.57E-30	0.	0.	0.
RH103M	2.59E-10	1.51E-05	6.17E-07	2.54E-08	1.73E-12	1.19E-16	3.33E-22	1.57E-30	0.	0.	0.
RU106	3.52E-05	3.34E-04	2.37E-04	1.68E-04	5.96E-05	2.12E-05	5.33E-06	6.74E-07	6.80E-10	2.19E-14	7.03E-19
RH106	3.80E-07	3.34E-04	2.37E-04	1.68E-04	5.96E-05	2.12E-05	5.33E-06	6.74E-07	6.80E-10	2.19E-14	7.03E-19
SN123	3.35E-07	4.64E-06	1.68E-06	6.11E-07	2.93E-08	1.41E-09	2.45E-11	5.65E-14	9.06E-23	5.83E-36	3.75E-49
SB125	5.40E-06	1.09E-05	9.56E-06	8.41E-06	5.73E-06	3.90E-06	2.33E-06	1.08E-06	8.29E-08	1.76E-09	3.76E-11
TE125M	1.45E-13	4.44E-06	3.95E-06	3.48E-06	2.37E-06	1.61E-06	9.66E-07	4.46E-07	3.43E-08	7.31E-10	1.56E-11
TE127M	1.35E-11	6.45E-06	2.02E-06	6.31E-07	1.94E-08	5.97E-10	5.74E-12	5.40E-15	4.44E-25	3.32E-40	2.47E-55
TE127	9.40E-04	6.38E-06	1.99E-06	6.25E-07	1.92E-08	5.90E-10	5.67E-12	5.35E-15	4.39E-25	3.27E-40	2.45E-55
CS137	2.87E-06	3.03E-05	2.99E-05	2.96E-05	2.86E-05	2.75E-05	2.63E-05	2.46E-05	1.94E-05	1.38E-05	9.76E-06
BA137M	6.06E-09	2.84E-05	2.80E-05	2.77E-05	2.67E-05	2.58E-05	2.46E-05	2.31E-05	1.82E-05	1.29E-05	9.14E-06
CE141	4.54E-09	1.96E-06	3.93E-08	7.90E-10	6.44E-15	5.24E-20	8.59E-27	5.70E-37	0.	0.	0.
CE144	3.67E-05	1.08E-04	6.93E-05	4.42E-05	1.16E-05	3.05E-06	5.13E-07	3.54E-08	4.77E-12	7.48E-18	1.17E-23
PR144	1.01E-08	1.08E-04	6.93E-05	4.42E-05	1.16E-05	3.05E-06	5.13E-07	3.54E-08	4.77E-12	7.48E-18	1.17E-23
PM147	6.12E-16	3.56E-05	3.11E-05	2.73E-05	1.83E-05	1.23E-05	7.25E-06	3.29E-06	2.34E-07	4.42E-09	8.36E-11
EU155	2.50E-07	7.31E-06	6.79E-06	6.32E-06	5.08E-06	4.08E-06	3.05E-06	1.97E-06	4.60E-07	5.17E-08	5.82E-09
TOTAL	1.11E+01	6.64E-01	1.90E-01	5.88E-02	2.15E-02	3.41E-04	1.43E-04	1.04E-04	7.41E-05	5.48E-05	4.29E-05