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UCRL-53505

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H. G. Hicks

February 1984



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Work performed under the auspices of the U.S. Department of Energy by Lawrence Livermore National Laboratory under Contract W-7405-Eng-48.

UCRL-53505
Distribution Category UC-2

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Results of Calculations of External Gamma Radiation Exposure Rates from Local Fallout and the Related Radionuclide Compositions of Selected U.S. Pacific Events

Abstract

This report presents data on calculated gamma radiation exposure rates and local surface deposition of related radionuclides resulting from selected U.S. Pacific events.

Introduction

In the past, we have calculated the normalized external gamma radiation exposure rates that resulted from local fallout from the Nevada Test Site (NTS).[1] These calculations have been used in the reconstruction of radiation doses downwind of NTS. More recently, we were asked to make similar calculations to assist in the reconstruction of doses to personnel participating in nuclear tests in the Pacific. This report contains the results of these calculations that we made and that were used by the Nuclear Test Personnel Review of the Defense Nuclear Agency and its contractors.

The selected U.S. Pacific events[2] are listed in Table 1.

Table 1. Date, placement, and yield of selected U.S. Pacific events.

Event	Date	Placement	Yield (MT)
Mike	Oct. 31, 1952	Surface	10.4
Bravo	Feb. 28, 1954	Surface	15.0
Romeo	Mar. 26, 1954	Barge	11.0
Yankee	May 4, 1954	Barge	13.5
Zuni	May 27, 1956	Surface	3.5
Tewa	July 20, 1956	Barge	5.0

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. 3. 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 $\mu Ci/m^2$ for each radionuclide; and the total $\mu Ci/m^2$.

Surface roughness effects are simulated by using Beck's values[4] of $(mR/h)/(\mu Ci/m^2)$ for a relaxation length of 0.16 g/cm^2. According to Beck, the concentration of fallout varies exponentially with soil depth, Z, according to the relation $C = C_o e^{-\alpha Z}$. He defines relaxation length as $1/\alpha$.

Fractionation effects were simulated by the removal of a fraction of the refractory nuclides from the calculation. Calculations for each event were performed for unfractionated debris and for debris with 0.5 and 0.1 of the refractory elements present.

Each Appendix contains three sets of 11 pages of calculated results relating to one event in Table 1. Each set of 11 pages is marked Page 2 through Page 12. 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. The value for each activation product at zero time is the result of a measurement. The measurements were performed on debris samples taken by aircraft approximately 1 to 4 h after detonation. When no measurement exists, the value appears as zero. Fission products were calculated from the fissioning nuclides and neutron energy spectra.[3]

Calculated values for each radionuclide at various decay intervals are given in the remaining pages—from 1 to 21 h on pp. 3–7, from 1 to 300 d on pp. 8–11, and from 1 to 50 y on p. 12. Note that the totals at zero time include *only* the nuclides listed on pp. 3–12, not all nuclides present at zero time.

References

1. H. G. Hicks, *Results of Calculations of External Gamma Radiation Exposure Rates from Fallout and the Related Radionuclide Compositions*, Lawrence Livermore National Laboratory, Livermore, CA, UCRL-53152 (1981), pts. 1–8.
   Part 1—Operation Ranger, 1951
   Part 2—Operation Buster-Jangle, 1951
   Part 3—Operation Tumbler-Snapper, 1952
   Part 4—Operation Upshot-Knothole, 1953
   Part 5—Operation Teapot, 1955
   Part 6—Operation Plumbob, 1957
   Part 7—Operation Hardtack II, 1958
   Part 8—Operations Nougat through Bowline, 1962–1968.
2. *Announced United States Nuclear Tests, July, 1945 through December, 1982*, Office of Public Affairs, Nevada Operations Office, Department of Energy, Las Vegas, NV, NVO-209, Rev. 3 (January 1983).
3. H. G. Hicks, "Calculation of the Concentration of Any Radionuclide Deposited on the Ground by Fallout from a Nuclear Detonation," *Health Physics*, 42, 5 (May 1982), pp. 585-600.
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).

NMS/sg

Appendix A
Detailed Results for Event Mike

PAGE 2

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

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	8.78E+01	1.39E+04
1.00E+00	2.50E+01	2.75E+03
2.00E+00	9.91E+00	9.44E+02
3.00E+00	5.50E+00	5.65E+02
4.00E+00	3.61E+00	4.38E+02
6.00E+00	2.07E+00	3.32E+02
9.00E+00	1.31E+00	2.57E+02
1.20E+01	1.00E+00	2.12E+02
1.50E+01	8.14E-01	1.81E+02
1.80E+01	6.85E-01	1.57E+02
2.10E+01	5.90E-01	1.38E+02
1.00E+00 DAYS	5.10E-01	1.22E+02
2.00E+00	2.37E-01	5.90E+01
5.00E+00	8.02E-02	1.88E+01
1.00E+01	3.26E-02	6.34E+00
2.00E+01	1.19E-02	1.88E+00
3.00E+01	6.90E-03	1.07E+00
5.00E+01	3.34E-03	5.64E-01
1.00E+02	1.30E-03	2.48E-01
2.00E+02	4.64E-04	9.42E-02
3.00E+02	1.82E-04	4.89E-02
1.00E+00 YEARS	1.06E-04	3.61E-02
1.50E+00	3.38E-05	2.08E-02
2.00E+00	1.93E-05	1.44E-02
3.50E+00	9.72E-06	6.32E-03
5.00E+00	6.74E-06	3.66E-03
7.00E+00	5.26E-06	2.43E-03
1.00E+01	4.41E-06	1.80E-03
2.00E+01	3.23E-06	1.18E-03
3.50E+01	2.26E-06	8.02E-04
5.00E+01	1.60E-06	5.58E-04

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.49E-04	7.49E-04	7.49E-04	7.49E-04
FE 55	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04	3.16E-04
FE 59	1.64E-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	1.62E-03	1.62E-03
CO 57	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05
CO 58	8.07E-04	8.07E-04	8.07E-04	8.07E-04	8.05E-04	8.05E-04	8.03E-04	8.03E-04	8.01E-04	8.01E-04	8.00E-04
CO 60	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.22E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.88E+00	1.87E+00	1.86E+00	1.85E+00	1.85E+00	1.83E+00	1.81E+00	1.79E+00	1.76E+00	1.74E+00	1.72E+00
U239	6.35E+03	1.08E+03	1.85E+02	3.15E+01	5.35E+00	1.56E-01	7.72E-04	3.81E-06	1.89E-08	9.33E-11	4.61E-13
U240	6.51E+01	6.20E+01	5.90E+01	5.62E+01	5.35E+01	4.85E+01	4.18E+01	3.60E+01	3.11E+01	2.68E+01	2.31E+01
NP239	2.17E-02	3.64E+01	4.21E+01	4.28E+01	4.25E+01	4.15E+01	3.98E+01	3.84E+01	3.71E+01	3.58E+01	3.44E+01
NP240M	1.03E-01	6.22E+01	5.95E+01	5.67E+01	5.40E+01	4.88E+01	4.22E+01	3.64E+01	3.14E+01	2.71E+01	2.34E+01
NP240	2.61E-09	1.34E-09	6.96E-10	3.59E-10	1.86E-10	4.97E-11	6.85E-12	9.46E-13	1.30E-13	1.80E-14	2.48E-15
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	2.54E-05	1.23E-01	7.41E-02	4.46E-02	2.68E-02	9.73E-03	2.12E-03	4.65E-04	1.02E-04	2.21E-05	4.85E-06
GE 77	8.32E-03	2.14E-02	2.02E-02	1.90E-02	1.78E-02	1.58E-02	1.31E-02	1.09E-02	9.09E-03	7.55E-03	6.29E-03
AS 77	8.60E-05	1.36E-02	1.37E-02	1.38E-02	1.39E-02	1.40E-02	1.40E-02	1.39E-02	1.37E-02	1.34E-02	1.31E-02
SE 77M	3.39E-09	4.07E-05	4.13E-05	4.16E-05	4.16E-05	4.19E-05	4.22E-05	4.19E-05	4.13E-05	4.04E-05	3.92E-05
GE 78	8.97E-01	5.60E-01	3.49E-01	2.18E-01	1.36E-01	5.29E-02	1.29E-02	3.11E-03	7.60E-04	1.85E-04	4.48E-05
AS 78	1.61E-02	2.68E-01	3.30E-01	3.09E-01	2.58E-01	1.53E-01	5.67E-02	1.88E-02	5.82E-03	1.74E-03	5.04E-04
AS 79	1.45E+01	1.43E-01	1.41E-03	1.39E-05	1.37E-07	1.32E-11	1.26E-17	1.20E-23	1.15E-29	1.10E-35	1.05E-41
SE 79M	2.15E-02	2.52E-01	2.49E-03	2.45E-05	2.41E-07	2.33E-11	2.23E-17	2.13E-23	2.03E-29	1.94E-35	1.85E-41
BR 80	8.06E-02	7.61E-03	7.15E-04	6.73E-05	6.33E-06	5.62E-08	4.70E-11	3.92E-14	3.26E-17	2.73E-20	2.28E-23
SE 81M	6.44E-02	3.00E+00	1.45E+00	6.97E-01	3.35E-01	7.84E-02	8.77E-03	9.83E-04	1.10E-04	1.24E-05	1.38E-06
SE 81	7.87E-01	3.55E+00	2.06E+00	1.03E+00	4.98E-01	1.16E-01	1.30E-02	1.46E-03	1.63E-04	1.83E-05	2.05E-06
BR 82	3.45E-04	3.38E-04	3.32E-04	3.25E-04	3.19E-04	3.07E-04	2.89E-04	2.72E-04	2.57E-04	2.42E-04	2.29E-04
SE 83	3.23E+01	6.12E+00	1.16E+00	2.20E-01	4.16E-02	1.50E-03	1.02E-05	6.92E-08	4.72E-10	3.20E-12	2.03E-14
BR 83	2.68E-01	4.01E+00	3.71E+00	2.92E+00	2.21E+00	1.25E+00	5.29E-01	2.23E-01	9.41E-02	3.97E-02	1.67E-02
KR 83M	1.39E-05	9.07E-01	1.85E+00	2.30E+00	2.37E+00	1.98E+00	1.17E+00	6.01E-01	2.90E-01	1.34E-01	6.01E-02

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BR 84	6.24E-02	1.08E+01	2.91E+00	7.88E-01	2.13E-01	1.56E-02	3.08E-04	6.08E-06	1.20E-07	2.38E-09	4.70E-11
KR 85M	2.67E-03	5.72E+00	4.87E+00	4.16E+00	3.56E+00	2.60E+00	1.62E+00	1.01E+00	6.29E-01	3.91E-01	2.44E-01
KR 87	3.37E+01	1.95E+01	1.13E+01	6.51E+00	3.76E+00	1.26E+00	2.44E-01	4.73E-02	9.17E-03	1.77E-03	3.43E-04
KR 88	2.04E+01	1.59E+01	1.24E+01	9.70E+00	7.58E+00	4.60E+00	2.20E+00	1.05E+00	4.97E-01	2.37E-01	1.13E-01
RB 88	5.19E+00	1.61E+01	1.37E+01	1.08E+01	8.47E+00	5.15E+00	2.46E+00	1.17E+00	5.58E-01	2.65E-01	1.26E-01
RB 89	2.54E+01	2.39E+01	1.61E+00	1.08E-01	7.23E-03	3.28E-05	9.91E-09	2.99E-12	9.11E-16	2.76E-19	8.37E-23
SR 89	1.95E-06	6.84E-02	7.29E-02	7.29E-02	7.29E-02	7.29E-02	7.29E-02	7.26E-02	7.26E-02	7.23E-02	7.23E-02
SR 90	3.71E-06	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04
SR 91	5.09E-01	9.48E+00	8.84E+00	8.23E+00	7.65E+00	6.63E+00	5.35E+00	4.32E+00	3.49E+00	2.80E+00	2.26E+00
Y 91M	3.43E-05	3.27E+00	4.45E+00	4.77E+00	4.71E+00	4.23E+00	3.46E+00	2.78E+00	2.24E+00	1.81E+00	1.46E+00
Y 91	1.40E-08	2.90E-03	6.69E-03	1.07E-02	1.46E-02	2.19E-02	3.11E-02	3.84E-02	4.45E-02	4.93E-02	5.31E-02
SR 92	6.75E+00	3.01E+01	2.34E+01	1.81E+01	1.40E+01	8.39E+00	3.89E+00	1.81E+00	8.39E-01	3.89E-01	1.81E-01
Y 92	3.11E-01	6.34E+00	9.96E+00	1.18E+01	1.26E+01	1.20E+01	9.17E+00	6.25E+00	4.02E+00	2.47E+00	1.49E+00
SR 93	2.96E+02	5.09E+00	2.81E-02	1.55E-04	8.56E-07	2.62E-11	4.42E-18	7.45E-25	1.26E-31	2.12E-38	3.57E-45
Y 93	3.61E-01	1.17E+01	1.10E+01	1.03E+01	9.58E+00	8.36E+00	6.81E+00	5.56E+00	4.52E+00	3.71E+00	3.01E+00
Y 94	4.45E+01	6.08E+01	7.83E+00	1.01E+00	1.30E-01	2.16E-03	4.64E-06	9.94E-09	2.13E-11	4.64E-14	2.57E-15
Y 95	1.95E+02	1.84E+01	4.05E-01	8.94E-03	1.97E-04	9.55E-08	1.02E-12	1.09E-17	1.17E-22	1.25E-27	1.33E-32
ZR 95	7.33E-04	9.58E-02	9.77E-02	9.77E-02	9.77E-02	9.77E-02	9.77E-02	9.74E-02	9.74E-02	9.71E-02	9.71E-02
NB 95	8.17E-11	5.92E-05	1.38E-04	2.17E-04	2.96E-04	4.53E-04	6.88E-04	9.26E-04	1.16E-03	1.39E-03	1.62E-03
ZR 97	1.94E+00	8.47E+00	8.10E+00	7.80E+00	7.46E+00	6.89E+00	6.09E+00	5.39E+00	4.79E+00	4.22E+00	3.75E+00
NB 97M	1.00E-02	8.13E+00	7.80E+00	7.50E+00	7.19E+00	6.63E+00	5.86E+00	5.19E+00	4.58E+00	4.05E+00	3.58E+00
NB 97	9.74E-01	4.25E+00	5.99E+00	6.83E+00	7.16E+00	7.13E+00	6.49E+00	5.79E+00	5.12E+00	4.52E+00	4.02E+00
NB 98	1.11E+01	4.90E+00	2.17E+00	9.59E-01	4.25E-01	8.32E-02	7.19E-03	6.21E-04	5.41E-05	4.69E-06	4.03E-07
MO 99	5.90E-03	2.43E+00	2.41E+00	2.38E+00	2.36E+00	2.31E+00	2.24E+00	2.17E+00	2.11E+00	2.04E+00	1.98E+00
TC 99M	5.48E-08	2.32E-01	4.36E-01	6.16E-01	7.74E-01	1.03E+00	1.31E+00	1.49E+00	1.60E+00	1.66E+00	1.68E+00
MO101	9.28E+01	4.19E+01	2.43E+00	1.41E-01	8.18E-03	2.74E-05	5.32E-09	1.04E-12	2.02E-16	3.91E-20	7.63E-24
TC101	3.91E+00	1.17E+02	1.28E+01	1.05E+00	7.67E-02	3.46E-04	8.65E-08	1.94E-11	4.11E-15	8.46E-19	1.71E-22
MO102	8.68E+02	1.98E+01	4.51E-01	1.03E-02	2.35E-04	1.22E-07	1.45E-12	1.72E-17	2.04E-22	2.42E-27	2.87E-32
TC102M	5.58E-01	1.67E+01	3.84E-01	8.77E-03	2.00E-04	1.03E-07	1.23E-12	1.46E-17	1.72E-22	2.05E-27	2.43E-32
TC102	2.61E+03	9.97E+00	2.27E-01	5.17E-03	1.18E-04	6.16E-08	7.32E-13	8.68E-18	1.03E-22	1.22E-27	1.45E-32
RU103	7.03E-05	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.62E-01	1.62E-01	1.62E-01	1.61E-01	1.61E-01	1.61E-01
RH103M	4.69E-09	8.43E-02	1.25E-01	1.45E-01	1.54E-01	1.61E-01	1.62E-01	1.62E-01	1.61E-01	1.61E-01	1.61E-01
TC104	5.63E+01	4.05E+01	4.05E+00	4.01E-01	3.96E-02	3.90E-04	3.81E-07	3.72E-10	3.64E-13	3.55E-16	3.47E-19
RU105	4.54E-01	1.57E+01	1.34E+01	1.15E+01	9.85E+00	7.19E+00	4.51E+00	2.82E+00	1.76E+00	1.10E+00	6.93E-01
RH105M	2.99E-03	1.57E+01	1.35E+01	1.15E+01	9.85E+00	7.23E+00	4.51E+00	2.83E+00	1.77E+00	1.11E+00	6.93E-01
RH105	4.91E-09	3.20E-01	5.93E-01	8.19E-01	1.01E+00	1.29E+00	1.54E+00	1.66E+00	1.69E+00	1.67E+00	1.63E+00
RU106	4.28E-04	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03
RH106	4.63E-06	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03	8.10E-03
RH107	1.18E-01	1.60E+01	2.43E+00	3.65E-01	5.51E-02	1.26E-03	4.33E-06	1.49E-08	5.14E-11	1.76-146	1.75E-17
PD107M	2.45E-04	3.26E+00	4.92E-01	7.44E-02	1.12E-02	2.56E-04	8.82E-07	3.04E-09	1.05E-11	3.61E-14	1.23E-16

MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.22E-02	1.01E+00	9.63E-01	9.13E-01	8.67E-01	7.82E-01	6.72E-01	5.76E-01	4.94E-01	4.23E-01	3.64E-01
AG109M	7.05E-05	1.01E+00	9.63E-01	9.15E-01	8.69E-01	7.85E-01	6.72E-01	5.76E-01	4.94E-01	4.23E-01	3.64E-01
PD111M	1.38E+00	1.22E+00	1.07E+00	9.50E-01	8.36E-01	6.50E-01	4.45E-01	3.05E-01	2.09E-01	1.43E-01	9.81E-02
PD111	4.92E-01	8.88E-01	8.52E-01	7.59E-01	6.71E-01	5.21E-01	3.58E-01	2.45E-01	1.68E-01	1.15E-01	7.90E-02
AG111M	3.91E-03	1.20E+00	1.13E+00	1.01E+00	8.88E-01	6.87E-01	4.69E-01	3.22E-01	2.20E-01	1.51E-01	1.03E-01
AG111	1.39E-09	4.13E-03	8.67E-03	1.28E-02	1.64E-02	2.23E-02	2.86E-02	3.28E-02	3.56E-02	3.73E-02	3.83E-02
PD112	4.11E-01	3.99E-01	3.85E-01	3.73E-01	3.61E-01	3.37E-01	3.06E-01	2.77E-01	2.51E-01	2.27E-01	2.06E-01
AG112	1.24E-05	7.89E-02	1.39E-01	1.87E-01	2.22E-01	2.66E-01	2.92E-01	2.91E-01	2.77E-01	2.58E-01	2.38E-01
AG113	4.87E-03	1.04E+00	9.14E-01	8.03E-01	7.04E-01	5.41E-01	3.67E-01	2.48E-01	1.67E-01	1.13E-01	7.63E-02
AG115	1.77E+00	1.90E+00	2.37E-01	2.96E-02	3.70E-03	5.79E-05	1.13E-07	2.21E-10	4.28E-13	4.25-162	3.94E-16
CD115M	1.45E-08	3.86E-04	4.34E-04	4.39E-04	4.39E-04	4.39E-04	4.38E-04	4.38E-04	4.36E-04	4.35E-04	4.35E-04
CD115	5.60E-06	1.06E-01	1.14E-01	1.13E-01	1.12E-01	1.09E-01	1.05E-01	1.01E-01	9.71E-02	9.35E-02	8.98E-02
IN115M	6.98E-11	1.17E-02	2.59E-02	3.84E-02	4.90E-02	6.53E-02	8.07E-02	8.88E-02	9.26E-02	9.35E-02	9.28E-02
CD117	1.27E-01	2.12E+00	1.59E+00	1.19E+00	8.93E-01	5.01E-01	2.10E-01	8.85E-02	3.73E-02	1.57E-02	6.59E-03
IN117M	6.11E-06	7.36E-01	1.07E+00	1.16E+00	1.12E+00	8.81E-01	5.04E-01	2.58E-01	1.24E-01	5.74E-02	2.59E-02
IN117	2.46E-10	1.34E-01	3.25E-01	4.52E-01	5.04E-01	4.64E-01	2.95E-01	1.58E-01	7.86E-02	3.70E-02	1.70E-02
CD118	8.41E+00	3.61E+00	1.55E+00	6.59E-01	2.82E-01	5.17E-02	4.06E-03	3.17E-04	2.49E-05	1.95E-06	1.53E-07
IN118	5.57E-01	3.61E+00	1.55E+00	6.61E-01	2.82E-01	5.18E-02	4.06E-03	3.18E-04	2.49E-05	1.95E-06	1.53E-07
CD119	2.10E+01	3.27E-01	5.10E-03	7.99E-05	1.25E-06	3.05E-10	1.16E-15	4.45E-21	1.69E-26	6.47E-32	2.47E-37
IN119M	3.16E-02	3.54E+00	3.85E-01	3.88E-02	3.87E-03	3.80E-05	3.71E-08	3.63E-11	3.54E-14	3.46E-17	3.38E-20
IN119	1.56E+00	1.86E-01	2.16E-02	2.19E-03	2.19E-04	2.15E-06	2.10E-09	2.05E-12	2.00E-15	1.96E-18	1.91E-21
SN121	2.59E-03	2.67E-01	2.59E-01	2.53E-01	2.47E-01	2.35E-01	2.16E-01	2.01E-01	1.86E-01	1.72E-01	1.60E-01
SN123M	1.27E+00	2.37E+00	8.39E-01	2.97E-01	1.05E-01	1.31E-02	5.80E-04	2.57E-05	1.14E-06	5.01E-08	2.22E-09
SN123	1.19E-05	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03
SN125	2.70E-02	2.69E-02	2.69E-02	2.68E-02	2.67E-02	2.65E-02	2.63E-02	2.60E-02	2.58E-02	2.55E-02	2.53E-02
SB125	1.62E-04	1.63E-04	1.64E-04	1.64E-04	1.65E-04	1.66E-04	1.69E-04	1.71E-04	1.73E-04	1.76E-04	1.78E-04
SB126	3.28E-03	3.27E-03	3.26E-03	3.26E-03	3.24E-03	3.23E-03	3.21E-03	3.19E-03	3.16E-03	3.14E-03	3.12E-03
SN127	2.73E+00	1.96E+00	1.41E+00	1.02E+00	7.31E-01	3.77E-01	1.40E-01	5.21E-02	1.93E-02	7.18E-03	2.67E-03
SB127	3.19E-02	1.10E-01	1.22E-01	1.30E-01	1.35E-01	1.41E-01	1.43E-01	1.42E-01	1.40E-01	1.37E-01	1.34E-01
TE127	1.80E-02	2.24E-02	2.72E-02	3.23E-02	3.73E-02	4.68E-02	6.00E-02	7.00E-02	7.79E-02	8.40E-02	8.80E-02
SN128	1.42E+01	7.01E+00	3.47E+00	1.71E+00	8.48E-01	2.07E-01	2.50E-02	3.01E-03	3.64E-04	4.41E-05	5.31E-06
SB128M	7.23E-03	7.99E+00	4.14E+00	2.05E+00	1.01E+00	2.47E-01	2.98E-02	3.59E-03	4.33E-04	5.24E-05	6.33E-06
SB128	5.99E-01	5.76E-01	5.43E-01	5.09E-01	4.75E-01	4.07E-01	3.25E-01	2.58E-01	2.05E-01	1.62E-01	1.29E-01
SN129M	7.66E+00	3.81E+00	1.91E+00	9.57E-01	4.78E-01	1.20E-01	1.50E-02	1.87E-03	2.34E-04	2.92E-05	3.65E-06
SN129	5.11E+01	5.01E-01	4.94E-03	4.88E-05	4.78E-07	4.65E-11	4.43E-17	4.23E-23	4.04E-29	3.85E-35	3.68E-41
SB129	2.87E+00	4.81E+00	4.52E+00	4.04E+00	3.55E+00	2.64E+00	1.64E+00	1.02E+00	6.27E-01	3.88E-01	2.38E-01
TE129M	5.43E-08	6.01E-04	1.24E-03	1.82E-03	2.34E-03	3.17E-03	4.01E-03	4.52E-03	4.85E-03	5.04E-03	5.17E-03
TE129	2.07E+00	2.84E+00	3.33E+00	3.46E+00	3.33E+00	2.76E+00	1.84E+00	1.16E+00	7.21E-01	4.46E-01	2.77E-01
SB130M	2.98E-01	5.62E-01	1.48E-03	3.88E-06	1.02E-08	7.05E-14	1.28E-21	2.33E-29	4.23E-37	7.69E-45	1.40E-52
SB130	5.11E+01	1.54E+01	4.40E+00	1.24E+00	3.52E-01	2.83E-02	6.46E-04	1.47E-05	3.36E-07	7.66E-09	1.75E-10

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.42E-02	1.34E-02	1.27E-02	1.20E-02	1.14E-02	1.02E-02	8.60E-03	7.27E-03	6.14E-03	5.20E-03	4.40E-03
SB131	1.23E+02	3.20E+01	5.23E+00	8.58E-01	1.41E-01	3.79E-03	1.67E-05	7.37E-08	3.25E-10	1.43E-12	7.14E-15
TE131M	5.89E-05	3.08E-01	3.52E-01	3.52E-01	3.45E-01	3.30E-01	3.08E-01	2.87E-01	2.68E-01	2.50E-01	2.33E-01
TE131	5.42E+01	5.89E+01	1.92E+01	4.99E+00	1.21E+00	1.14E-01	5.66E-02	5.23E-02	4.88E-02	4.56E-02	4.25E-02
I131	7.88E-03	2.73E-01	4.02E-01	4.41E-01	4.49E-01	4.53E-01	4.53E-01	4.49E-01	4.49E-01	4.45E-01	4.45E-01
TE132	6.54E-01	1.59E+00	1.57E+00	1.56E+00	1.55E+00	1.52E+00	1.48E+00	1.44E+00	1.40E+00	1.36E+00	1.33E+00
I132	1.61E+00	1.60E+00	1.60E+00	1.59E+00	1.58E+00	1.56E+00	1.52E+00	1.48E+00	1.44E+00	1.41E+00	1.37E+00
TE133M	7.51E-02	2.60E+01	1.13E+01	4.93E+00	2.15E+00	4.08E-01	3.35E-02	2.77E-03	2.28E-04	1.88E-05	1.55E-06
TE133	4.22E+02	2.39E+01	2.66E+00	8.80E-01	3.72E-01	7.04E-02	5.83E-03	4.79E-04	3.97E-05	3.26E-06	2.69E-07
I133	6.54E-01	7.04E+00	7.62E+00	7.62E+00	7.47E+00	7.08E+00	6.44E+00	5.83E+00	5.26E+00	4.79E+00	4.33E+00
XE133M	2.79E-08	1.58E-03	3.83E-03	6.11E-03	8.33E-03	1.25E-02	1.81E-02	2.30E-02	2.71E-02	3.06E-02	3.36E-02
XE133	4.86E-07	2.77E-02	6.72E-02	1.07E-01	1.47E-01	2.23E-01	3.27E-01	4.18E-01	5.01E-01	5.72E-01	6.36E-01
TE134	1.35E+02	6.24E+01	2.32E+01	8.64E+00	3.21E+00	4.44E-01	2.27E-02	1.16E-03	5.96E-05	3.06E-06	1.57E-07
I134	6.17E+01	8.25E+01	5.78E+01	3.39E+01	1.82E+01	4.62E+00	5.08E-01	5.19E-02	5.08E-03	4.87E-04	4.62E-05
I135	1.11E+01	1.96E+01	1.77E+01	1.59E+01	1.44E+01	1.17E+01	8.57E+00	6.27E+00	4.60E+00	3.39E+00	2.47E+00
XE135M	1.23E-03	5.66E+00	5.50E+00	4.99E+00	4.48E+00	3.64E+00	2.68E+00	1.96E+00	1.44E+00	1.06E+00	7.74E-01
XE135	1.28E+00	2.54E+00	3.71E+00	4.67E+00	5.44E+00	6.52E+00	7.23E+00	7.26E+00	6.91E+00	6.30E+00	5.63E+00
CS136	6.56E-04	6.54E-04	6.53E-04	6.52E-04	6.50E-04	6.47E-04	6.43E-04	6.38E-04	6.34E-04	6.30E-04	6.26E-04
CS137	5.06E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04
BA137M	1.07E-07	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04
XE138	4.32E+02	3.72E+01	3.23E+00	2.80E-01	2.42E-02	1.82E-04	1.18E-07	7.67E-11	4.99E-14	3.24E-17	2.11E-20
CS138	6.43E+01	1.08E+02	3.75E+01	1.10E+01	3.09E+00	2.35E-01	4.89E-03	1.01E-04	2.11E-06	4.39E-08	9.07E-10
CS139	3.39E+02	1.08E+01	1.36E-01	1.70E-03	2.14E-05	3.36E-09	6.68E-15	1.32E-20	2.61E-26	5.18E-32	1.02E-37
BA139	6.26E+00	6.98E+01	4.30E+01	2.61E+01	1.58E+01	5.80E+00	1.29E+00	2.86E-01	6.36E-02	1.41E-02	3.13E-03
BA140	8.03E-02	5.01E-01	5.01E-01	4.97E-01	4.97E-01	4.94E-01	4.94E-01	4.90E-01	4.86E-01	4.82E-01	4.78E-01
LA140	1.91E-07	8.57E-03	1.70E-02	2.52E-02	3.33E-02	4.90E-02	7.15E-02	9.26E-02	1.12E-01	1.31E-01	1.49E-01
BA141	1.37E+02	4.15E+01	4.12E+00	4.09E-01	4.06E-02	4.02E-04	3.93E-07	3.83E-10	3.73E-13	3.66E-16	3.57E-19
LA141	1.27E+00	2.69E+01	2.51E+01	2.13E+01	1.78E+01	1.25E+01	7.33E+00	4.28E+00	2.52E+00	1.48E+00	8.67E-01
CE141	1.57E-07	1.75E-02	4.09E-02	6.15E-02	7.88E-02	1.06E-01	1.31E-01	1.46E-01	1.54E-01	1.59E-01	1.62E-01
BA142	3.61E+02	1.43E+01	3.27E-01	7.46E-03	1.70E-04	8.84E-08	1.05E-12	1.24E-17	1.48E-22	1.75E-27	2.08E-32
LA142	8.29E+00	5.75E+01	3.79E+01	2.41E+01	1.53E+01	6.21E+00	1.60E+00	4.13E-01	1.06E-01	2.74E-02	7.06E-03
LA143	1.36E+02	2.65E+01	1.36E+00	6.97E-02	3.58E-03	9.38E-06	1.26E-09	1.71E-13	2.30E-17	3.10E-21	4.18E-25
CE143	5.42E-02	3.46E+00	3.58E+00	3.49E+00	3.42E+00	3.30E+00	3.09E+00	2.90E+00	2.72E+00	2.56E+00	2.40E+00
PR143	1.59E-08	5.29E-03	1.28E-02	2.02E-02	2.75E-02	4.15E-02	6.12E-02	7.99E-02	9.70E-02	1.13E-01	1.28E-01
CE144	2.46E-03	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
PR144	6.75E-07	1.60E-02	1.75E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
PR145	1.00E-01	1.47E+01	1.31E+01	1.17E+01	1.04E+01	8.24E+00	5.81E+00	4.10E+00	2.90E+00	2.05E+00	1.45E+00
CE146	3.27E+02	1.68E+01	8.61E-01	4.40E-02	2.26E-03	5.97E-06	8.03E-10	1.08E-13	1.46E-17	1.97E-21	2.65E-25
PR146	6.77E+00	5.89E+01	1.34E+01	2.51E+00	4.51E-01	1.42E-02	7.84E-05	4.32E-07	2.40E-09	1.32E-11	7.23E-14
PR147	3.85E+01	1.11E+01	3.48E-01	1.09E-02	3.40E-04	3.32E-07	1.01E-11	3.09E-16	9.43E-21	2.88E-25	8.78E-30

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.37E-05	2.59E-01	2.66E-01	2.65E-01	2.65E-01	2.63E-01	2.61E-01	2.59E-01	2.57E-01	2.55E-01	2.53E-01
ND149	2.43E+01	1.66E+01	1.13E+01	7.69E+00	5.20E+00	2.42E+00	7.59E-01	2.40E-01	7.55E-02	2.37E-02	7.50E-03
PM149	3.39E-03	2.65E-01	4.40E-01	5.57E-01	6.30E-01	7.09E-01	7.36E-01	7.22E-01	7.04E-01	6.76E-01	6.53E-01
PM150	2.73E-01	2.11E-01	1.63E-01	1.26E-01	9.73E-02	5.84E-02	2.70E-02	1.25E-02	5.80E-03	2.68E-03	1.24E-03
ND151	1.06E+02	3.30E+00	1.03E-01	3.22E-03	1.01E-04	9.84E-08	3.01E-12	9.18E-17	2.80E-21	8.53E-26	2.61E-30
PM151	6.69E-02	7.82E-01	7.87E-01	7.68E-01	7.49E-01	7.11E-01	6.59E-01	6.12E-01	5.70E-01	5.28E-01	4.90E-01
PM152	1.66E+02	1.62E-01	1.58E-04	1.54E-07	1.51E-10	1.44E-16	1.34E-25	1.25E-34	1.17E-43	1.09E-52	1.01E-61
SM153	2.39E-01	2.35E-01	2.32E-01	2.29E-01	2.26E-01	2.19E-01	2.10E-01	2.00E-01	1.92E-01	1.84E-01	1.76E-01
SM155	9.72E+00	1.60E+00	2.62E-01	4.28E-02	7.02E-03	1.89E-04	8.34E-07	3.67E-09	1.62E-11	7.21E-14	1.77E-16
EU155	7.15E-06	2.04E-04	2.36E-04	2.41E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04	2.42E-04
SM156	2.03E-01	1.88E-01	1.75E-01	1.62E-01	1.51E-01	1.30E-01	1.04E-01	8.36E-02	6.71E-02	5.37E-02	4.30E-02
EU156	5.92E-04	9.67E-04	1.31E-03	1.63E-03	1.93E-03	2.46E-03	3.14E-03	3.63E-03	4.06E-03	4.38E-03	4.62E-03
EU157	2.29E-02	7.61E-02	7.26E-02	6.94E-02	6.61E-02	6.04E-02	5.28E-02	4.61E-02	4.01E-02	3.49E-02	3.05E-02
EU158	6.95E-01	2.82E-01	1.14E-01	4.61E-02	1.87E-02	3.05E-03	2.04E-04	1.35E-05	8.96E-07	5.95E-08	3.95E-09
EU159	9.64E-01	9.57E-02	9.49E-03	9.42E-04	9.34E-05	9.21E-07	9.00E-10	8.79E-13	8.57E-16	8.38E-19	8.19E-22
GD159	4.13E-03	1.81E-02	1.88E-02	1.82E-02	1.76E-02	1.63E-02	1.45E-02	1.29E-02	1.15E-02	1.02E-02	9.13E-03
TB161	6.92E-05	4.98E-04	4.94E-04	4.93E-04	4.91E-04	4.86E-04	4.81E-04	4.75E-04	4.68E-04	4.63E-04	4.57E-04
TOTAL	1.39E+04	2.75E+03	9.44E+02	5.65E+02	4.38E+02	3.32E+02	2.57E+02	2.12E+02	1.81E+02	1.57E+02	1.38E+02

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.20E-04	1.19E-04	1.17E-04	1.13E-04	1.06E-04	9.28E-05	8.15E-05	6.27E-05	3.28E-05	8.92E-06	2.43E-06
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	7.55E-04	7.49E-04	7.49E-04	7.35E-04	7.29E-04	7.15E-04	7.02E-04	6.69E-04	5.97E-04	4.75E-04	3.78E-04
FE 55	3.16E-04	3.16E-04	3.16E-04	3.14E-04	3.14E-04	3.12E-04	3.09E-04	3.05E-04	2.93E-04	2.73E-04	2.54E-04
FE 59	1.64E-03	1.62E-03	1.59E-03	1.52E-03	1.41E-03	1.21E-03	1.03E-03	7.60E-04	3.53E-04	7.52E-05	1.62E-05
CO 57	1.01E-05	1.01E-05	1.01E-05	1.01E-05	9.91E-06	9.61E-06	9.39E-06	8.93E-06	7.88E-06	6.09E-06	4.72E-06
CO 58	8.07E-04	8.00E-04	7.91E-04	7.67E-04	7.33E-04	6.64E-04	6.02E-04	4.96E-04	3.05E-04	1.15E-04	4.36E-05
CO 60	8.22E-06	8.22E-06	8.22E-06	8.22E-06	8.17E-06	8.17E-06	8.12E-06	8.07E-06	7.88E-06	7.63E-06	7.34E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.88E+00	1.70E+00	1.53E+00	1.12E+00	6.73E-01	2.41E-01	8.64E-02	1.10E-02	6.52E-05	7.01E-09	4.73E-09
U240	6.51E+01	2.00E+01	6.15E+00	1.78E-01	4.89E-04	3.68E-09	2.77E-14	1.56E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.17E-02	3.32E+01	2.47E+01	1.02E+01	2.33E+00	1.22E-01	6.38E-03	1.75E-05	6.89E-12	1.64E-21	1.64E-21
NP240M	1.03E-01	2.02E+01	6.20E+00	1.80E-01	4.93E-04	3.71E-09	2.79E-14	1.57E-24	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	8.32E-03	5.24E-03	1.20E-03	1.45E-05	9.22E-09	3.73E-15	1.50E-21	2.46E-34	0.	0.	0.
AS 77	8.60E-05	1.27E-02	9.19E-03	2.66E-03	3.11E-04	4.22E-06	5.73E-08	1.06E-11	4.90E-21	1.05E-39	2.26E-58
SE 77M	3.39E-09	3.82E-05	2.75E-05	7.98E-06	9.31E-07	1.27E-08	1.72E-10	3.18E-14	1.47E-23	3.14E-42	6.78E-61
AS 78	1.61E-02	1.44E-04	4.20E-09	3.55E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	3.45E-04	2.15E-04	1.34E-04	3.27E-05	3.10E-06	2.78E-08	2.50E-10	2.02E-14	1.18E-24	4.04E-45	1.38E-65
BR 83	2.68E-01	7.07E-03	7.11E-06	7.22E-15	7.37E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.39E-05	3.09E-02	3.51E-05	3.16E-14	3.24E-29	0.	0.	0.	0.	0.	0.
KR 85M	2.67E-03	1.53E-01	3.47E-03	4.12E-08	2.54E-16	9.67E-33	3.66E-49	0.	0.	0.	0.
KR 85	2.76E-06	7.25E-05	7.39E-05	7.39E-05	7.39E-05	7.39E-05	7.39E-05	7.36E-05	7.29E-05	7.15E-05	7.04E-05
KR 87	3.37E+01	6.66E-05	1.32E-10	1.02E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.04E+01	5.37E-02	1.41E-04	2.56E-12	3.22E-25	0.	0.	0.	0.	0.	0.
RB 88	5.19E+00	5.98E-02	1.58E-04	2.86E-12	3.59E-25	0.	0.	0.	0.	0.	0.
SR 89	1.95E-06	5.84E-02	5.75E-02	5.53E-02	5.18E-02	4.53E-02	3.96E-02	3.05E-02	1.56E-02	4.10E-03	1.08E-03
SR 90	3.71E-06	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.78E-04	3.78E-04	3.74E-04
Y 90	5.50E-12	8.73E-05	1.54E-04	2.77E-04	3.54E-04	3.78E-04	3.81E-04	3.81E-04	3.78E-04	3.78E-04	3.74E-04
SR 91	5.09E-01	1.82E+00	3.27E-01	1.87E-03	3.43E-07	1.16E-14	3.94E-22	4.48E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.43E-05	1.18E+00	2.11E-01	1.21E-03	2.22E-07	7.49E-15	2.54E-22	2.89E-37	0.	0.	0.
Y 91	1.40E-08	5.60E-02	6.63E-02	6.63E-02	6.24E-02	5.54E-02	4.93E-02	3.91E-02	2.16E-02	6.66E-03	2.05E-03
SR 92	6.75E+00	8.42E-02	1.82E-04	1.82E-12	8.54E-26	0.	0.	0.	0.	0.	0.
Y 92	3.11E-01	8.82E-01	9.80E-03	7.54E-09	4.40E-19	1.50E-39	5.15E-60	0.	0.	0.	0.
Y 93	3.61E-01	2.44E+00	4.75E-01	3.57E-03	1.03E-06	8.50E-14	7.01E-21	4.79E-35	0.	0.	0.
ZR 95	7.33E-04	9.16E-02	9.07E-02	8.78E-02	8.33E-02	7.46E-02	6.72E-02	5.43E-02	3.18E-02	1.10E-02	3.76E-03
NB 95M	1.56E-11	3.10E-04	5.66E-04	1.08E-03	1.46E-03	1.54E-03	1.42E-03	1.15E-03	6.75E-04	2.32E-04	8.01E-05
NB 95	8.17E-11	1.77E-03	3.50E-03	8.39E-03	1.56E-02	2.69E-02	3.47E-02	4.31E-02	4.15E-02	1.99E-02	7.65E-03
ZR 97	1.94E+00	3.31E+00	1.24E+00	6.59E-02	4.95E-04	2.79E-08	1.57E-12	4.95E-21	2.79E-42	0.	0.
NB 97M	1.00E-02	3.18E+00	1.19E+00	6.36E-02	4.75E-04	2.68E-08	1.51E-12	4.75E-21	2.69E-42	0.	0.
NB 97	9.74E-01	3.32E+00	1.25E+00	6.63E-02	4.99E-04	3.00E-08	1.69E-12	5.35E-21	3.01E-42	0.	0.
MO 99	5.90E-03	1.92E+00	1.50E+00	7.10E-01	2.05E-01	1.72E-02	1.43E-03	9.99E-06	4.06E-11	6.68E-22	1.10E-32
TC 99M	5.48E-08	1.69E+00	1.42E+00	6.80E-01	1.96E-01	1.64E-02	1.37E-03	9.54E-06	3.87E-11	6.38E-22	1.05E-32
RU103	7.03E-05	1.61E-01	1.57E-01	1.49E-01	1.37E-01	1.15E-01	9.65E-02	6.81E-02	2.83E-02	4.91E-03	8.57E-04
RH103M	4.69E-09	1.61E-01	1.58E-01	1.50E-01	1.37E-01	1.15E-01	9.65E-02	6.81E-02	2.84E-02	4.91E-03	8.57E-04
RU105	4.54E-01	4.34E-01	1.02E-02	1.34E-07	9.81E-16	5.24E-32	2.81E-48	0.	0.	0.	0.
RH105M	2.99E-03	4.34E-01	1.02E-02	1.35E-07	9.85E-16	5.27E-32	2.81E-48	0.	0.	0.	0.
RH105	4.91E-09	1.57E+00	1.02E+00	2.55E-01	2.52E-02	2.45E-04	2.38E-06	2.24E-10	1.95E-20	1.46E-40	1.10E-60
RU106	4.28E-04	8.10E-03	8.07E-03	8.03E-03	7.96E-03	7.82E-03	7.65E-03	7.37E-03	6.70E-03	5.54E-03	4.59E-03
RH106	4.63E-06	8.10E-03	8.07E-03	8.03E-03	7.96E-03	7.82E-03	7.65E-03	7.37E-03	6.70E-03	5.54E-03	4.59E-03
PD109	1.22E-02	3.11E-01	9.06E-02	2.25E-03	4.73E-06	2.11E-11	9.40E-17	1.86E-27	0.	0.	0.
AG109M	7.05E-05	3.11E-01	9.08E-02	2.25E-03	4.76E-06	2.11E-11	9.40E-17	1.86E-27	0.	0.	0.
PD111M	1.38E+00	6.71E-02	3.26E-03	3.74E-07	1.01E-13	7.38E-27	5.42E-40	0.	0.	0.	0.
PD111	4.92E-01	5.42E-02	2.62E-03	3.01E-07	8.16E-14	5.94E-27	4.35E-40	0.	0.	0.	0.
AG111M	3.91E-03	7.07E-02	3.44E-03	3.96E-07	1.07E-13	7.85E-27	5.73E-40	0.	0.	0.	0.
AG111	1.39E-09	3.85E-02	3.70E-02	2.81E-02	1.77E-02	7.02E-03	2.79E-03	4.39E-04	4.32E-06	4.19E-10	4.06E-14
PD112	4.11E-01	1.87E-01	8.46E-02	7.85E-03	1.49E-04	5.42E-08	1.97E-11	2.58E-18	1.63E-35	0.	0.
AG112	1.24E-05	2.17E-01	9.97E-02	9.26E-03	1.77E-04	6.40E-08	2.32E-11	3.06E-18	1.92E-35	0.	0.
AG113	4.87E-03	5.15E-02	2.23E-03	1.81E-07	2.77E-14	6.48E-28	1.51E-41	0.	0.	0.	0.
CD115M	1.45E-08	4.20E-04	4.13E-04	3.93E-04	3.63E-04	3.08E-04	2.63E-04	1.90E-04	8.50E-05	1.69E-05	3.38E-06
CD115	5.60E-06	8.43E-02	6.18E-02	2.44E-02	5.14E-03	2.29E-04	1.02E-05	2.04E-08	3.60E-15	1.13E-28	3.53E-42
IN115M	6.98E-11	8.90E-02	6.74E-02	2.66E-02	5.60E-03	2.51E-04	1.12E-05	2.22E-08	3.94E-15	1.23E-28	3.86E-42
CD117	1.27E-01	2.77E-03	2.70E-06	2.52E-15	2.24E-30	0.	0.	0.	0.	0.	0.
IN117M	6.11E-06	1.15E-02	1.33E-05	1.28E-14	1.14E-29	0.	0.	0.	0.	0.	0.
IN117	2.46E-10	7.59E-03	8.99E-06	8.70E-15	7.72E-30	0.	0.	0.	0.	0.	0.
SN121	2.59E-03	1.48E-01	7.97E-02	1.26E-02	5.76E-04	1.22E-06	2.56E-09	1.14E-14	4.77E-28	0.	0.
SN123	1.19E-05	1.24E-03	1.23E-03	1.21E-03	1.18E-03	1.11E-03	1.06E-03	9.45E-04	7.16E-04	4.12E-04	2.37E-04
SN125	2.70E-02	2.51E-02	2.33E-02	1.87E-02	1.29E-02	6.18E-03	2.95E-03	6.76E-04	1.69E-05	1.06E-08	6.67E-12
SB125	1.62E-04	1.80E-04	1.97E-04	2.40E-04	2.95E-04	3.57E-04	3.84E-04	4.01E-04	3.93E-04	3.67E-04	3.42E-04
SB126	3.28E-03	3.10E-03	2.93E-03	2.48E-03	1.88E-03	1.08E-03	6.22E-04	2.05E-04	1.28E-05	6.22E-08	1.25E-08

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	2.73E+00	9.89E-04	3.59E-07	1.72E-17	1.08E-34	0.	0.	0.	0.	0.	0.
SB127	3.19E-02	1.31E-01	1.09E-01	6.39E-02	2.62E-02	4.37E-03	7.31E-04	2.04E-05	2.67E-09	4.55E-17	7.75E-25
TE127M	2.58E-10	2.00E-04	3.65E-04	7.09E-04	9.80E-04	1.08E-03	1.04E-03	9.23E-04	6.74E-04	3.56E-04	1.88E-04
TE127	1.80E-02	9.37E-02	9.19E-02	5.60E-02	2.37E-02	4.86E-03	1.66E-03	9.32E-04	6.65E-04	3.52E-04	1.86E-04
SB128	5.99E-01	1.02E-01	1.61E-02	6.29E-05	6.10E-09	5.73E-17	5.39E-25	4.75E-41	0.	0.	0.
SB129	2.87E+00	1.47E-01	3.07E-03	2.80E-08	1.11E-16	1.75E-33	2.77E-50	0.	0.	0.	0.
TE129M	5.43E-08	5.72E-03	5.72E-03	5.40E-03	4.88E-03	3.97E-03	3.23E-03	2.15E-03	7.76E-04	1.01E-04	1.32E-05
TE129	2.07E+00	1.72E-01	7.17E-03	3.46E-03	3.12E-03	2.54E-03	2.07E-03	1.38E-03	4.98E-04	6.50E-05	8.43E-06
I130	1.42E-02	3.72E-03	9.73E-04	1.74E-05	2.12E-08	3.16E-14	4.72E-20	1.05E-31	0.	0.	0.
TE131M	5.89E-05	2.06E-01	1.18E-01	2.24E-02	1.40E-03	5.46E-06	2.14E-08	3.26E-13	2.97E-25	0.	0.
TE131	5.42E+01	3.76E-02	2.16E-02	4.10E-03	2.56E-04	9.99E-07	3.90E-09	5.97E-14	5.42E-26	0.	0.
I131	7.88E-03	4.25E-01	4.02E-01	3.23E-01	2.13E-01	8.97E-02	3.80E-02	6.79E-03	9.17E-05	1.67E-08	3.04E-12
XE131M	2.14E-11	1.97E-04	3.74E-04	7.80E-04	1.12E-03	1.10E-03	8.19E-04	3.38E-04	2.25E-05	6.75E-08	1.90E-10
TE132	6.54E-01	1.30E+00	1.05E+00	5.51E-01	1.90E-01	2.25E-02	2.67E-03	3.75E-05	8.77E-10	4.80E-19	2.62E-28
I132	1.61E+00	1.34E+00	1.08E+00	5.67E-01	1.96E-01	2.32E-02	2.75E-03	3.86E-05	9.04E-10	4.92E-19	2.70E-28
I133	6.54E-01	3.65E+00	1.64E+00	1.53E-01	2.91E-03	1.05E-06	3.83E-10	5.04E-17	3.17E-34	0.	0.
XE133M	2.79E-08	3.44E-02	4.08E-02	2.39E-02	5.61E-03	2.64E-04	1.23E-05	2.66E-08	5.83E-15	2.79E-28	1.33E-41
XE133	4.86E-07	6.61E-01	8.87E-01	7.94E-01	4.33E-01	1.17E-01	3.14E-02	2.26E-03	3.15E-06	6.11E-12	1.19E-17
I135	1.11E+01	1.82E+00	1.52E-01	8.82E-05	3.58E-10	5.91E-21	9.72E-32	2.64E-53	0.	0.	0.
XE135M	1.23E-03	5.66E-01	4.73E-02	2.75E-05	1.12E-10	1.84E-21	3.03E-32	8.25E-54	0.	0.	0.
XE135	1.28E+00	4.89E+00	1.20E+00	6.84E-03	8.38E-07	1.18E-14	1.65E-22	3.26E-38	0.	0.	0.
CS136	6.56E-04	6.22E-04	5.89E-04	5.02E-04	3.85E-04	2.26E-04	1.33E-04	4.56E-05	3.17E-06	1.53E-08	7.41E-11
CS137	5.06E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.42E-04	5.39E-04	5.36E-04
BA137M	1.07E-07	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.09E-04	5.06E-04	5.03E-04	5.00E-04
BA139	6.26E+00	6.68E-04	3.94E-09	8.12E-25	0.	0.	0.	0.	0.	0.	0.
BA140	8.03E-02	4.74E-01	4.51E-01	3.83E-01	2.92E-01	1.70E-01	9.87E-02	3.35E-02	2.23E-03	9.95E-06	4.40E-08
LA140	1.91E-07	1.65E-01	2.66E-01	3.68E-01	3.27E-01	1.95E-01	1.14E-01	3.86E-02	2.57E-03	1.14E-05	5.09E-08
LA141	1.27E+00	5.04E-01	7.07E-03	1.96E-08	1.07E-17	3.19E-36	9.52E-55	0.	0.	0.	0.
CE141	1.57E-07	1.74E-01	1.73E-01	1.62E-01	1.46E-01	1.18E-01	9.49E-02	6.18E-02	2.12E-02	2.50E-03	2.94E-04
LA142	8.29E+00	1.82E-03	3.52E-08	2.59E-22	0.	0.	0.	0.	0.	0.	0.
CE143	5.42E-02	2.23E+00	1.35E+00	2.97E-01	2.39E-02	1.54E-04	9.99E-07	4.18E-11	4.72E-22	0.	0.
PR143	1.59E-08	1.43E-01	2.22E-01	2.87E-01	2.46E-01	1.50E-01	9.03E-02	3.27E-02	2.61E-03	1.66E-05	1.05E-07
CE144	2.46E-03	1.76E-02	1.75E-02	1.74E-02	1.72E-02	1.68E-02	1.64E-02	1.56E-02	1.38E-02	1.08E-02	8.49E-03
PR144	6.75E-07	1.76E-02	1.75E-02	1.74E-02	1.72E-02	1.68E-02	1.64E-02	1.56E-02	1.38E-02	1.08E-02	8.49E-03
PR145	1.00E-01	1.02E+00	6.34E-02	1.50E-05	1.37E-11	1.13E-23	9.41E-36	0.	0.	0.	0.
ND147	1.37E-05	2.31E-01	2.17E-01	1.80E-01	1.32E-01	7.07E-02	3.78E-02	1.09E-02	4.76E-04	9.27E-07	1.80E-09
PM147	3.81E-14	1.73E-04	3.35E-04	7.64E-04	1.32E-03	2.02E-03	2.38E-03	2.65E-03	2.68E-03	2.50E-03	2.32E-03
ND149	2.43E+01	2.36E-03	2.28E-07	2.08E-19	1.78E-39	0.	0.	0.	0.	0.	0.
PM149	3.39E-03	6.26E-01	4.58E-01	1.79E-01	3.74E-02	1.63E-03	7.09E-05	1.35E-07	2.13E-14	5.25E-28	1.31E-41
PM150	2.73E-01	5.75E-04	1.21E-06	1.14E-14	4.76E-28	0.	0.	0.	0.	0.	0.

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	6.69E-02	4.56E-01	2.52E-01	4.23E-02	2.17E-03	5.70E-06	1.50E-08	1.04E-13	1.30E-26	0.	0.
SM153	2.39E-01	1.68E-01	1.18E-01	4.07E-02	6.92E-03	2.01E-04	5.85E-06	4.91E-09	1.01E-16	4.32E-32	1.84E-47
SM156	2.03E-01	3.45E-02	5.89E-03	2.90E-05	4.18E-09	8.59E-17	1.77E-24	7.55E-40	0.	0.	0.
EU155	7.15E-06	2.42E-04	2.42E-04	2.42E-04	2.41E-04	2.40E-04	2.39E-04	2.37E-04	2.33E-04	2.23E-04	2.15E-04
EU156	5.92E-04	4.82E-03	5.34E-03	4.79E-03	3.80E-03	2.39E-03	1.51E-03	5.98E-04	5.92E-05	5.84E-07	5.75E-09
EU157	2.29E-02	2.65E-02	8.92E-03	3.34E-04	1.40E-06	2.48E-11	4.38E-16	1.37E-25	0.	0.	0.
GD159	4.13E-03	8.13E-03	3.23E-03	2.02E-04	1.98E-06	1.92E-10	1.86E-14	1.75E-22	1.49E-42	0.	0.
TB161	6.92E-05	4.52E-04	4.08E-04	3.02E-04	1.83E-04	6.69E-05	2.45E-05	3.28E-06	2.17E-08	9.38E-13	4.08E-17
TOTAL	2.60E+02	1.22E+02	5.90E+01	1.88E+01	6.34E+00	1.88E+00	1.07E+00	5.64E-01	2.48E-01	9.42E-02	4.89E-02

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.20E-04	1.04E-06	9.66E-08	8.97E-09	7.22E-12	5.78E-15	4.32E-19	2.77E-25	0.	0.	0.
MN 54	7.55E-04	3.26E-04	2.15E-04	1.41E-04	4.03E-05	1.15E-05	2.17E-06	1.77E-07	4.16E-11	1.50E-16	5.44E-22
FE 59	1.64E-03	5.92E-06	3.55E-07	2.14E-08	4.64E-12	1.00E-15	1.31E-20	6.12E-28	0.	0.	0.
CO 57	1.01E-05	3.99E-06	2.50E-06	1.57E-06	3.87E-07	9.54E-08	1.47E-09	8.93E-10	7.81E-14	6.41E-20	0.
CO 58	8.07E-04	2.32E-05	3.93E-06	6.66E-07	3.24E-09	1.58E-11	1.30E-14	3.09E-19	1.18E-34	0.	0.
CO 60	8.22E-06	7.20E-06	6.71E-06	6.27E-06	5.15E-06	4.24E-06	3.25E-06	2.19E-06	5.88E-07	8.17E-08	1.13E-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	1.88E+00	4.69E-09	4.56E-09	4.44E-09	4.16E-09	3.86E-09	3.51E-09	3.04E-09	1.90E-09	9.29E-10	4.56E-10
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	2.76E-06	6.86E-05	6.65E-05	6.43E-05	5.87E-05	5.30E-05	4.66E-05	3.84E-05	2.03E-05	7.75E-06	2.96E-06
SR 89	1.95E-06	4.56E-04	3.99E-05	3.50E-06	2.36E-09	1.59E-12	9.40E-17	4.27E-23	3.10E-44	0.	0.
SR 90	3.71E-06	3.71E-04	3.67E-04	3.64E-04	3.51E-04	3.37E-04	3.21E-04	2.98E-04	2.33E-04	1.61E-04	1.11E-04
Y 90	5.50E-12	3.71E-04	3.67E-04	3.64E-04	3.51E-04	3.37E-04	3.21E-04	2.98E-04	2.33E-04	1.61E-04	1.11E-04
Y 91	1.40E-08	9.48E-04	1.10E-04	1.28E-05	2.01E-08	3.15E-11	5.76E-15	1.42E-20	2.86E-39	0.	0.
ZR 95	7.33E-04	1.88E-03	2.69E-04	3.83E-05	1.12E-07	3.25E-10	1.34E-13	1.13E-18	1.39E-35	0.	0.
NB 95M	1.56E-11	3.99E-05	5.69E-06	8.13E-07	2.36E-09	6.88E-12	2.85E-15	2.40E-20	2.95E-37	0.	0.
NB 95	8.17E-11	4.05E-03	5.82E-04	8.29E-05	2.40E-07	6.98E-10	2.91E-13	2.46E-18	3.01E-35	0.	0.
RU103	7.03E-05	2.73E-04	1.12E-05	4.60E-07	3.14E-11	2.15E-15	6.04E-21	2.84E-29	0.	0.	0.
RH103M	4.69E-09	2.74E-04	1.12E-05	4.60E-07	3.14E-11	2.16E-15	6.04E-21	2.84E-29	0.	0.	0.
RU106	4.28E-04	4.07E-03	2.88E-03	2.04E-03	7.26E-04	2.58E-04	6.49E-05	8.21E-06	8.28E-09	2.66E-13	8.56E-18
RH106	4.63E-06	4.07E-03	2.88E-03	2.04E-03	7.26E-04	2.58E-04	6.49E-05	8.21E-06	8.28E-09	2.66E-13	8.56E-18
SN123	1.19E-05	1.65E-04	5.98E-05	2.17E-05	1.04E-06	5.00E-08	8.71E-10	2.01E-12	3.22E-21	2.07E-34	1.33E-47
SB125	1.62E-04	3.27E-04	2.87E-04	2.52E-04	1.72E-04	1.17E-04	7.00E-05	3.24E-05	2.49E-06	5.30E-08	1.13E-09
TE125M	4.37E-12	1.33E-04	1.18E-04	1.04E-04	7.12E-05	4.84E-05	2.90E-05	1.34E-05	1.03E-06	2.19E-08	4.67E-10
TE127M	2.58E-10	1.23E-04	3.86E-05	1.21E-05	3.72E-07	1.14E-08	1.10E-10	1.03E-13	8.49E-24	6.35E-39	4.73E-54
TE127	1.80E-02	1.22E-04	3.82E-05	1.19E-05	3.67E-07	1.13E-08	1.09E-10	1.02E-13	8.40E-24	6.26E-39	4.68E-54
CS137	5.06E-05	5.33E-04	5.27E-04	5.21E-04	5.03E-04	4.85E-04	4.64E-04	4.33E-04	3.42E-04	2.43E-04	1.72E-04
BA137M	1.07E-07	5.00E-04	4.94E-04	4.88E-04	4.70E-04	4.55E-04	4.33E-04	4.06E-04	3.21E-04	2.27E-04	1.61E-04
CE141	1.57E-07	6.77E-05	1.36E-06	2.73E-08	2.23E-13	1.81E-18	2.97E-25	1.97E-35	0.	0.	0.
CE144	2.46E-03	7.23E-03	4.65E-03	2.97E-03	7.78E-04	2.05E-04	3.44E-05	2.38E-06	3.20E-10	5.02E-16	7.82E-22
PR144	6.75E-07	7.23E-03	4.65E-03	2.97E-03	7.78E-04	2.05E-04	3.44E-05	2.38E-06	3.20E-10	5.02E-16	7.82E-22
PM147	3.81E-14	2.22E-03	1.94E-03	1.70E-03	1.14E-03	7.68E-04	4.51E-04	2.05E-04	1.46E-05	2.75E-07	5.20E-09
EU155	7.15E-06	2.09E-04	1.94E-04	1.81E-04	1.45E-04	1.17E-04	8.72E-05	5.63E-05	1.32E-05	1.48E-06	1.67E-07
TOTAL	1.90E+00	3.61E-02	2.08E-02	1.44E-02	6.32E-03	3.66E-03	2.43E-03	1.80E-03	1.18E-03	8.02E-04	5.58E-04

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MIKE
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM

PAGE 2

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.01E+02	1.36E+04
1.00E+00	2.97E+01	2.66E+03
2.00E+00	1.16E+01	9.44E+02
3.00E+00	6.23E+00	5.60E+02
4.00E+00	3.93E+00	4.21E+02
6.00E+00	2.14E+00	3.05E+02
9.00E+00	1.33E+00	2.28E+02
1.20E+01	1.00E+00	1.84E+02
1.50E+01	8.05E-01	1.54E+02
1.80E+01	6.70E-01	1.32E+02
2.10E+01	5.70E-01	1.15E+02
1.00E+00 DAYS	4.88E-01	1.01E+02
2.00E+00	2.25E-01	4.81E+01
5.00E+00	8.29E-02	1.59E+01
1.00E+01	3.59E-02	5.85E+00
2.00E+01	1.35E-02	1.95E+00
3.00E+01	7.62E-03	1.13E+00
5.00E+01	3.45E-03	6.04E-01
1.00E+02	1.13E-03	2.56E-01
2.00E+02	3.70E-04	8.97E-02
3.00E+02	1.48E-04	4.56E-02
1.00E+00 YEARS	9.03E-05	3.40E-02
1.50E+00	3.52E-05	2.03E-02
2.00E+00	2.29E-05	1.44E-02
3.50E+00	1.26E-05	6.80E-03
5.00E+00	9.01E-06	4.19E-03
7.00E+00	7.16E-06	2.96E-03
1.00E+01	6.05E-06	2.33E-03
2.00E+01	4.48E-06	1.63E-03
3.50E+01	3.15E-06	1.12E-03
5.00E+01	2.22E-06	7.79E-04

1

MIKE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	8.39E-05	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.37E-05	8.36E-05	8.33E-05	8.32E-05	8.30E-05	8.29E-05
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	5.27E-04	5.27E-04	5.27E-04	5.27E-04	5.27E-04	5.27E-04	5.27E-04	5.22E-04	5.22E-04	5.22E-04	5.22E-04
FE 55	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04
FE 59	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.13E-03	1.13E-03	1.13E-03
CO 57	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06	7.07E-06
CO 58	5.63E-04	5.63E-04	5.63E-04	5.63E-04	5.61E-04	5.61E-04	5.60E-04	5.60E-04	5.59E-04	5.59E-04	5.58E-04
CO 60	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.73E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.31E+00	1.30E+00	1.30E+00	1.29E+00	1.29E+00	1.28E+00	1.26E+00	1.25E+00	1.23E+00	1.21E+00	1.20E+00
U239	4.43E+03	7.55E+02	1.29E+02	2.20E+01	3.73E+00	1.09E-01	5.39E-04	2.66E-06	1.31E-08	6.50E-11	3.22E-13
U240	4.54E+01	4.32E+01	4.12E+01	3.92E+01	3.73E+01	3.38E+01	2.92E+01	2.51E+01	2.17E+01	1.87E+01	1.61E+01
NP239	1.52E-02	2.54E+01	2.94E+01	2.98E+01	2.96E+01	2.89E+01	2.77E+01	2.68E+01	2.59E+01	2.49E+01	2.40E+01
NP240M	7.18E-02	4.34E+01	4.15E+01	3.95E+01	3.77E+01	3.41E+01	2.94E+01	2.54E+01	2.19E+01	1.89E+01	1.63E+01
NP240	1.82E-09	9.35E-10	4.86E-10	2.50E-10	1.30E-10	3.47E-11	4.78E-12	6.60E-13	9.09E-14	1.25E-14	1.73E-15
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	3.54E-05	1.71E-01	1.03E-01	6.22E-02	3.74E-02	1.36E-02	2.96E-03	6.49E-04	1.42E-04	3.09E-05	6.76E-06
GE 77	1.16E-02	2.99E-02	2.81E-02	2.64E-02	2.49E-02	2.20E-02	1.83E-02	1.52E-02	1.27E-02	1.05E-02	8.77E-03
AS 77	1.20E-04	1.90E-02	1.92E-02	1.93E-02	1.94E-02	1.96E-02	1.96E-02	1.94E-02	1.91E-02	1.87E-02	1.83E-02
SE 77M	4.73E-09	5.68E-05	5.76E-05	5.81E-05	5.81E-05	5.85E-05	5.89E-05	5.85E-05	5.76E-05	5.63E-05	5.46E-05
GE 78	1.25E+00	7.82E-01	4.86E-01	3.04E-01	1.90E-01	7.38E-02	1.79E-02	4.34E-03	1.06E-03	2.58E-04	6.25E-05
AS 78	2.25E-02	3.73E-01	4.60E-01	4.31E-01	3.60E-01	2.13E-01	7.90E-02	2.62E-02	8.12E-03	2.43E-03	7.04E-04
AS 79	2.03E+01	2.00E-01	1.97E-03	1.94E-05	1.91E-07	1.85E-11	1.76E-17	1.68E-23	1.60E-29	1.53E-35	1.46E-41
SE 79M	3.00E-02	3.52E-01	3.47E-03	3.42E-05	3.37E-07	3.26E-11	3.11E-17	2.97E-23	2.83E-29	2.70E-35	2.58E-41
BR 80	1.12E-01	1.06E-02	9.97E-04	9.38E-05	8.84E-06	7.83E-08	6.56E-11	5.46E-14	4.55E-17	3.80E-20	3.17E-23
SE 81M	8.98E-02	4.19E+00	2.02E+00	9.73E-01	4.68E-01	1.09E-01	1.22E-02	1.37E-03	1.54E-04	1.72E-05	1.93E-06
SE 81	1.10E+00	4.96E+00	2.87E+00	1.43E+00	6.95E-01	1.62E-01	1.82E-02	2.03E-03	2.28E-04	2.56E-05	2.86E-06
BR 82	4.81E-04	4.72E-04	4.63E-04	4.54E-04	4.45E-04	4.28E-04	4.03E-04	3.80E-04	3.59E-04	3.38E-04	3.19E-04
SE 83	4.51E+01	8.54E+00	1.62E+00	3.07E-01	5.80E-02	2.09E-03	1.42E-05	9.65E-08	6.59E-10	4.47E-12	2.84E-14
BR 83	3.74E-01	5.59E+00	5.17E+00	4.07E+00	3.09E+00	1.75E+00	7.38E-01	3.11E-01	1.31E-01	5.54E-02	2.34E-02
KR 83M	1.93E-05	1.27E+00	2.58E+00	3.21E+00	3.31E+00	2.76E+00	1.63E+00	8.38E-01	4.04E-01	1.87E-01	8.38E-02

1 MIKE MICROCURIES/SQ METER PAGE 4

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	8.71E-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	3.72E-03	7.98E+00	6.79E+00	5.80E+00	4.96E+00	3.62E+00	2.26E+00	1.41E+00	8.78E-01	5.46E-01	3.41E-01
KR 87	4.70E+01	2.71E+01	1.57E+01	9.08E+00	5.24E+00	1.76E+00	3.41E-01	6.60E-02	1.28E-02	2.48E-03	4.79E-04
KR 88	2.85E+01	2.22E+01	1.73E+01	1.35E+01	1.06E+01	6.42E+00	3.06E+00	1.46E+00	6.93E-01	3.30E-01	1.57E-01
RB 88	7.23E+00	2.25E+01	1.92E+01	1.51E+01	1.18E+01	7.19E+00	3.43E+00	1.63E+00	7.79E-01	3.70E-01	1.76E-01
RB 89	3.55E+01	3.33E+01	2.24E+00	1.51E-01	1.01E-02	4.57E-05	1.38E-08	4.17E-12	1.27E-15	3.85E-19	1.17E-22
SR 89	2.72E-06	9.53E-02	1.02E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01	1.01E-01	1.01E-01	1.01E-01	1.01E-01
SR 90	5.17E-06	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04
SR 91	6.21E-01	1.16E+01	1.08E+01	1.00E+01	9.34E+00	8.09E+00	6.53E+00	5.28E+00	4.26E+00	3.42E+00	2.76E+00
Y 91M	4.18E-05	3.99E+00	5.43E+00	5.82E+00	5.74E+00	5.16E+00	4.22E+00	3.40E+00	2.74E+00	2.21E+00	1.78E+00
Y 91	1.71E-08	3.54E-03	8.17E-03	1.31E-02	1.78E-02	2.67E-02	3.79E-02	4.69E-02	5.43E-02	6.02E-02	6.49E-02
SR 92	4.71E+00	2.10E+01	1.63E+01	1.26E+01	9.77E+00	5.85E+00	2.72E+00	1.26E+00	5.85E-01	2.72E-01	1.26E-01
Y 92	2.17E-01	4.42E+00	6.94E+00	8.26E+00	8.76E+00	8.35E+00	6.40E+00	4.36E+00	2.80E+00	1.73E+00	1.04E+00
SR 93	2.06E+02	3.55E+00	1.96E-02	1.08E-04	5.97E-07	1.83E-11	3.08E-18	5.20E-25	8.77E-32	1.48E-38	2.49E-45
Y 93	2.52E-01	8.14E+00	7.64E+00	7.15E+00	6.68E+00	5.83E+00	4.75E+00	3.88E+00	3.15E+00	2.59E+00	2.10E+00
Y 94	3.10E+01	4.24E+01	5.46E+00	7.04E-01	9.08E-02	1.51E-03	3.23E-06	6.93E-09	1.48E-11	3.23E-14	1.79E-15
Y 95	1.36E+02	1.28E+01	2.83E-01	6.23E-03	1.37E-04	6.66E-08	7.13E-13	7.62E-18	8.14E-23	8.70E-28	9.31E-33
ZR 95	5.11E-04	6.68E-02	6.82E-02	6.82E-02	6.82E-02	6.82E-02	6.82E-02	6.79E-02	6.79E-02	6.77E-02	6.77E-02
NB 95	5.70E-11	4.13E-05	9.62E-05	1.51E-04	2.06E-04	3.16E-04	4.80E-04	6.46E-04	8.07E-04	9.71E-04	1.13E-03
ZR 97	1.36E+00	5.90E+00	5.65E+00	5.44E+00	5.20E+00	4.81E+00	4.25E+00	3.76E+00	3.34E+00	2.94E+00	2.61E+00
NB 97M	6.98E-03	5.67E+00	5.44E+00	5.23E+00	5.02E+00	4.62E+00	4.08E+00	3.62E+00	3.20E+00	2.82E+00	2.50E+00
NB 97	6.79E-01	2.96E+00	4.18E+00	4.76E+00	4.99E+00	4.97E+00	4.53E+00	4.04E+00	3.57E+00	3.15E+00	2.80E+00
NB 98	7.73E+00	3.42E+00	1.51E+00	6.69E-01	2.96E-01	5.80E-02	5.02E-03	4.33E-04	3.77E-05	3.27E-06	2.81E-07
MO 99	4.11E-03	1.70E+00	1.68E+00	1.66E+00	1.64E+00	1.61E+00	1.56E+00	1.51E+00	1.47E+00	1.42E+00	1.38E+00
TC 99M	3.82E-08	1.62E-01	3.04E-01	4.29E-01	5.39E-01	7.20E-01	9.14E-01	1.04E+00	1.11E+00	1.15E+00	1.17E+00
MO101	1.29E+02	5.84E+01	3.39E+00	1.97E-01	1.14E-02	3.82E-05	7.43E-09	1.45E-12	2.81E-16	5.46E-20	1.06E-23
TC101	5.46E+00	1.64E+02	1.79E+01	1.47E+00	1.07E-01	4.83E-04	1.21E-07	2.70E-11	5.73E-15	1.18E-18	2.39E-22
MO102	1.21E+03	2.76E+01	6.29E-01	1.44E-02	3.28E-04	1.70E-07	2.02E-12	2.40E-17	2.84E-22	3.37E-27	4.01E-32
TC102M	7.79E-01	2.34E+01	5.35E-01	1.22E-02	2.79E-04	1.44E-07	1.71E-12	2.03E-17	2.41E-22	2.86E-27	3.39E-32
TC102	3.65E+03	1.39E+01	3.17E-01	7.21E-03	1.65E-04	8.59E-08	1.02E-12	1.21E-17	1.44E-22	1.70E-27	2.02E-32
RU103	9.81E-05	2.28E-01	2.27E-01	2.27E-01	2.27E-01	2.26E-01	2.26E-01	2.26E-01	2.25E-01	2.25E-01	2.24E-01
RH103M	6.54E-09	1.18E-01	1.74E-01	2.02E-01	2.15E-01	2.24E-01	2.26E-01	2.26E-01	2.25E-01	2.25E-01	2.25E-01
TC104	7.86E+01	5.64E+01	5.64E+00	5.59E-01	5.53E-02	5.44E-04	5.32E-07	5.20E-10	5.07E-13	4.96E-16	4.84E-19
RU105	6.33E-01	2.19E+01	1.87E+01	1.60E+01	1.37E+01	1.00E+01	6.29E+00	3.93E+00	2.46E+00	1.54E+00	9.66E-01
RH105M	4.17E-03	2.20E+01	1.88E+01	1.61E+01	1.37E+01	1.01E+01	6.29E+00	3.94E+00	2.47E+00	1.54E+00	9.66E-01
RH105	6.84E-09	4.46E-01	8.28E-01	1.14E+00	1.41E+00	1.80E+00	2.15E+00	2.31E+00	2.36E+00	2.34E+00	2.27E+00
RU106	5.97E-04	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
RH106	6.46E-06	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
RH107	1.64E-01	2.23E+01	3.39E+00	5.10E-01	7.69E-02	1.75E-03	6.04E-06	2.08E-08	7.17E-11	2.45-146	2.44E-17
PD107M	3.42E-04	4.55E+00	6.87E-01	1.04E-01	1.57E-02	3.57E-04	1.23E-06	4.24E-09	1.46E-11	5.04E-14	1.72E-16

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.70E-02	1.41E+00	1.34E+00	1.27E+00	1.21E+00	1.09E+00	9.38E-01	8.04E-01	6.89E-01	5.90E-01	5.07E-01
AG109M	9.83E-05	1.41E+00	1.34E+00	1.28E+00	1.21E+00	1.09E+00	9.38E-01	8.04E-01	6.89E-01	5.90E-01	5.07E-01
PD111M	1.93E+00	1.70E+00	1.50E+00	1.32E+00	1.17E+00	9.07E-01	6.21E-01	4.26E-01	2.92E-01	1.99E-01	1.37E-01
PD111	6.87E-01	1.24E+00	1.19E+00	1.06E+00	9.36E-01	7.27E-01	4.99E-01	3.42E-01	2.34E-01	1.61E-01	1.10E-01
AG111M	5.46E-03	1.67E+00	1.57E+00	1.40E+00	1.24E+00	9.58E-01	6.55E-01	4.49E-01	3.07E-01	2.11E-01	1.44E-01
AG111	1.94E-09	5.76E-03	1.21E-02	1.78E-02	2.28E-02	3.11E-02	4.00E-02	4.58E-02	4.96E-02	5.20E-02	5.34E-02
PD112	5.74E-01	5.56E-01	5.37E-01	5.20E-01	5.04E-01	4.71E-01	4.27E-01	3.87E-01	3.50E-01	3.17E-01	2.87E-01
AG112	1.73E-05	1.10E-01	1.94E-01	2.61E-01	3.10E-01	3.71E-01	4.08E-01	4.06E-01	3.87E-01	3.60E-01	3.32E-01
AG113	6.80E-03	1.45E+00	1.28E+00	1.12E+00	9.82E-01	7.55E-01	5.11E-01	3.45E-01	2.33E-01	1.57E-01	1.06E-01
AG115	2.47E+00	2.65E+00	3.30E-01	4.12E-02	5.17E-03	8.07E-05	1.58E-07	3.08E-10	5.97E-13	5.93-162	5.50E-16
CD115M	2.02E-08	5.38E-04	6.05E-04	6.13E-04	6.13E-04	6.13E-04	6.11E-04	6.11E-04	6.09E-04	6.07E-04	6.07E-04
CD115	7.82E-06	1.47E-01	1.58E-01	1.58E-01	1.56E-01	1.52E-01	1.47E-01	1.41E-01	1.36E-01	1.30E-01	1.25E-01
IN115M	9.74E-11	1.63E-02	3.61E-02	5.36E-02	6.83E-02	9.11E-02	1.13E-01	1.24E-01	1.29E-01	1.30E-01	1.29E-01
CD117	1.77E-01	2.95E+00	2.22E+00	1.66E+00	1.25E+00	6.99E-01	2.93E-01	1.23E-01	5.20E-02	2.18E-02	9.19E-03
IN117M	8.52E-06	1.03E+00	1.49E+00	1.61E+00	1.56E+00	1.23E+00	7.03E-01	3.60E-01	1.73E-01	8.00E-02	3.62E-02
IN117	3.43E-10	1.87E-01	4.53E-01	6.30E-01	7.03E-01	6.47E-01	4.12E-01	2.20E-01	1.10E-01	5.16E-02	2.37E-02
CD118	1.17E+01	5.03E+00	2.16E+00	9.20E-01	3.94E-01	7.21E-02	5.66E-03	4.42E-04	3.48E-05	2.72E-06	2.14E-07
IN118	7.77E-01	5.03E+00	2.16E+00	9.22E-01	3.94E-01	7.23E-02	5.66E-03	4.44E-04	3.48E-05	2.72E-06	2.14E-07
CD119	2.93E+01	4.56E-01	7.12E-03	1.11E-04	1.74E-06	4.26E-10	1.62E-15	6.20E-21	2.36E-26	9.02E-32	3.45E-37
IN119M	4.41E-02	4.94E+00	5.37E-01	5.42E-02	5.39E-03	5.31E-05	5.18E-08	5.07E-11	4.94E-14	4.83E-17	4.72E-20
IN119	2.18E+00	2.60E-01	3.01E-02	3.06E-03	3.06E-04	2.99E-06	2.93E-09	2.86E-12	2.80E-15	2.73E-18	2.66E-21
SN121	3.61E-03	3.72E-01	3.61E-01	3.53E-01	3.44E-01	3.27E-01	3.02E-01	2.81E-01	2.59E-01	2.40E-01	2.23E-01
SN123M	1.77E+00	3.30E+00	1.17E+00	4.14E-01	1.46E-01	1.83E-02	8.08E-04	3.58E-05	1.58E-06	6.99E-08	3.09E-09
SN123	1.66E-05	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03	1.74E-03
SN125	3.77E-02	3.76E-02	3.75E-02	3.74E-02	3.72E-02	3.70E-02	3.67E-02	3.63E-02	3.60E-02	3.56E-02	3.53E-02
SB125	2.26E-04	2.27E-04	2.28E-04	2.29E-04	2.30E-04	2.32E-04	2.36E-04	2.39E-04	2.42E-04	2.45E-04	2.48E-04
SB126	4.57E-03	4.56E-03	4.55E-03	4.54E-03	4.53E-03	4.50E-03	4.48E-03	4.45E-03	4.41E-03	4.38E-03	4.35E-03
SN127	3.81E+00	2.73E+00	1.97E+00	1.42E+00	1.02E+00	5.26E-01	1.95E-01	7.26E-02	2.69E-02	1.00E-02	3.72E-03
SB127	4.44E-02	1.53E-01	1.70E-01	1.81E-01	1.89E-01	1.97E-01	2.00E-01	1.98E-01	1.95E-01	1.90E-01	1.87E-01
TE127	2.51E-02	3.13E-02	3.80E-02	4.51E-02	5.21E-02	6.53E-02	8.36E-02	9.77E-02	1.09E-01	1.17E-01	1.23E-01
SN128	1.98E+01	9.78E+00	4.84E+00	2.39E+00	1.18E+00	2.89E-01	3.48E-02	4.20E-03	5.07E-04	6.15E-05	7.41E-06
SB128M	1.01E-02	1.11E+01	5.78E+00	2.85E+00	1.41E+00	3.45E-01	4.15E-02	5.01E-03	6.04E-04	7.31E-05	8.83E-06
SB128	8.36E-01	8.04E-01	7.57E-01	7.09E-01	6.62E-01	5.68E-01	4.53E-01	3.59E-01	2.85E-01	2.27E-01	1.80E-01
SN129M	1.07E+01	5.32E+00	2.67E+00	1.33E+00	6.67E-01	1.67E-01	2.09E-02	2.61E-03	3.26E-04	4.07E-05	5.09E-06
SN129	7.12E+01	6.99E-01	6.90E-03	6.81E-05	6.67E-07	6.49E-11	6.18E-17	5.91E-23	5.63E-29	5.36E-35	5.14E-41
SB129	4.01E+00	6.72E+00	6.31E+00	5.63E+00	4.96E+00	3.68E+00	2.29E+00	1.42E+00	8.74E-01	5.41E-01	3.33E-01
TE129M	7.57E-08	8.38E-04	1.73E-03	2.54E-03	3.26E-03	4.42E-03	5.59E-03	6.31E-03	6.76E-03	7.03E-03	7.21E-03
TE129	2.88E+00	3.97E+00	4.64E+00	4.82E+00	4.64E+00	3.85E+00	2.56E+00	1.61E+00	1.01E+00	6.22E-01	3.86E-01
SB130M	4.16E-01	7.84E-01	2.06E-03	5.41E-06	1.42E-08	9.83E-14	1.79E-21	3.25E-29	5.91E-37	1.07E-44	1.95E-52
SB130	7.12E+01	2.15E+01	6.13E+00	1.74E+00	4.91E-01	3.95E-02	9.02E-04	2.06E-05	4.69E-07	1.07E-08	2.44E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.98E-02	1.88E-02	1.78E-02	1.68E-02	1.59E-02	1.42E-02	1.20E-02	1.01E-02	8.57E-03	7.26E-03	6.13E-03
SB131	1.71E+02	4.46E+01	7.29E+00	1.20E+00	1.96E-01	5.29E-03	2.33E-05	1.03E-07	4.53E-10	2.00E-12	9.96E-15
TE131M	8.22E-05	4.30E-01	4.90E-01	4.91E-01	4.82E-01	4.60E-01	4.29E-01	4.01E-01	3.74E-01	3.49E-01	3.25E-01
TE131	7.56E+01	8.22E+01	2.68E+01	6.97E+00	1.69E+00	1.59E-01	7.89E-02	7.29E-02	6.80E-02	6.37E-02	5.93E-02
I131	1.10E-02	3.81E-01	5.61E-01	6.15E-01	6.26E-01	6.31E-01	6.31E-01	6.26E-01	6.26E-01	6.20E-01	6.20E-01
TE132	9.13E-01	2.22E+00	2.20E+00	2.18E+00	2.16E+00	2.12E+00	2.06E+00	2.01E+00	1.96E+00	1.90E+00	1.85E+00
I132	2.24E+00	2.24E+00	2.23E+00	2.22E+00	2.20E+00	2.17E+00	2.12E+00	2.07E+00	2.01E+00	1.96E+00	1.91E+00
TE133M	1.05E-01	3.63E+01	1.58E+01	6.88E+00	2.99E+00	5.69E-01	4.68E-02	3.86E-03	3.18E-04	2.62E-05	2.16E-06
TE133	5.89E+02	3.34E+01	3.71E+00	1.23E+00	5.19E-01	9.83E-02	8.13E-03	6.68E-04	5.54E-05	4.55E-06	3.76E-07
I133	9.13E-01	9.83E+00	1.06E+01	1.06E+01	1.04E+01	9.88E+00	8.98E+00	8.13E+00	7.33E+00	6.68E+00	6.04E+00
XE133M	3.89E-08	2.21E-03	5.34E-03	8.53E-03	1.16E-02	1.75E-02	2.53E-02	3.21E-02	3.78E-02	4.27E-02	4.68E-02
XE133	6.78E-07	3.86E-02	9.38E-02	1.50E-01	2.05E-01	3.11E-01	4.56E-01	5.84E-01	6.98E-01	7.98E-01	8.88E-01
TE134	1.88E+02	8.71E+01	3.24E+01	1.21E+01	4.47E+00	6.20E-01	3.17E-02	1.62E-03	8.32E-05	4.27E-06	2.19E-07
I134	8.61E+01	1.15E+02	8.07E+01	4.73E+01	2.54E+01	6.45E+00	7.09E-01	7.23E-02	7.09E-03	6.79E-04	6.45E-05
I135	1.55E+01	2.73E+01	2.47E+01	2.22E+01	2.01E+01	1.63E+01	1.20E+01	8.74E+00	6.42E+00	4.73E+00	3.45E+00
XE135M	1.72E-03	7.89E+00	7.67E+00	6.96E+00	6.24E+00	5.08E+00	3.73E+00	2.73E+00	2.01E+00	1.47E+00	1.08E+00
XE135	1.79E+00	3.54E+00	5.17E+00	6.51E+00	7.58E+00	9.10E+00	1.01E+01	1.01E+01	9.63E+00	8.79E+00	7.85E+00
CS136	9.15E-04	9.13E-04	9.11E-04	9.10E-04	9.07E-04	9.02E-04	8.96E-04	8.91E-04	8.85E-04	8.79E-04	8.73E-04
CS137	7.06E-05	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04
BA137M	1.49E-07	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04
XE138	6.03E+02	5.18E+01	4.51E+00	3.90E-01	3.38E-02	2.54E-04	1.65E-07	1.07E-10	6.96E-14	4.52E-17	2.94E-20
CS138	8.97E+01	1.51E+02	5.23E+01	1.54E+01	4.31E+00	3.28E-01	6.82E-03	1.42E-04	2.94E-06	6.12E-08	1.27E-09
CS139	4.73E+02	1.51E+01	1.89E-01	2.38E-03	2.98E-05	4.68E-09	9.32E-15	1.84E-20	3.65E-26	7.23E-32	1.43E-37
BA139	8.73E+00	9.73E+01	6.00E+01	3.65E+01	2.21E+01	8.09E+00	1.80E+00	3.99E-01	8.87E-02	1.96E-02	4.36E-03
BA140	9.53E-02	5.94E-01	5.94E-01	5.90E-01	5.90E-01	5.85E-01	5.85E-01	5.81E-01	5.76E-01	5.72E-01	5.67E-01
LA140	2.26E-07	1.02E-02	2.01E-02	2.99E-02	3.95E-02	5.81E-02	8.48E-02	1.10E-01	1.33E-01	1.56E-01	1.76E-01
BA141	1.27E+02	3.85E+01	3.82E+00	3.79E-01	3.76E-02	3.73E-04	3.64E-07	3.55E-10	3.46E-13	3.40E-16	3.31E-19
LA141	1.18E+00	2.49E+01	2.33E+01	1.97E+01	1.65E+01	1.16E+01	6.80E+00	3.97E+00	2.34E+00	1.37E+00	8.04E-01
CE141	1.46E-07	1.62E-02	3.79E-02	5.70E-02	7.31E-02	9.80E-02	1.22E-01	1.35E-01	1.43E-01	1.48E-01	1.50E-01
BA142	2.52E+02	1.00E+01	2.28E-01	5.20E-03	1.19E-04	6.16E-08	7.31E-13	8.68E-18	1.03E-22	1.22E-27	1.45E-32
LA142	5.78E+00	4.01E+01	2.64E+01	1.68E+01	1.07E+01	4.33E+00	1.12E+00	2.88E-01	7.42E-02	1.91E-02	4.93E-03
LA143	9.46E+01	1.85E+01	9.46E-01	4.86E-02	2.50E-03	6.54E-06	8.82E-10	1.19E-13	1.60E-17	2.16E-21	2.92E-25
CE143	3.78E-02	2.41E+00	2.50E+00	2.43E+00	2.39E+00	2.30E+00	2.15E+00	2.02E+00	1.90E+00	1.78E+00	1.67E+00
PR143	1.11E-08	3.69E-03	8.91E-03	1.41E-02	1.91E-02	2.90E-02	4.27E-02	5.57E-02	6.77E-02	7.89E-02	8.93E-02
CE144	1.72E-03	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
PR144	4.71E-07	1.12E-02	1.22E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
PR145	6.99E-02	1.03E+01	9.13E+00	8.13E+00	7.25E+00	5.74E+00	4.05E+00	2.86E+00	2.03E+00	1.43E+00	1.01E+00
CE146	2.28E+02	1.17E+01	6.00E-01	3.07E-02	1.58E-03	4.16E-06	5.60E-10	7.55E-14	1.02E-17	1.37E-21	1.85E-25
PR146	4.72E+00	4.11E+01	9.31E+00	1.75E+00	3.15E-01	9.90E-03	5.47E-05	3.02E-07	1.67E-09	9.23E-12	5.04E-14
PR147	2.68E+01	7.77E+00	2.42E-01	7.57E-03	2.37E-04	2.31E-07	7.06E-12	2.16E-16	6.58E-21	2.01E-25	6.12E-30

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.58E-06	1.80E-01	1.85E-01	1.85E-01	1.85E-01	1.84E-01	1.82E-01	1.81E-01	1.79E-01	1.78E-01	1.77E-01
ND149	1.70E+01	1.16E+01	7.86E+00	5.36E+00	3.63E+00	1.69E+00	5.30E-01	1.67E-01	5.26E-02	1.66E-02	5.23E-03
PM149	2.37E-03	1.85E-01	3.07E-01	3.88E-01	4.40E-01	4.94E-01	5.14E-01	5.04E-01	4.91E-01	4.72E-01	4.56E-01
PM150	1.90E-01	1.47E-01	1.14E-01	8.78E-02	6.79E-02	4.07E-02	1.89E-02	8.72E-03	4.04E-03	1.87E-03	8.66E-04
ND151	7.36E+01	2.30E+00	7.19E-02	2.25E-03	7.03E-05	6.87E-08	2.10E-12	6.41E-17	1.95E-21	5.95E-26	1.82E-30
PM151	4.66E-02	5.45E-01	5.49E-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	1.16E+02	1.13E-01	1.10E-04	1.08E-07	1.05E-10	1.00E-16	9.35E-26	8.72E-35	8.13E-44	7.59E-53	7.05E-62
SM153	1.67E-01	1.64E-01	1.62E-01	1.60E-01	1.57E-01	1.53E-01	1.46E-01	1.40E-01	1.34E-01	1.28E-01	1.22E-01
SM155	6.78E+00	1.11E+00	1.83E-01	2.99E-02	4.89E-03	1.32E-04	5.81E-07	2.56E-09	1.13E-11	5.03E-14	1.23E-16
EU155	4.98E-06	1.42E-04	1.65E-04	1.68E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04
SM156	1.41E-01	1.31E-01	1.22E-01	1.13E-01	1.05E-01	9.07E-02	7.27E-02	5.83E-02	4.68E-02	3.75E-02	3.00E-02
EU156	4.13E-04	6.74E-04	9.15E-04	1.14E-03	1.35E-03	1.72E-03	2.19E-03	2.53E-03	2.83E-03	3.06E-03	3.22E-03
EU157	1.60E-02	5.30E-02	5.06E-02	4.84E-02	4.61E-02	4.22E-02	3.68E-02	3.21E-02	2.80E-02	2.44E-02	2.13E-02
EU158	4.85E-01	1.96E-01	7.94E-02	3.22E-02	1.30E-02	2.13E-03	1.42E-04	9.41E-06	6.25E-07	4.15E-08	2.76E-09
EU159	6.72E-01	6.68E-02	6.62E-03	6.57E-04	6.51E-05	6.42E-07	6.28E-10	6.13E-13	5.98E-16	5.85E-19	5.71E-22
GD159	2.88E-03	1.26E-02	1.31E-02	1.27E-02	1.22E-02	1.13E-02	1.01E-02	9.01E-03	8.01E-03	7.14E-03	6.36E-03
TB161	4.82E-05	3.47E-04	3.45E-04	3.44E-04	3.42E-04	3.39E-04	3.36E-04	3.31E-04	3.27E-04	3.23E-04	3.19E-04
TOTAL	1.36E+04	2.66E+03	9.44E+02	5.60E+02	4.21E+02	3.05E+02	2.28E+02	1.84E+02	1.54E+02	1.32E+02	1.15E+02

MIKE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	8.39E-05	8.29E-05	8.18E-05	7.87E-05	7.38E-05	6.47E-05	5.68E-05	4.37E-05	2.29E-05	6.22E-06	1.69E-06
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	5.27E-04	5.22E-04	5.22E-04	5.13E-04	5.08E-04	4.99E-04	4.90E-04	4.66E-04	4.16E-04	3.31E-04	2.64E-04
FE 55	2.20E-04	2.20E-04	2.20E-04	2.19E-04	2.19E-04	2.18E-04	2.15E-04	2.13E-04	2.04E-04	1.91E-04	1.77E-04
FE 59	1.14E-03	1.13E-03	1.11E-03	1.06E-03	9.81E-04	8.41E-04	7.21E-04	5.30E-04	2.46E-04	5.25E-05	1.13E-05
CO 57	7.07E-06	7.07E-06	7.02E-06	7.02E-06	6.91E-06	6.70E-06	6.55E-06	6.23E-06	5.50E-06	4.25E-06	3.29E-06
CO 58	5.63E-04	5.58E-04	5.52E-04	5.35E-04	5.11E-04	4.63E-04	4.20E-04	3.46E-04	2.13E-04	8.06E-05	3.04E-05
CO 60	5.73E-06	5.73E-06	5.73E-06	5.73E-06	5.70E-06	5.70E-06	5.66E-06	5.63E-06	5.49E-06	5.32E-06	5.12E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.31E+00	1.18E+00	1.07E+00	7.85E-01	4.69E-01	1.68E-01	6.03E-02	7.70E-03	4.55E-05	4.89E-09	3.30E-09
U240	4.54E+01	1.40E+01	4.29E+00	1.24E-01	3.41E-04	2.56E-09	1.93E-14	1.09E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.52E-02	2.31E+01	1.72E+01	7.11E+00	1.63E+00	8.51E-02	4.45E-03	1.22E-05	4.80E-12	1.15E-21	1.15E-21
NP240M	7.18E-02	1.41E+01	4.32E+00	1.25E-01	3.44E-04	2.59E-09	1.95E-14	1.10E-24	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	1.16E-02	7.31E-03	1.67E-03	2.02E-05	1.29E-08	5.20E-15	2.10E-21	3.43E-34	0.	0.	0.
AS 77	1.20E-04	1.77E-02	1.28E-02	3.71E-03	4.34E-04	5.89E-06	8.00E-08	1.47E-11	6.84E-21	1.47E-39	3.15E-58
SE 77M	4.73E-09	5.33E-05	3.84E-05	1.11E-05	1.30E-06	1.77E-08	2.40E-10	4.43E-14	2.05E-23	4.39E-42	9.46E-61
AS 78	2.25E-02	2.00E-04	5.86E-09	4.95E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	4.81E-04	3.00E-04	1.88E-04	4.56E-05	4.32E-06	3.88E-08	3.48E-10	2.81E-14	1.64E-24	5.64E-45	1.92E-65
BR 83	3.74E-01	9.86E-03	9.91E-06	1.01E-14	1.03E-29	0.	0.	0.	0.	0.	0.
KR 83M	1.93E-05	4.31E-02	4.90E-05	4.40E-14	4.52E-29	0.	0.	0.	0.	0.	0.
KR 85M	3.72E-03	2.13E-01	4.85E-03	5.75E-08	3.55E-16	1.35E-32	5.11E-49	0.	0.	0.	0.
KR 85	3.85E-06	1.01E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.02E-04	9.97E-05	9.82E-05
KR 87	4.70E+01	9.28E-05	1.84E-10	1.42E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.85E+01	7.49E-02	1.96E-04	3.57E-12	4.49E-25	0.	0.	0.	0.	0.	0.
RB 88	7.23E+00	8.35E-02	2.20E-04	3.99E-12	5.01E-25	0.	0.	0.	0.	0.	0.
SR 89	2.72E-06	8.14E-02	8.03E-02	7.71E-02	7.23E-02	6.32E-02	5.52E-02	4.25E-02	2.17E-02	5.72E-03	1.51E-03
SR 90	5.17E-06	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.31E-04	5.27E-04	5.27E-04	5.22E-04
Y 90	7.67E-12	1.22E-04	2.15E-04	3.87E-04	4.94E-04	5.27E-04	5.31E-04	5.31E-04	5.27E-04	5.27E-04	5.22E-04
SR 91	6.21E-01	2.22E+00	3.99E-01	2.29E-03	4.18E-07	1.42E-14	4.81E-22	5.47E-37	0.	0.	0.

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.18E-05	1.44E+00	2.57E-01	1.48E-03	2.71E-07	9.14E-15	3.09E-22	3.53E-37	0.	0.	0.
Y 91	1.71E-08	6.84E-02	8.09E-02	8.09E-02	7.62E-02	6.76E-02	6.02E-02	4.77E-02	2.64E-02	8.13E-03	2.50E-03
SR 92	4.71E+00	5.87E-02	1.27E-04	1.27E-12	5.96E-26	0.	0.	0.	0.	0.	0.
Y 92	2.17E-01	6.15E-01	6.83E-03	5.26E-09	3.07E-19	1.05E-39	3.59E-60	0.	0.	0.	0.
Y 93	2.52E-01	1.70E+00	3.32E-01	2.49E-03	7.17E-07	5.93E-14	4.89E-21	3.34E-35	0.	0.	0.
ZR 95	5.11E-04	6.39E-02	6.32E-02	6.12E-02	5.81E-02	5.20E-02	4.69E-02	3.79E-02	2.22E-02	7.65E-03	2.62E-03
NB 95M	1.09E-11	2.16E-04	3.95E-04	7.53E-04	1.02E-03	1.07E-03	9.89E-04	8.03E-04	4.71E-04	1.62E-04	5.58E-05
NB 95	5.70E-11	1.24E-03	2.44E-03	5.85E-03	1.09E-02	1.88E-02	2.42E-02	3.00E-02	2.89E-02	1.39E-02	5.34E-03
ZR 97	1.36E+00	2.31E+00	8.68E-01	4.60E-02	3.45E-04	1.94E-08	1.09E-12	3.45E-21	1.95E-42	0.	0.
NB 97M	6.98E-03	2.22E+00	8.33E-01	4.43E-02	3.31E-04	1.87E-08	1.05E-12	3.31E-21	1.87E-42	0.	0.
NB 97	6.79E-01	2.32E+00	8.71E-01	4.62E-02	3.48E-04	2.09E-08	1.18E-12	3.73E-21	2.10E-42	0.	0.
MO 99	4.11E-03	1.34E+00	1.04E+00	4.95E-01	1.43E-01	1.20E-02	9.98E-04	6.97E-06	2.83E-11	4.66E-22	7.67E-33
TC 99M	3.82E-08	1.18E+00	9.90E-01	4.74E-01	1.37E-01	1.14E-02	9.53E-04	6.65E-06	2.70E-11	4.45E-22	7.33E-33
RU103	9.81E-05	2.24E-01	2.19E-01	2.08E-01	1.91E-01	1.60E-01	1.35E-01	9.50E-02	3.95E-02	6.86E-03	1.19E-03
RH103M	6.54E-09	2.24E-01	2.20E-01	2.09E-01	1.91E-01	1.60E-01	1.35E-01	9.50E-02	3.96E-02	6.86E-03	1.19E-03
RU105	6.33E-01	6.06E-01	1.42E-02	1.87E-07	1.37E-15	7.31E-32	3.92E-48	0.	0.	0.	0.
RH105M	4.17E-03	6.06E-01	1.43E-02	1.88E-07	1.37E-15	7.35E-32	3.93E-48	0.	0.	0.	0.
RH105	6.84E-09	2.19E+00	1.43E+00	3.56E-01	3.51E-02	3.41E-04	3.32E-06	3.13E-10	2.71E-20	2.04E-40	1.53E-60
RU106	5.97E-04	1.13E-02	1.13E-02	1.12E-02	1.11E-02	1.09E-02	1.07E-02	1.03E-02	9.34E-03	7.73E-03	6.41E-03
RH106	6.46E-06	1.13E-02	1.13E-02	1.12E-02	1.11E-02	1.09E-02	1.07E-02	1.03E-02	9.34E-03	7.73E-03	6.41E-03
PD109	1.70E-02	4.34E-01	1.26E-01	3.14E-03	6.60E-06	2.94E-11	1.31E-16	2.59E-27	0.	0.	0.
AG109M	9.83E-05	4.34E-01	1.27E-01	3.14E-03	6.64E-06	2.95E-11	1.31E-16	2.60E-27	0.	0.	0.
PD111M	1.93E+00	9.36E-02	4.55E-03	5.22E-07	1.41E-13	1.03E-26	7.56E-40	0.	0.	0.	0.
PD111	6.87E-01	7.56E-02	3.66E-03	4.20E-07	1.14E-13	8.28E-27	6.07E-40	0.	0.	0.	0.
AG111M	5.46E-03	9.86E-02	4.80E-03	5.52E-07	1.49E-13	1.09E-26	7.99E-40	0.	0.	0.	0.
AG111	1.94E-09	5.36E-02	5.16E-02	3.92E-02	2.47E-02	9.79E-03	3.89E-03	6.13E-04	6.03E-06	5.84E-10	5.66E-14
PD112	5.74E-01	2.61E-01	1.18E-01	1.10E-02	2.08E-04	7.56E-08	2.75E-11	3.60E-18	2.27E-35	0.	0.
AG112	1.73E-05	3.03E-01	1.39E-01	1.29E-02	2.47E-04	8.92E-08	3.24E-11	4.27E-18	2.68E-35	0.	0.
AG113	6.80E-03	7.19E-02	3.11E-03	2.52E-07	3.86E-14	9.04E-28	2.11E-41	0.	0.	0.	0.
CD115M	2.02E-08	5.85E-04	5.75E-04	5.48E-04	5.07E-04	4.30E-04	3.67E-04	2.65E-04	1.19E-04	2.36E-05	4.71E-06
CD115	7.82E-06	1.18E-01	8.62E-02	3.40E-02	7.17E-03	3.20E-04	1.43E-05	2.85E-08	5.03E-15	1.58E-28	4.93E-42
IN115M	9.74E-11	1.24E-01	9.41E-02	3.71E-02	7.82E-03	3.50E-04	1.56E-05	3.10E-08	5.50E-15	1.72E-28	5.38E-42
CD117	1.77E-01	3.87E-03	3.76E-06	3.51E-15	3.12E-30	0.	0.	0.	0.	0.	0.
IN117M	8.52E-06	1.61E-02	1.86E-05	1.79E-14	1.59E-29	0.	0.	0.	0.	0.	0.
IN117	3.43E-10	1.06E-02	1.25E-05	1.21E-14	1.08E-29	0.	0.	0.	0.	0.	0.
SN121	3.61E-03	2.06E-01	1.11E-01	1.75E-02	8.03E-04	1.70E-06	3.57E-09	1.59E-14	6.65E-28	0.	0.
SN123	1.66E-05	1.74E-03	1.72E-03	1.69E-03	1.64E-03	1.55E-03	1.47E-03	1.32E-03	9.99E-04	5.74E-04	3.30E-04
SN125	3.77E-02	3.50E-02	3.26E-02	2.61E-02	1.80E-02	8.63E-03	4.12E-03	9.43E-04	2.36E-05	1.49E-08	9.31E-12
SB125	2.26E-04	2.51E-04	2.74E-04	3.35E-04	4.11E-04	4.98E-04	5.36E-04	5.59E-04	5.48E-04	5.12E-04	4.77E-04
SB126	4.57E-03	4.32E-03	4.09E-03	3.46E-03	2.62E-03	1.50E-03	8.68E-04	2.86E-04	1.79E-05	8.68E-08	1.74E-08

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	3.81E+00	1.38E-03	5.01E-07	2.39E-17	1.50E-34	0.	0.	0.	0.	0.	0.
SB127	4.44E-02	1.83E-01	1.53E-01	8.91E-02	3.65E-02	6.10E-03	1.02E-03	2.85E-05	3.72E-09	6.35E-17	1.08E-24
TE127M	3.60E-10	2.78E-04	5.10E-04	9.89E-04	1.37E-03	1.51E-03	1.45E-03	1.29E-03	9.40E-04	4.96E-04	2.63E-04
TE127	2.51E-02	1.31E-01	1.28E-01	7.81E-02	3.30E-02	6.78E-03	2.32E-03	1.30E-03	9.28E-04	4.91E-04	2.59E-04
SB128	8.36E-01	1.42E-01	2.25E-02	8.78E-05	8.51E-09	7.99E-17	7.52E-25	6.62E-41	0.	0.	0.
SB129	4.01E+00	2.05E-01	4.28E-03	3.90E-08	1.55E-16	2.45E-33	3.86E-50	0.	0.	0.	0.
TE129M	7.57E-08	7.98E-03	7.98E-03	7.53E-03	6.81E-03	5.54E-03	4.51E-03	3.00E-03	1.08E-03	1.41E-04	1.83E-05
TE129	2.88E+00	2.40E-01	1.00E-02	4.82E-03	4.35E-03	3.55E-03	2.89E-03	1.92E-03	6.94E-04	9.06E-05	1.18E-05
I130	1.98E-02	5.18E-03	1.36E-03	2.43E-05	2.96E-08	4.41E-14	6.58E-20	1.47E-31	0.	0.	0.
TE131M	8.22E-05	2.87E-01	1.65E-01	3.12E-02	1.95E-03	7.62E-06	2.98E-08	4.55E-13	4.14E-25	0.	0.
TE131	7.56E+01	5.24E-02	3.01E-02	5.71E-03	3.56E-04	1.39E-06	5.44E-09	8.33E-14	7.56E-26	0.	0.
I131	1.10E-02	5.93E-01	5.61E-01	4.51E-01	2.97E-01	1.25E-01	5.30E-02	9.47E-03	1.28E-04	2.33E-08	4.24E-12
XE131M	2.98E-11	2.75E-04	5.22E-04	1.09E-03	1.56E-03	1.54E-03	1.14E-03	4.72E-04	3.15E-05	9.41E-08	2.66E-10
TE132	9.13E-01	1.81E+00	1.46E+00	7.69E-01	2.65E-01	3.14E-02	3.72E-03	5.23E-05	1.22E-09	6.69E-19	3.65E-28
I132	2.24E+00	1.86E+00	1.50E+00	7.91E-01	2.73E-01	3.24E-02	3.83E-03	5.39E-05	1.26E-09	6.86E-19	3.76E-28
I133	9.13E-01	5.09E+00	2.29E+00	2.13E-01	4.06E-03	1.47E-06	5.34E-10	7.03E-17	4.42E-34	0.	0.
XE133M	3.89E-08	4.80E-02	5.69E-02	3.34E-02	7.83E-03	3.68E-04	1.71E-05	3.71E-08	8.13E-15	3.89E-28	1.86E-41
XE133	6.78E-07	9.23E-01	1.24E+00	1.11E+00	6.04E-01	1.63E-01	4.38E-02	3.16E-03	4.40E-06	8.53E-12	1.66E-17
I135	1.55E+01	2.53E+00	2.11E-01	1.23E-04	4.99E-10	8.25E-21	1.36E-31	3.68E-53	0.	0.	0.
XE135M	1.72E-03	7.89E-01	6.60E-02	3.84E-05	1.56E-10	2.57E-21	4.23E-32	1.15E-53	0.	0.	0.
XE135	1.79E+00	6.82E+00	1.67E+00	9.54E-03	1.17E-06	1.64E-14	2.30E-22	4.55E-38	0.	0.	0.
CS136	9.15E-04	8.67E-04	8.22E-04	7.01E-04	5.37E-04	3.15E-04	1.85E-04	6.37E-05	4.42E-06	2.13E-08	1.03E-10
CS137	7.06E-05	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.57E-04	7.52E-04	7.48E-04
BA137M	1.49E-07	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.06E-04	7.02E-04	6.97E-04
BA139	8.73E+00	9.32E-04	5.50E-09	1.13E-24	0.	0.	0.	0.	0.	0.	0.
BA140	9.53E-02	5.62E-01	5.35E-01	4.54E-01	3.46E-01	2.01E-01	1.17E-01	3.97E-02	2.65E-03	1.18E-05	5.22E-08
LA140	2.26E-07	1.96E-01	3.15E-01	4.36E-01	3.87E-01	2.32E-01	1.35E-01	4.58E-02	3.04E-03	1.36E-05	6.03E-08
LA141	1.18E+00	4.67E-01	6.55E-03	1.81E-08	9.92E-18	2.96E-36	8.83E-55	0.	0.	0.	0.
CE141	1.46E-07	1.61E-01	1.60E-01	1.50E-01	1.35E-01	1.09E-01	8.80E-02	5.73E-02	1.97E-02	2.32E-03	2.73E-04
LA142	5.78E+00	1.27E-03	2.45E-08	1.80E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.78E-02	1.55E+00	9.40E-01	2.07E-01	1.66E-02	1.08E-04	6.96E-07	2.92E-11	3.29E-22	0.	0.
PR143	1.11E-08	9.95E-02	1.55E-01	2.00E-01	1.71E-01	1.04E-01	6.30E-02	2.28E-02	1.82E-03	1.16E-05	7.34E-08
CE144	1.72E-03	1.23E-02	1.22E-02	1.21E-02	1.20E-02	1.17E-02	1.14E-02	1.09E-02	9.62E-03	7.54E-03	5.92E-03
PR144	4.71E-07	1.23E-02	1.22E-02	1.21E-02	1.20E-02	1.17E-02	1.14E-02	1.09E-02	9.62E-03	7.54E-03	5.92E-03
PR145	6.99E-02	7.15E-01	4.42E-02	1.05E-05	9.56E-12	7.92E-24	6.57E-36	0.	0.	0.	0.
ND147	9.58E-06	1.61E-01	1.51E-01	1.26E-01	9.19E-02	4.93E-02	2.63E-02	7.57E-03	3.32E-04	6.46E-07	1.25E-09
PM147	2.66E-14	1.20E-04	2.33E-04	5.33E-04	9.21E-04	1.41E-03	1.66E-03	1.85E-03	1.87E-03	1.74E-03	1.62E-03
ND149	1.70E+01	1.64E-03	1.59E-07	1.45E-19	1.24E-39	0.	0.	0.	0.	0.	0.
PM149	2.37E-03	4.36E-01	3.20E-01	1.25E-01	2.61E-02	1.14E-03	4.94E-05	9.40E-08	1.48E-14	3.66E-28	9.12E-42
PM150	1.90E-01	4.01E-04	8.45E-07	7.94E-15	3.32E-28	0.	0.	0.	0.	0.	0.

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.66E-02	3.18E-01	1.75E-01	2.95E-02	1.51E-03	3.97E-06	1.05E-08	7.23E-14	9.07E-27	0.	0.
SM153	1.67E-01	1.17E-01	8.23E-02	2.84E-02	4.83E-03	1.41E-04	4.08E-06	3.43E-09	7.07E-17	3.01E-32	1.28E-47
SM156	1.41E-01	2.41E-02	4.11E-03	2.02E-05	2.92E-09	5.99E-17	1.24E-24	5.26E-40	0.	0.	0.
EU155	4.98E-06	1.69E-04	1.69E-04	1.69E-04	1.68E-04	1.67E-04	1.67E-04	1.65E-04	1.62E-04	1.56E-04	1.50E-04
EU156	4.13E-04	3.36E-03	3.73E-03	3.34E-03	2.65E-03	1.67E-03	1.05E-03	4.17E-04	4.13E-05	4.07E-07	4.01E-09
EU157	1.60E-02	1.85E-02	6.22E-03	2.33E-04	9.80E-07	1.73E-11	3.06E-16	9.52E-26	0.	0.	0.
GD159	2.88E-03	5.67E-03	2.26E-03	1.41E-04	1.38E-06	1.34E-10	1.30E-14	1.22E-22	1.04E-42	0.	0.
TB161	4.82E-05	3.15E-04	2.84E-04	2.10E-04	1.27E-04	4.66E-05	1.71E-05	2.29E-06	1.51E-08	6.54E-13	2.84E-17
TOTAL	2.84E+02	1.01E+02	4.81E+01	1.59E+01	5.85E+00	1.95E+00	1.13E+00	6.04E-01	2.56E-01	8.97E-02	4.56E-02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	8.39E-05	7.25E-07	6.74E-08	6.26E-09	5.04E-12	4.03E-15	3.01E-19	1.93E-25	0.	0.	0.
MN 54	5.27E-04	2.27E-04	1.50E-04	9.84E-05	2.81E-05	8.02E-06	1.51E-06	1.24E-07	2.90E-11	1.05E-16	3.80E-22
FE 59	1.14E-03	4.13E-06	2.48E-07	1.49E-08	3.23E-12	6.99E-16	9.10E-21	4.27E-28	0.	0.	0.
CO 57	7.07E-06	2.79E-06	1.74E-06	1.09E-06	2.70E-07	6.65E-08	1.03E-09	6.23E-10	5.45E-14	4.47E-20	0.
CO 58	5.63E-04	1.62E-05	2.74E-06	4.64E-07	2.26E-09	1.10E-11	9.08E-15	2.15E-19	8.23E-35	0.	0.
CO 60	5.73E-06	5.02E-06	4.68E-06	4.37E-06	3.59E-06	2.95E-06	2.27E-06	1.53E-06	4.10E-07	5.70E-08	7.87E-09
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	1.31E+00	3.27E-09	3.18E-09	3.10E-09	2.90E-09	2.69E-09	2.45E-09	2.12E-09	1.32E-09	6.48E-10	3.18E-10
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	3.85E-06	9.57E-05	9.27E-05	8.98E-05	8.18E-05	7.39E-05	6.50E-05	5.36E-05	2.83E-05	1.08E-05	4.13E-06
SR 89	2.72E-06	6.36E-04	5.56E-05	4.89E-06	3.29E-09	2.22E-12	1.31E-16	5.96E-23	4.33E-44	0.	0.
SR 90	5.17E-06	5.17E-04	5.13E-04	5.08E-04	4.89E-04	4.70E-04	4.48E-04	4.16E-04	3.25E-04	2.24E-04	1.55E-04
Y 90	7.67E-12	5.17E-04	5.13E-04	5.08E-04	4.89E-04	4.70E-04	4.48E-04	4.16E-04	3.25E-04	2.24E-04	1.55E-04
Y 91	1.71E-08	1.16E-03	1.34E-04	1.56E-05	2.45E-08	3.84E-11	7.03E-15	1.73E-20	3.49E-39	0.	0.
ZR 95	5.11E-04	1.31E-03	1.87E-04	2.67E-05	7.78E-08	2.26E-10	9.37E-14	7.92E-19	9.69E-36	0.	0.
NB 95M	1.09E-11	2.78E-05	3.97E-06	5.67E-07	1.65E-09	4.80E-12	1.99E-15	1.68E-20	2.06E-37	0.	0.
NB 95	5.70E-11	2.83E-03	4.06E-04	5.78E-05	1.68E-07	4.87E-10	2.03E-13	1.72E-18	2.10E-35	0.	0.
RU103	9.81E-05	3.81E-04	1.56E-05	6.41E-07	4.38E-11	3.00E-15	8.43E-21	3.96E-29	0.	0.	0.
RH103M	6.54E-09	3.82E-04	1.56E-05	6.41E-07	4.38E-11	3.01E-15	8.43E-21	3.97E-29	0.	0.	0.
RU106	5.97E-04	5.68E-03	4.02E-03	2.85E-03	1.01E-03	3.60E-04	9.05E-05	1.14E-05	1.15E-08	3.71E-13	1.19E-17
RH106	6.46E-06	5.68E-03	4.02E-03	2.85E-03	1.01E-03	3.60E-04	9.05E-05	1.14E-05	1.15E-08	3.71E-13	1.19E-17
SN123	1.66E-05	2.30E-04	8.34E-05	3.03E-05	1.45E-06	6.97E-08	1.22E-09	2.80E-12	4.49E-21	2.89E-34	1.86E-47
SB125	2.26E-04	4.55E-04	4.00E-04	3.52E-04	2.40E-04	1.63E-04	9.76E-05	4.52E-05	3.47E-06	7.39E-08	1.57E-09
TE125M	6.09E-12	1.86E-04	1.65E-04	1.46E-04	9.94E-05	6.76E-05	4.04E-05	1.87E-05	1.44E-06	3.06E-08	6.51E-10
TE127M	3.60E-10	1.72E-04	5.38E-05	1.68E-05	5.18E-07	1.59E-08	1.53E-10	1.44E-13	1.18E-23	8.85E-39	6.59E-54
TE127	2.51E-02	1.70E-04	5.32E-05	1.67E-05	5.12E-07	1.58E-08	1.51E-10	1.43E-13	1.17E-23	8.73E-39	6.53E-54
CS137	7.06E-05	7.44E-04	7.35E-04	7.27E-04	7.02E-04	6.76E-04	6.47E-04	6.04E-04	4.78E-04	3.39E-04	2.40E-04
BA137M	1.49E-07	6.97E-04	6.89E-04	6.81E-04	6.55E-04	6.34E-04	6.04E-04	5.66E-04	4.48E-04	3.17E-04	2.24E-04
CE141	1.46E-07	6.28E-05	1.26E-06	2.54E-08	2.07E-13	1.68E-18	2.76E-25	1.83E-35	0.	0.	0.
CE144	1.72E-03	5.04E-03	3.24E-03	2.07E-03	5.43E-04	1.43E-04	2.40E-05	1.66E-06	2.23E-10	3.50E-16	5.45E-22
PR144	4.71E-07	5.04E-03	3.24E-03	2.07E-03	5.43E-04	1.43E-04	2.40E-05	1.66E-06	2.23E-10	3.50E-16	5.45E-22
PM147	2.66E-14	1.55E-03	1.35E-03	1.19E-03	7.97E-04	5.36E-04	3.15E-04	1.43E-04	1.01E-05	1.92E-07	3.63E-09
EU155	4.98E-06	1.46E-04	1.36E-04	1.26E-04	1.01E-04	8.15E-05	6.08E-05	3.93E-05	9.18E-06	1.03E-06	1.16E-07
TOTAL	1.34E+00	3.40E-02	2.03E-02	1.44E-02	6.80E-03	4.19E-03	2.96E-03	2.33E-03	1.63E-03	1.12E-03	7.79E-04

1 MIKE

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

PAGE 2

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.23E+02	1.32E+04
1.00E+00	3.75E+01	2.51E+03
2.00E+00	1.45E+01	9.43E+02
3.00E+00	7.41E+00	5.53E+02
4.00E+00	4.46E+00	3.95E+02
6.00E+00	2.26E+00	2.60E+02
9.00E+00	1.35E+00	1.79E+02
1.20E+01	1.00E+00	1.38E+02
1.50E+01	7.90E-01	1.11E+02
1.80E+01	6.45E-01	9.28E+01
2.10E+01	5.39E-01	7.91E+01
1.00E+00 DAYS	4.54E-01	6.77E+01
2.00E+00	2.06E-01	3.04E+01
5.00E+00	8.73E-02	1.11E+01
1.00E+01	4.14E-02	5.05E+00
2.00E+01	1.60E-02	2.07E+00
3.00E+01	8.79E-03	1.24E+00
5.00E+01	3.61E-03	6.68E-01
1.00E+02	8.62E-04	2.67E-01
2.00E+02	2.16E-04	8.23E-02
3.00E+02	9.17E-05	4.02E-02
1.00E+00 YEARS	6.41E-05	3.05E-02
1.50E+00	3.75E-05	1.94E-02
2.00E+00	2.87E-05	1.45E-02
3.50E+00	1.72E-05	7.58E-03
5.00E+00	1.27E-05	5.05E-03
7.00E+00	1.03E-05	3.82E-03
1.00E+01	8.74E-06	3.19E-03
2.00E+01	6.52E-06	2.36E-03
3.50E+01	4.61E-06	1.63E-03
5.00E+01	3.25E-06	1.14E-03

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.45E-05	2.45E-05	2.45E-05	2.45E-05	2.45E-05	2.45E-05	2.44E-05	2.44E-05	2.43E-05	2.43E-05	2.42E-05
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.53E-04	1.53E-04	1.53E-04	1.53E-04
FE 55	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05	6.44E-05
FE 59	3.35E-04	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.33E-04	3.32E-04	3.31E-04	3.31E-04	3.30E-04
CO 57	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06	2.07E-06
CO 58	1.64E-04	1.64E-04	1.64E-04	1.64E-04	1.64E-04	1.64E-04	1.64E-04	1.64E-04	1.63E-04	1.63E-04	1.63E-04
CO 60	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.68E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	3.83E-01	3.81E-01	3.80E-01	3.78E-01	3.76E-01	3.73E-01	3.68E-01	3.64E-01	3.59E-01	3.54E-01	3.50E-01
U239	1.30E+03	2.21E+02	3.77E+01	6.42E+00	1.09E+00	3.18E-02	1.57E-04	7.77E-07	3.84E-09	1.90E-11	9.41E-14
U240	1.33E+01	1.26E+01	1.20E+01	1.15E+01	1.09E+01	9.88E+00	8.53E+00	7.35E+00	6.34E+00	5.47E+00	4.71E+00
NP239	4.43E-03	7.43E+00	8.59E+00	8.72E+00	8.66E+00	8.45E+00	8.11E+00	7.84E+00	7.57E+00	7.29E+00	7.02E+00
NP240M	2.10E-02	1.27E+01	1.21E+01	1.16E+01	1.10E+01	9.96E+00	8.60E+00	7.42E+00	6.39E+00	5.52E+00	4.76E+00
NP240	5.32E-10	2.73E-10	1.42E-10	7.32E-11	3.79E-11	1.01E-11	1.40E-12	1.93E-13	2.66E-14	3.66E-15	5.07E-16
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	5.17E-05	2.51E-01	1.51E-01	9.09E-02	5.47E-02	1.98E-02	4.33E-03	9.49E-04	2.07E-04	4.51E-05	9.88E-06
GE 77	1.70E-02	4.37E-02	4.11E-02	3.87E-02	3.64E-02	3.22E-02	2.68E-02	2.23E-02	1.85E-02	1.54E-02	1.28E-02
AS 77	1.75E-04	2.77E-02	2.80E-02	2.82E-02	2.84E-02	2.86E-02	2.86E-02	2.84E-02	2.80E-02	2.74E-02	2.67E-02
SE 77M	6.91E-09	8.30E-05	8.42E-05	8.49E-05	8.49E-05	8.55E-05	8.61E-05	8.55E-05	8.42E-05	8.23E-05	7.98E-05
GE 78	1.83E+00	1.14E+00	7.11E-01	4.44E-01	2.77E-01	1.08E-01	2.62E-02	6.35E-03	1.55E-03	3.76E-04	9.14E-05
AS 78	3.29E-02	5.46E-01	6.73E-01	6.30E-01	5.27E-01	3.11E-01	1.16E-01	3.83E-02	1.19E-02	3.55E-03	1.03E-03
AS 79	2.96E+01	2.92E-01	2.87E-03	2.83E-05	2.79E-07	2.70E-11	2.57E-17	2.46E-23	2.34E-29	2.24E-35	2.14E-41
SE 79M	4.39E-02	5.15E-01	5.08E-03	5.00E-05	4.92E-07	4.76E-11	4.54E-17	4.34E-23	4.14E-29	3.95E-35	3.77E-41
BR 80	1.64E-01	1.55E-02	1.46E-03	1.37E-04	1.29E-05	1.15E-07	9.59E-11	7.99E-14	6.66E-17	5.56E-20	4.64E-23
SE 81M	1.31E-01	6.13E+00	2.96E+00	1.42E+00	6.84E-01	1.60E-01	1.79E-02	2.00E-03	2.25E-04	2.52E-05	2.82E-06
SE 81	1.60E+00	7.24E+00	4.19E+00	2.09E+00	1.02E+00	2.37E-01	2.65E-02	2.97E-03	3.33E-04	3.74E-05	4.18E-06
BR 82	7.03E-04	6.90E-04	6.76E-04	6.63E-04	6.50E-04	6.25E-04	5.90E-04	5.55E-04	5.24E-04	4.94E-04	4.66E-04
SE 83	6.59E+01	1.25E+01	2.37E+00	4.49E-01	8.48E-02	3.05E-03	2.07E-05	1.41E-07	9.63E-10	6.53E-12	4.15E-14
BR 83	5.47E-01	8.17E+00	7.56E+00	5.95E+00	4.52E+00	2.55E+00	1.08E+00	4.54E-01	1.92E-01	8.09E-02	3.41E-02
KR 83M	2.83E-05	1.85E+00	3.78E+00	4.69E+00	4.84E+00	4.04E+00	2.38E+00	1.23E+00	5.90E-01	2.73E-01	1.23E-01

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.27E-01	2.20E+01	5.93E+00	1.61E+00	4.34E-01	3.17E-02	6.28E-04	1.24E-05	2.45E-07	4.85E-09	9.58E-11
KR 85M	5.44E-03	1.17E+01	9.93E+00	8.48E+00	7.25E+00	5.29E+00	3.30E+00	2.06E+00	1.28E+00	7.97E-01	4.98E-01
KR 87	6.88E+01	3.97E+01	2.30E+01	1.33E+01	7.66E+00	2.57E+00	4.98E-01	9.65E-02	1.87E-02	3.62E-03	7.00E-04
KR 88	4.16E+01	3.25E+01	2.53E+01	1.98E+01	1.55E+01	9.38E+00	4.48E+00	2.13E+00	1.01E+00	4.83E-01	2.30E-01
RB 88	1.06E+01	3.28E+01	2.80E+01	2.21E+01	1.73E+01	1.05E+01	5.02E+00	2.39E+00	1.14E+00	5.41E-01	2.57E-01
RB 89	5.19E+01	4.87E+01	3.28E+00	2.20E-01	1.48E-02	6.68E-05	2.02E-08	6.10E-12	1.86E-15	5.63E-19	1.71E-22
SR 89	3.97E-06	1.39E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.48E-01	1.48E-01	1.48E-01	1.48E-01
SR 90	7.56E-06	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04
SR 91	8.04E-01	1.50E+01	1.40E+01	1.30E+01	1.21E+01	1.05E+01	8.45E+00	6.83E+00	5.51E+00	4.43E+00	3.57E+00
Y 91M	5.41E-05	5.16E+00	7.03E+00	7.54E+00	7.44E+00	6.68E+00	5.46E+00	4.40E+00	3.55E+00	2.86E+00	2.31E+00
Y 91	2.22E-08	4.59E-03	1.06E-02	1.69E-02	2.31E-02	3.46E-02	4.91E-02	6.07E-02	7.03E-02	7.79E-02	8.40E-02
SR 92	1.38E+00	6.15E+00	4.76E+00	3.69E+00	2.86E+00	1.71E+00	7.94E-01	3.69E-01	1.71E-01	7.94E-02	3.69E-02
Y 92	6.35E-02	1.29E+00	2.03E+00	2.41E+00	2.56E+00	2.44E+00	1.87E+00	1.27E+00	8.20E-01	5.05E-01	3.04E-01
SR 93	6.03E+01	1.04E+00	5.73E-03	3.17E-05	1.75E-07	5.34E-12	9.01E-19	1.52E-25	2.56E-32	4.32E-39	7.29E-46
Y 93	7.36E-02	2.38E+00	2.23E+00	2.09E+00	1.95E+00	1.71E+00	1.39E+00	1.13E+00	9.21E-01	7.56E-01	6.15E-01
Y 94	9.08E+00	1.24E+01	1.60E+00	2.06E-01	2.65E-02	4.41E-04	9.45E-07	2.03E-09	4.33E-12	9.45E-15	5.24E-16
Y 95	3.98E+01	3.75E+00	8.26E-02	1.82E-03	4.01E-05	1.95E-08	2.08E-13	2.23E-18	2.38E-23	2.54E-28	2.72E-33
ZR 95	1.49E-04	1.95E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.98E-02	1.98E-02
NB 95	1.67E-11	1.21E-05	2.81E-05	4.42E-05	6.03E-05	9.24E-05	1.40E-04	1.89E-04	2.36E-04	2.84E-04	3.31E-04
ZR 97	3.96E-01	1.73E+00	1.65E+00	1.59E+00	1.52E+00	1.41E+00	1.24E+00	1.10E+00	9.76E-01	8.60E-01	7.64E-01
NB 97M	2.04E-03	1.66E+00	1.59E+00	1.53E+00	1.47E+00	1.35E+00	1.19E+00	1.06E+00	9.35E-01	8.26E-01	7.30E-01
NB 97	1.99E-01	8.67E-01	1.22E+00	1.39E+00	1.46E+00	1.45E+00	1.32E+00	1.18E+00	1.04E+00	9.21E-01	8.19E-01
NB 98	2.26E+00	1.00E+00	4.42E-01	1.96E-01	8.66E-02	1.70E-02	1.47E-03	1.27E-04	1.10E-05	9.55E-07	8.22E-08
MO 99	1.20E-03	4.96E-01	4.91E-01	4.86E-01	4.81E-01	4.71E-01	4.57E-01	4.43E-01	4.30E-01	4.17E-01	4.04E-01
TC 99M	1.12E-08	4.73E-02	8.88E-02	1.26E-01	1.58E-01	2.11E-01	2.67E-01	3.03E-01	3.25E-01	3.38E-01	3.43E-01
MO101	1.89E+02	8.54E+01	4.96E+00	2.87E-01	1.67E-02	5.59E-05	1.09E-08	2.12E-12	4.11E-16	7.98E-20	1.56E-23
TC101	7.98E+00	2.39E+02	2.62E+01	2.15E+00	1.56E-01	7.06E-04	1.76E-07	3.95E-11	8.38E-15	1.72E-18	3.49E-22
MO102	1.77E+03	4.04E+01	9.19E-01	2.10E-02	4.79E-04	2.49E-07	2.96E-12	3.51E-17	4.16E-22	4.93E-27	5.86E-32
TC102M	1.14E+00	3.42E+01	7.83E-01	1.79E-02	4.07E-04	2.11E-07	2.50E-12	2.97E-17	3.52E-22	4.17E-27	4.96E-32
TC102	5.33E+03	2.03E+01	4.64E-01	1.05E-02	2.41E-04	1.26E-07	1.49E-12	1.77E-17	2.10E-22	2.49E-27	2.95E-32
RU103	1.43E-04	3.33E-01	3.32E-01	3.32E-01	3.32E-01	3.31E-01	3.30E-01	3.30E-01	3.29E-01	3.28E-01	3.27E-01
RH103M	9.56E-09	1.72E-01	2.55E-01	2.95E-01	3.14E-01	3.27E-01	3.30E-01	3.30E-01	3.29E-01	3.28E-01	3.28E-01
TC104	1.15E+02	8.25E+01	8.25E+00	8.17E-01	8.08E-02	7.96E-04	7.77E-07	7.60E-10	7.42E-13	7.25E-16	7.08E-19
RU105	9.26E-01	3.20E+01	2.74E+01	2.35E+01	2.01E+01	1.47E+01	9.19E+00	5.75E+00	3.60E+00	2.25E+00	1.41E+00
RH105M	6.09E-03	3.21E+01	2.74E+01	2.35E+01	2.01E+01	1.47E+01	9.19E+00	5.77E+00	3.61E+00	2.26E+00	1.41E+00
RH105	1.00E-08	6.52E-01	1.21E+00	1.67E+00	2.05E+00	2.63E+00	3.14E+00	3.38E+00	3.45E+00	3.41E+00	3.33E+00
RU106	8.73E-04	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02
RH106	9.44E-06	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02	1.65E-02
RH107	2.40E-01	3.27E+01	4.95E+00	7.45E-01	1.12E-01	2.57E-03	8.83E-06	3.05E-08	1.05E-10	3.59-146	3.57E-17
PD107M	5.00E-04	6.65E+00	1.00E+00	1.52E-01	2.29E-02	5.22E-04	1.80E-06	6.20E-09	2.13E-11	7.36E-14	2.51E-16

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.49E-02	2.07E+00	1.96E+00	1.86E+00	1.77E+00	1.60E+00	1.37E+00	1.18E+00	1.01E+00	8.63E-01	7.42E-01
AG109M	1.44E-04	2.07E+00	1.96E+00	1.87E+00	1.77E+00	1.60E+00	1.37E+00	1.18E+00	1.01E+00	8.63E-01	7.42E-01
PD111M	2.82E+00	2.48E+00	2.19E+00	1.94E+00	1.71E+00	1.33E+00	9.07E-01	6.22E-01	4.26E-01	2.92E-01	2.00E-01
PD111	1.00E+00	1.81E+00	1.74E+00	1.55E+00	1.37E+00	1.06E+00	7.29E-01	5.00E-01	3.42E-01	2.35E-01	1.61E-01
AG111M	7.98E-03	2.44E+00	2.29E+00	2.05E+00	1.81E+00	1.40E+00	9.57E-01	6.56E-01	4.49E-01	3.08E-01	2.11E-01
AG111	2.84E-09	8.42E-03	1.77E-02	2.60E-02	3.34E-02	4.55E-02	5.84E-02	6.69E-02	7.25E-02	7.60E-02	7.81E-02
PD112	8.39E-01	8.13E-01	7.85E-01	7.60E-01	7.37E-01	6.88E-01	6.24E-01	5.65E-01	5.12E-01	4.63E-01	4.20E-01
AG112	2.53E-05	1.61E-01	2.84E-01	3.81E-01	4.53E-01	5.42E-01	5.96E-01	5.93E-01	5.65E-01	5.27E-01	4.86E-01
AG113	9.94E-03	2.13E+00	1.86E+00	1.64E+00	1.44E+00	1.10E+00	7.48E-01	5.05E-01	3.41E-01	2.30E-01	1.56E-01
AG115	3.62E+00	3.88E+00	4.82E-01	6.03E-02	7.55E-03	1.18E-04	2.31E-07	4.51E-10	8.73E-13	8.67-162	8.04E-16
CD115M	2.96E-08	7.87E-04	8.84E-04	8.96E-04	8.96E-04	8.96E-04	8.93E-04	8.93E-04	8.90E-04	8.87E-04	8.87E-04
CD115	1.14E-05	2.15E-01	2.32E-01	2.31E-01	2.28E-01	2.22E-01	2.14E-01	2.06E-01	1.98E-01	1.91E-01	1.83E-01
IN115M	1.42E-10	2.38E-02	5.28E-02	7.84E-02	9.99E-02	1.33E-01	1.64E-01	1.81E-01	1.89E-01	1.91E-01	1.89E-01
CD117	2.59E-01	4.32E+00	3.25E+00	2.43E+00	1.82E+00	1.02E+00	4.29E-01	1.81E-01	7.60E-02	3.19E-02	1.34E-02
IN117M	1.25E-05	1.50E+00	2.17E+00	2.36E+00	2.28E+00	1.80E+00	1.03E+00	5.26E-01	2.53E-01	1.17E-01	5.29E-02
IN117	5.01E-10	2.74E-01	6.63E-01	9.21E-01	1.03E+00	9.45E-01	6.02E-01	3.22E-01	1.60E-01	7.54E-02	3.46E-02
CD118	1.72E+01	7.35E+00	3.15E+00	1.34E+00	5.76E-01	1.05E-01	8.27E-03	6.46E-04	5.08E-05	3.98E-06	3.12E-07
IN118	1.14E+00	7.35E+00	3.15E+00	1.35E+00	5.76E-01	1.06E-01	8.27E-03	6.49E-04	5.08E-05	3.98E-06	3.12E-07
CD119	4.28E+01	6.67E-01	1.04E-02	1.63E-04	2.54E-06	6.23E-10	2.37E-15	9.07E-21	3.45E-26	1.32E-31	5.04E-37
IN119M	6.45E-02	7.22E+00	7.85E-01	7.92E-02	7.89E-03	7.76E-05	7.57E-08	7.41E-11	7.22E-14	7.06E-17	6.90E-20
IN119	3.18E+00	3.80E-01	4.41E-02	4.47E-03	4.47E-04	4.37E-06	4.28E-09	4.18E-12	4.09E-15	3.99E-18	3.89E-21
SN121	5.28E-03	5.44E-01	5.28E-01	5.16E-01	5.03E-01	4.78E-01	4.41E-01	4.10E-01	3.79E-01	3.51E-01	3.26E-01
SN123M	2.58E+00	4.83E+00	1.71E+00	6.05E-01	2.14E-01	2.67E-02	1.18E-03	5.23E-05	2.31E-06	1.02E-07	4.52E-09
SN123	2.43E-05	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03
SN125	5.51E-02	5.49E-02	5.48E-02	5.46E-02	5.44E-02	5.41E-02	5.36E-02	5.31E-02	5.26E-02	5.21E-02	5.16E-02
SB125	3.31E-04	3.32E-04	3.34E-04	3.35E-04	3.36E-04	3.39E-04	3.45E-04	3.49E-04	3.54E-04	3.58E-04	3.62E-04
SB126	6.68E-03	6.66E-03	6.65E-03	6.64E-03	6.62E-03	6.58E-03	6.54E-03	6.50E-03	6.45E-03	6.41E-03	6.36E-03
SN127	5.57E+00	4.00E+00	2.87E+00	2.07E+00	1.49E+00	7.68E-01	2.86E-01	1.06E-01	3.94E-02	1.46E-02	5.43E-03
SB127	6.50E-02	2.24E-01	2.48E-01	2.64E-01	2.76E-01	2.87E-01	2.92E-01	2.89E-01	2.85E-01	2.78E-01	2.73E-01
TE127	3.67E-02	4.57E-02	5.55E-02	6.59E-02	7.61E-02	9.55E-02	1.22E-01	1.43E-01	1.59E-01	1.71E-01	1.79E-01
SN128	2.90E+01	1.43E+01	7.08E+00	3.50E+00	1.73E+00	4.22E-01	5.09E-02	6.15E-03	7.41E-04	8.99E-05	1.08E-05
SB128M	1.48E-02	1.63E+01	8.45E+00	4.17E+00	2.06E+00	5.04E-01	6.07E-02	7.33E-03	8.83E-04	1.07E-04	1.29E-05
SB128	1.22E+00	1.18E+00	1.11E+00	1.04E+00	9.68E-01	8.30E-01	6.62E-01	5.25E-01	4.17E-01	3.31E-01	2.63E-01
SN129M	1.56E+01	7.78E+00	3.90E+00	1.95E+00	9.75E-01	2.44E-01	3.05E-02	3.82E-03	4.76E-04	5.96E-05	7.45E-06
SN129	1.04E+02	1.02E+00	1.01E-02	9.95E-05	9.75E-07	9.49E-11	9.03E-17	8.63E-23	8.24E-29	7.84E-35	7.51E-41
SB129	5.86E+00	9.82E+00	9.22E+00	8.24E+00	7.25E+00	5.38E+00	3.35E+00	2.08E+00	1.28E+00	7.91E-01	4.86E-01
TE129M	1.11E-07	1.23E-03	2.52E-03	3.71E-03	4.76E-03	6.46E-03	8.17E-03	9.22E-03	9.88E-03	1.03E-02	1.05E-02
TE129	4.22E+00	5.80E+00	6.79E+00	7.05E+00	6.79E+00	5.62E+00	3.74E+00	2.36E+00	1.47E+00	9.09E-01	5.64E-01
SB130M	6.08E-01	1.15E+00	3.01E-03	7.91E-06	2.08E-08	1.44E-13	2.62E-21	4.76E-29	8.63E-37	1.57E-44	2.85E-52
SB130	1.04E+02	3.15E+01	8.96E+00	2.54E+00	7.18E-01	5.78E-02	1.32E-03	3.00E-05	6.85E-07	1.56E-08	3.57E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.90E-02	2.74E-02	2.60E-02	2.45E-02	2.32E-02	2.08E-02	1.75E-02	1.48E-02	1.25E-02	1.06E-02	8.96E-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	6.62E-10	2.92E-12	1.46E-14
TE131M	1.20E-04	6.28E-01	7.17E-01	7.18E-01	7.04E-01	6.73E-01	6.28E-01	5.85E-01	5.47E-01	5.10E-01	4.76E-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	9.31E-02	8.67E-02
I131	1.61E-02	5.57E-01	8.19E-01	8.99E-01	9.15E-01	9.23E-01	9.23E-01	9.15E-01	9.15E-01	9.07E-01	9.07E-01
TE132	1.33E+00	3.24E+00	3.21E+00	3.19E+00	3.15E+00	3.10E+00	3.02E+00	2.94E+00	2.86E+00	2.78E+00	2.71E+00
I132	3.28E+00	3.27E+00	3.26E+00	3.24E+00	3.22E+00	3.18E+00	3.11E+00	3.02E+00	2.94E+00	2.87E+00	2.80E+00
TE133M	1.53E-01	5.31E+01	2.31E+01	1.01E+01	4.37E+00	8.31E-01	6.84E-02	5.64E-03	4.65E-04	3.84E-05	3.16E-06
TE133	8.60E+02	4.88E+01	5.42E+00	1.79E+00	7.58E-01	1.44E-01	1.19E-02	9.77E-04	8.09E-05	6.66E-06	5.49E-07
I133	1.33E+00	1.44E+01	1.55E+01	1.55E+01	1.52E+01	1.44E+01	1.31E+01	1.19E+01	1.07E+01	9.77E+00	8.82E+00
XE133M	5.68E-08	3.23E-03	7.80E-03	1.25E-02	1.70E-02	2.55E-02	3.70E-02	4.69E-02	5.53E-02	6.25E-02	6.85E-02
XE133	9.92E-07	5.64E-02	1.37E-01	2.19E-01	3.00E-01	4.55E-01	6.67E-01	8.53E-01	1.02E+00	1.17E+00	1.30E+00
TE134	2.75E+02	1.27E+02	4.74E+01	1.76E+01	6.54E+00	9.06E-01	4.63E-02	2.37E-03	1.22E-04	6.24E-06	3.20E-07
I134	1.26E+02	1.68E+02	1.18E+02	6.91E+01	3.71E+01	9.42E+00	1.04E+00	1.06E-01	1.04E-02	9.93E-04	9.42E-05
I135	2.27E+01	4.00E+01	3.61E+01	3.25E+01	2.93E+01	2.38E+01	1.75E+01	1.28E+01	9.39E+00	6.91E+00	5.05E+00
XE135M	2.51E-03	1.15E+01	1.12E+01	1.02E+01	9.13E+00	7.43E+00	5.46E+00	4.00E+00	2.93E+00	2.15E+00	1.58E+00
XE135	2.61E+00	5.17E+00	7.56E+00	9.52E+00	1.11E+01	1.33E+01	1.47E+01	1.48E+01	1.41E+01	1.28E+01	1.15E+01
CS136	1.34E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.32E-03	1.31E-03	1.30E-03	1.29E-03	1.28E-03	1.28E-03
CS137	1.03E-04	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03
BA137M	2.17E-07	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03
XE138	8.81E+02	7.58E+01	6.59E+00	5.71E-01	4.94E-02	3.71E-04	2.41E-07	1.56E-10	1.02E-13	6.61E-17	4.29E-20
CS138	1.31E+02	2.21E+02	7.65E+01	2.25E+01	6.30E+00	4.79E-01	9.97E-03	2.07E-04	4.29E-06	8.94E-08	1.85E-09
CS139	6.91E+02	2.21E+01	2.76E-01	3.48E-03	4.36E-05	6.85E-09	1.36E-14	2.69E-20	5.33E-26	1.06E-31	2.09E-37
BA139	1.28E+01	1.42E+02	8.77E+01	5.33E+01	3.22E+01	1.18E+01	2.63E+00	5.83E-01	1.30E-01	2.87E-02	6.38E-03
BA140	1.20E-01	7.46E-01	7.46E-01	7.40E-01	7.40E-01	7.35E-01	7.35E-01	7.29E-01	7.23E-01	7.18E-01	7.12E-01
LA140	2.84E-07	1.28E-02	2.53E-02	3.75E-02	4.95E-02	7.29E-02	1.06E-01	1.38E-01	1.67E-01	1.95E-01	2.22E-01
BA141	1.11E+02	3.36E+01	3.34E+00	3.31E-01	3.28E-02	3.26E-04	3.18E-07	3.10E-10	3.02E-13	2.97E-16	2.89E-19
LA141	1.03E+00	2.18E+01	2.03E+01	1.72E+01	1.44E+01	1.01E+01	5.93E+00	3.47E+00	2.04E+00	1.20E+00	7.02E-01
CE141	1.27E-07	1.41E-02	3.31E-02	4.98E-02	6.38E-02	8.55E-02	1.06E-01	1.18E-01	1.25E-01	1.29E-01	1.31E-01
BA142	7.36E+01	2.92E+00	6.67E-02	1.52E-03	3.47E-05	1.80E-08	2.14E-13	2.54E-18	3.01E-23	3.57E-28	4.24E-33
LA142	1.69E+00	1.17E+01	7.73E+00	4.92E+00	3.13E+00	1.27E+00	3.27E-01	8.42E-02	2.17E-02	5.59E-03	1.44E-03
LA143	2.77E+01	5.40E+00	2.77E-01	1.42E-02	7.30E-04	1.91E-06	2.58E-10	3.48E-14	4.69E-18	6.32E-22	8.53E-26
CE143	1.11E-02	7.05E-01	7.30E-01	7.11E-01	6.98E-01	6.72E-01	6.30E-01	5.91E-01	5.55E-01	5.21E-01	4.89E-01
PR143	3.23E-09	1.08E-03	2.61E-03	4.12E-03	5.60E-03	8.47E-03	1.25E-02	1.63E-02	1.98E-02	2.31E-02	2.61E-02
CE144	5.02E-04	3.60E-03	3.60E-03	3.60E-03	3.60E-03	3.60E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03
PR144	1.38E-07	3.27E-03	3.57E-03	3.59E-03	3.60E-03	3.60E-03	3.60E-03	3.60E-03	3.59E-03	3.59E-03	3.59E-03
PR145	2.04E-02	3.00E+00	2.67E+00	2.38E+00	2.12E+00	1.68E+00	1.18E+00	8.36E-01	5.92E-01	4.18E-01	2.96E-01
CE146	6.68E+01	3.42E+00	1.76E-01	8.97E-03	4.62E-04	1.22E-06	1.64E-10	2.21E-14	2.97E-18	4.01E-22	5.41E-26
PR146	1.38E+00	1.20E+01	2.72E+00	5.12E-01	9.21E-02	2.89E-03	1.60E-05	8.82E-08	4.88E-10	2.70E-12	1.47E-14
PR147	7.85E+00	2.27E+00	7.09E-02	2.21E-03	6.93E-05	6.76E-08	2.06E-12	6.31E-17	1.92E-21	5.88E-26	1.79E-30

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.80E-06	5.27E-02	5.42E-02	5.41E-02	5.40E-02	5.37E-02	5.33E-02	5.29E-02	5.25E-02	5.21E-02	5.16E-02
ND149	4.96E+00	3.38E+00	2.30E+00	1.57E+00	1.06E+00	4.93E-01	1.55E-01	4.89E-02	1.54E-02	4.84E-03	1.53E-03
PM149	6.92E-04	5.40E-02	8.97E-02	1.14E-01	1.29E-01	1.45E-01	1.50E-01	1.47E-01	1.44E-01	1.38E-01	1.33E-01
PM150	5.56E-02	4.30E-02	3.33E-02	2.57E-02	1.98E-02	1.19E-02	5.51E-03	2.55E-03	1.18E-03	5.47E-04	2.53E-04
ND151	2.15E+01	6.72E-01	2.10E-02	6.57E-04	2.06E-05	2.01E-08	6.13E-13	1.87E-17	5.70E-22	1.74E-26	5.32E-31
PM151	1.36E-02	1.59E-01	1.60E-01	1.57E-01	1.53E-01	1.45E-01	1.34E-01	1.25E-01	1.16E-01	1.08E-01	9.99E-02
PM152	3.38E+01	3.31E-02	3.22E-05	3.15E-08	3.08E-11	2.94E-17	2.73E-26	2.55E-35	2.38E-44	2.22E-53	2.06E-62
SM153	4.87E-02	4.80E-02	4.74E-02	4.66E-02	4.60E-02	4.46E-02	4.27E-02	4.08E-02	3.91E-02	3.74E-02	3.58E-02
SM155	1.98E+00	3.26E-01	5.34E-02	8.73E-03	1.43E-03	3.85E-05	1.70E-07	7.48E-10	3.30E-12	1.47E-14	3.61E-17
EU155	1.46E-06	4.15E-05	4.81E-05	4.92E-05	4.94E-05	4.94E-05	4.94E-05	4.94E-05	4.94E-05	4.94E-05	4.94E-05
SM156	4.13E-02	3.84E-02	3.56E-02	3.31E-02	3.07E-02	2.65E-02	2.13E-02	1.70E-02	1.37E-02	1.10E-02	8.76E-03
EU156	1.21E-04	1.97E-04	2.68E-04	3.33E-04	3.94E-04	5.03E-04	6.39E-04	7.40E-04	8.29E-04	8.94E-04	9.41E-04
EU157	4.68E-03	1.55E-02	1.48E-02	1.41E-02	1.35E-02	1.23E-02	1.08E-02	9.40E-03	8.18E-03	7.12E-03	6.21E-03
EU158	1.42E-01	5.74E-02	2.32E-02	9.40E-03	3.81E-03	6.23E-04	4.15E-05	2.75E-06	1.83E-07	1.21E-08	8.06E-10
EU159	1.96E-01	1.95E-02	1.93E-03	1.92E-04	1.90E-05	1.88E-07	1.83E-10	1.79E-13	1.75E-16	1.71E-19	1.67E-22
GD159	8.41E-04	3.69E-03	3.83E-03	3.72E-03	3.58E-03	3.31E-03	2.95E-03	2.63E-03	2.34E-03	2.09E-03	1.86E-03
TB161	1.41E-05	1.01E-04	1.01E-04	1.00E-04	1.00E-04	9.91E-05	9.81E-05	9.68E-05	9.55E-05	9.45E-05	9.31E-05
TOTAL	1.32E+04	2.51E+03	9.43E+02	5.53E+02	3.95E+02	2.60E+02	1.79E+02	1.38E+02	1.11E+02	9.28E+01	7.91E+01

MIKE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.45E-05	2.42E-05	2.39E-05	2.30E-05	2.16E-05	1.89E-05	1.66E-05	1.28E-05	6.69E-06	1.82E-06	4.94E-07
NA 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MN 54	1.54E-04	1.53E-04	1.53E-04	1.50E-04	1.49E-04	1.46E-04	1.43E-04	1.36E-04	1.22E-04	9.68E-05	7.72E-05
FE 55	6.44E-05	6.44E-05	6.44E-05	6.41E-05	6.40E-05	6.36E-05	6.30E-05	6.22E-05	5.98E-05	5.57E-05	5.17E-05
FE 59	3.35E-04	3.29E-04	3.24E-04	3.10E-04	2.87E-04	2.46E-04	2.11E-04	1.55E-04	7.19E-05	1.53E-05	3.29E-06
CO 57	2.07E-06	2.07E-06	2.05E-06	2.05E-06	2.02E-06	1.96E-06	1.91E-06	1.82E-06	1.61E-06	1.24E-06	9.61E-07
CO 58	1.64E-04	1.63E-04	1.61E-04	1.56E-04	1.49E-04	1.35E-04	1.23E-04	1.01E-04	6.23E-05	2.36E-05	8.89E-06
CO 60	1.68E-06	1.68E-06	1.68E-06	1.68E-06	1.67E-06	1.67E-06	1.66E-06	1.65E-06	1.61E-06	1.56E-06	1.50E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	3.83E-01	3.46E-01	3.12E-01	2.29E-01	1.37E-01	4.91E-02	1.76E-02	2.25E-03	1.33E-05	1.43E-09	9.64E-10
U240	1.33E+01	4.09E+00	1.25E+00	3.64E-02	9.98E-05	7.50E-10	5.64E-15	3.18E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	4.43E-03	6.76E+00	5.04E+00	2.08E+00	4.76E-01	2.49E-02	1.30E-03	3.57E-06	1.40E-12	3.35E-22	3.35E-22
NP240M	2.10E-02	4.11E+00	1.26E+00	3.66E-02	1.01E-04	7.57E-10	5.69E-15	3.21E-25	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	1.70E-02	1.07E-02	2.45E-03	2.95E-05	1.88E-08	7.61E-15	3.07E-21	5.01E-34	0.	0.	0.
AS 77	1.75E-04	2.59E-02	1.87E-02	5.42E-03	6.35E-04	8.61E-06	1.17E-07	2.16E-11	9.99E-21	2.14E-39	4.60E-58
SE 77M	6.91E-09	7.79E-05	5.61E-05	1.63E-05	1.90E-06	2.58E-08	3.51E-10	6.47E-14	3.00E-23	6.41E-42	1.38E-60
AS 78	3.29E-02	2.93E-04	8.57E-09	7.24E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7.03E-04	4.39E-04	2.74E-04	6.66E-05	6.31E-06	5.68E-08	5.09E-10	4.11E-14	2.40E-24	8.24E-45	2.81E-65
BR 83	5.47E-01	1.44E-02	1.45E-05	1.47E-14	1.50E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.83E-05	6.30E-02	7.16E-05	6.44E-14	6.61E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.44E-03	3.11E-01	7.08E-03	8.41E-08	5.18E-16	1.97E-32	7.47E-49	0.	0.	0.	0.
KR 85	5.63E-06	1.48E-04	1.51E-04	1.51E-04	1.51E-04	1.51E-04	1.51E-04	1.50E-04	1.49E-04	1.46E-04	1.44E-04
KR 87	6.88E+01	1.36E-04	2.68E-10	2.08E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.16E+01	1.09E-01	2.87E-04	5.22E-12	6.57E-25	0.	0.	0.	0.	0.	0.
RB 88	1.06E+01	1.22E-01	3.22E-04	5.84E-12	7.32E-25	0.	0.	0.	0.	0.	0.
SR 89	3.97E-06	1.19E-01	1.17E-01	1.13E-01	1.06E-01	9.23E-02	8.07E-02	6.21E-02	3.18E-02	8.36E-03	2.21E-03
SR 90	7.56E-06	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.70E-04	7.70E-04	7.63E-04
Y 90	1.12E-11	1.78E-04	3.15E-04	5.66E-04	7.22E-04	7.70E-04	7.77E-04	7.77E-04	7.70E-04	7.70E-04	7.63E-04
SR 91	8.04E-01	2.88E+00	5.16E-01	2.96E-03	5.41E-07	1.84E-14	6.22E-22	7.08E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.41E-05	1.86E+00	3.33E-01	1.91E-03	3.51E-07	1.18E-14	4.01E-22	4.57E-37	0.	0.	0.
Y 91	2.22E-08	8.85E-02	1.05E-01	1.05E-01	9.87E-02	8.75E-02	7.79E-02	6.17E-02	3.41E-02	1.05E-02	3.23E-03
SR 92	1.38E+00	1.72E-02	3.70E-05	3.72E-13	1.74E-26	0.	0.	0.	0.	0.	0.
Y 92	6.35E-02	1.80E-01	2.00E-03	1.54E-09	8.97E-20	3.07E-40	1.05E-60	0.	0.	0.	0.
Y 93	7.36E-02	4.97E-01	9.69E-02	7.29E-04	2.10E-07	1.73E-14	1.43E-21	9.76E-36	0.	0.	0.
ZR 95	1.49E-04	1.87E-02	1.85E-02	1.79E-02	1.70E-02	1.52E-02	1.37E-02	1.11E-02	6.49E-03	2.24E-03	7.67E-04
NB 95M	3.18E-12	6.33E-05	1.15E-04	2.20E-04	2.97E-04	3.13E-04	2.89E-04	2.35E-04	1.38E-04	4.74E-05	1.63E-05
NB 95	1.67E-11	3.61E-04	7.15E-04	1.71E-03	3.18E-03	5.49E-03	7.08E-03	8.78E-03	8.46E-03	4.06E-03	1.56E-03
ZR 97	3.96E-01	6.75E-01	2.54E-01	1.34E-02	1.01E-04	5.68E-09	3.19E-13	1.01E-21	5.70E-43	0.	0.
NB 97M	2.04E-03	6.48E-01	2.44E-01	1.30E-02	9.69E-05	5.46E-09	3.07E-13	9.69E-22	5.48E-43	0.	0.
NB 97	1.99E-01	6.78E-01	2.55E-01	1.35E-02	1.02E-04	6.12E-09	3.44E-13	1.09E-21	6.14E-43	0.	0.
MO 99	1.20E-03	3.91E-01	3.05E-01	1.45E-01	4.19E-02	3.50E-03	2.92E-04	2.04E-06	8.27E-12	1.36E-22	2.24E-33
TC 99M	1.12E-08	3.44E-01	2.89E-01	1.39E-01	4.00E-02	3.34E-03	2.79E-04	1.94E-06	7.89E-12	1.30E-22	2.14E-33
RU103	1.43E-04	3.27E-01	3.21E-01	3.04E-01	2.79E-01	2.34E-01	1.97E-01	1.39E-01	5.77E-02	1.00E-02	1.75E-03
RH103M	9.56E-09	3.27E-01	3.22E-01	3.05E-01	2.79E-01	2.34E-01	1.97E-01	1.39E-01	5.78E-02	1.00E-02	1.75E-03
RU105	9.26E-01	8.85E-01	2.08E-02	2.74E-07	2.00E-15	1.07E-31	5.73E-48	0.	0.	0.	0.
RH105M	6.09E-03	8.85E-01	2.09E-02	2.74E-07	2.01E-15	1.07E-31	5.74E-48	0.	0.	0.	0.
RH105	1.00E-08	3.20E+00	2.09E+00	5.20E-01	5.13E-02	4.99E-04	4.85E-06	4.58E-10	3.97E-20	2.98E-40	2.24E-60
RU106	8.73E-04	1.65E-02	1.64E-02	1.64E-02	1.62E-02	1.59E-02	1.56E-02	1.50E-02	1.37E-02	1.13E-02	9.37E-03
RH106	9.44E-06	1.65E-02	1.64E-02	1.64E-02	1.62E-02	1.59E-02	1.56E-02	1.50E-02	1.37E-02	1.13E-02	9.37E-03
PD109	2.49E-02	6.34E-01	1.85E-01	4.58E-03	9.65E-06	4.30E-11	1.92E-16	3.79E-27	0.	0.	0.
AG109M	1.44E-04	6.34E-01	1.85E-01	4.59E-03	9.70E-06	4.31E-11	1.92E-16	3.80E-27	0.	0.	0.
PD111M	2.82E+00	1.37E-01	6.65E-03	7.63E-07	2.06E-13	1.51E-26	1.11E-39	0.	0.	0.	0.
PD111	1.00E+00	1.11E-01	5.35E-03	6.14E-07	1.66E-13	1.21E-26	8.87E-40	0.	0.	0.	0.
AG111M	7.98E-03	1.44E-01	7.02E-03	8.07E-07	2.18E-13	1.60E-26	1.17E-39	0.	0.	0.	0.
AG111	2.84E-09	7.84E-02	7.54E-02	5.74E-02	3.61E-02	1.43E-02	5.68E-03	8.96E-04	8.81E-06	8.54E-10	8.27E-14
PD112	8.39E-01	3.81E-01	1.72E-01	1.60E-02	3.04E-04	1.11E-07	4.02E-11	5.27E-18	3.33E-35	0.	0.
AG112	2.53E-05	4.43E-01	2.03E-01	1.89E-02	3.61E-04	1.30E-07	4.73E-11	6.24E-18	3.91E-35	0.	0.
AG113	9.94E-03	1.05E-01	4.54E-03	3.69E-07	5.65E-14	1.32E-27	3.09E-41	0.	0.	0.	0.
CD115M	2.96E-08	8.56E-04	8.41E-04	8.01E-04	7.41E-04	6.29E-04	5.37E-04	3.88E-04	1.73E-04	3.45E-05	6.89E-06
CD115	1.14E-05	1.72E-01	1.26E-01	4.97E-02	1.05E-02	4.68E-04	2.09E-05	4.16E-08	7.35E-15	2.30E-28	7.21E-42
IN115M	1.42E-10	1.81E-01	1.38E-01	5.43E-02	1.14E-02	5.11E-04	2.28E-05	4.54E-08	8.04E-15	2.51E-28	7.87E-42
CD117	2.59E-01	5.65E-03	5.50E-06	5.14E-15	4.56E-30	0.	0.	0.	0.	0.	0.
IN117M	1.25E-05	2.35E-02	2.72E-05	2.62E-14	2.33E-29	0.	0.	0.	0.	0.	0.
IN117	5.01E-10	1.55E-02	1.83E-05	1.77E-14	1.57E-29	0.	0.	0.	0.	0.	0.
SN121	5.28E-03	3.01E-01	1.62E-01	2.56E-02	1.17E-03	2.48E-06	5.22E-09	2.33E-14	9.72E-28	0.	0.
SN123	2.43E-05	2.54E-03	2.52E-03	2.47E-03	2.40E-03	2.27E-03	2.15E-03	1.93E-03	1.46E-03	8.39E-04	4.83E-04
SN125	5.51E-02	5.12E-02	4.76E-02	3.81E-02	2.63E-02	1.26E-02	6.03E-03	1.38E-03	3.45E-05	2.17E-08	1.36E-11
SB125	3.31E-04	3.67E-04	4.01E-04	4.90E-04	6.01E-04	7.28E-04	7.84E-04	8.17E-04	8.01E-04	7.48E-04	6.97E-04
SB126	6.68E-03	6.32E-03	5.98E-03	5.06E-03	3.84E-03	2.20E-03	1.27E-03	4.17E-04	2.61E-05	1.27E-07	2.55E-08

1 MIKE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.57E+00	2.02E-03	7.33E-07	3.50E-17	2.20E-34	0.	0.	0.	0.	0.	0.
SB127	6.50E-02	2.67E-01	2.23E-01	1.30E-01	5.34E-02	8.92E-03	1.49E-03	4.17E-05	5.43E-09	9.28E-17	1.58E-24
TE127M	5.26E-10	4.07E-04	7.45E-04	1.45E-03	2.00E-03	2.20E-03	2.12E-03	1.88E-03	1.37E-03	7.26E-04	3.84E-04
TE127	3.67E-02	1.91E-01	1.87E-01	1.14E-01	4.83E-02	9.91E-03	3.39E-03	1.90E-03	1.36E-03	7.17E-04	3.79E-04
SB128	1.22E+00	2.08E-01	3.29E-02	1.28E-04	1.24E-08	1.17E-16	1.10E-24	9.68E-41	0.	0.	0.
SB129	5.86E+00	3.00E-01	6.26E-03	5.70E-08	2.27E-16	3.58E-33	5.65E-50	0.	0.	0.	0.
TE129M	1.11E-07	1.17E-02	1.17E-02	1.10E-02	9.95E-03	8.10E-03	6.59E-03	4.39E-03	1.58E-03	2.06E-04	2.68E-05
TE129	4.22E+00	3.51E-01	1.46E-02	7.05E-03	6.36E-03	5.19E-03	4.23E-03	2.81E-03	1.01E-03	1.32E-04	1.72E-05
I130	2.90E-02	7.58E-03	1.98E-03	3.55E-05	4.33E-08	6.45E-14	9.62E-20	2.14E-31	0.	0.	0.
TE131M	1.20E-04	4.20E-01	2.41E-01	4.57E-02	2.86E-03	1.11E-05	4.36E-08	6.65E-13	6.05E-25	0.	0.
TE131	1.11E+02	7.66E-02	4.40E-02	8.35E-03	5.21E-04	2.04E-06	7.95E-09	1.22E-13	1.11E-25	0.	0.
I131	1.61E-02	8.67E-01	8.19E-01	6.59E-01	4.34E-01	1.83E-01	7.75E-02	1.38E-02	1.87E-04	3.40E-08	6.20E-12
XE131M	4.36E-11	4.02E-04	7.63E-04	1.59E-03	2.28E-03	2.25E-03	1.67E-03	6.90E-04	4.60E-05	1.38E-07	3.88E-10
TE132	1.33E+00	2.64E+00	2.14E+00	1.12E+00	3.87E-01	4.59E-02	5.44E-03	7.64E-05	1.79E-09	9.79E-19	5.34E-28
I132	3.28E+00	2.73E+00	2.20E+00	1.16E+00	4.00E-01	4.73E-02	5.60E-03	7.88E-05	1.84E-09	1.00E-18	5.50E-28
I133	1.33E+00	7.44E+00	3.35E+00	3.11E-01	5.93E-03	2.15E-06	7.80E-10	1.03E-16	6.46E-34	0.	0.
XE133M	5.68E-08	7.02E-02	8.31E-02	4.88E-02	1.14E-02	5.37E-04	2.50E-05	5.42E-08	1.19E-14	5.68E-28	2.72E-41
XE133	9.92E-07	1.35E+00	1.81E+00	1.62E+00	8.82E-01	2.38E-01	6.41E-02	4.62E-03	6.43E-06	1.25E-11	2.42E-17
I135	2.27E+01	3.70E+00	3.09E-01	1.80E-04	7.30E-10	1.21E-20	1.98E-31	5.38E-53	0.	0.	0.
XE135M	2.51E-03	1.15E+00	9.65E-02	5.61E-05	2.28E-10	3.76E-21	6.19E-32	1.68E-53	0.	0.	0.
XE135	2.61E+00	9.97E+00	2.44E+00	1.40E-02	1.71E-06	2.40E-14	3.36E-22	6.65E-38	0.	0.	0.
CS136	1.34E-03	1.27E-03	1.20E-03	1.02E-03	7.85E-04	4.61E-04	2.71E-04	9.31E-05	6.47E-06	3.12E-08	1.51E-10
CS137	1.03E-04	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.10E-03	1.09E-03
BA137M	2.17E-07	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.03E-03	1.02E-03
BA139	1.28E+01	1.36E-03	8.04E-09	1.65E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.20E-01	7.06E-01	6.72E-01	5.69E-01	4.34E-01	2.53E-01	1.47E-01	4.98E-02	3.33E-03	1.48E-05	6.55E-08
LA140	2.84E-07	2.46E-01	3.96E-01	5.47E-01	4.86E-01	2.91E-01	1.69E-01	5.75E-02	3.82E-03	1.70E-05	7.57E-08
LA141	1.03E+00	4.08E-01	5.72E-03	1.58E-08	8.66E-18	2.58E-36	7.71E-55	0.	0.	0.	0.
CE141	1.27E-07	1.41E-01	1.40E-01	1.31E-01	1.18E-01	9.53E-02	7.68E-02	5.00E-02	1.72E-02	2.02E-03	2.38E-04
LA142	1.69E+00	3.70E-04	7.17E-09	5.27E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.11E-02	4.54E-01	2.75E-01	6.05E-02	4.87E-03	3.15E-05	2.04E-07	8.53E-12	9.63E-23	0.	0.
PR143	3.23E-09	2.91E-02	4.52E-02	5.84E-02	5.01E-02	3.05E-02	1.84E-02	6.66E-03	5.33E-04	3.38E-06	2.15E-08
CE144	5.02E-04	3.59E-03	3.57E-03	3.55E-03	3.51E-03	3.42E-03	3.34E-03	3.18E-03	2.81E-03	2.20E-03	1.73E-03
PR144	1.38E-07	3.59E-03	3.57E-03	3.55E-03	3.51E-03	3.42E-03	3.34E-03	3.18E-03	2.81E-03	2.20E-03	1.73E-03
PR145	2.04E-02	2.09E-01	1.29E-02	3.06E-06	2.79E-12	2.31E-24	1.92E-36	0.	0.	0.	0.
ND147	2.80E-06	4.71E-02	4.43E-02	3.67E-02	2.69E-02	1.44E-02	7.70E-03	2.21E-03	9.70E-05	1.89E-07	3.66E-10
PM147	7.77E-15	3.52E-05	6.82E-05	1.56E-04	2.69E-04	4.11E-04	4.86E-04	5.41E-04	5.46E-04	5.09E-04	4.73E-04
ND149	4.96E+00	4.80E-04	4.65E-08	4.24E-20	3.62E-40	0.	0.	0.	0.	0.	0.
PM149	6.92E-04	1.28E-01	9.35E-02	3.65E-02	7.62E-03	3.32E-04	1.45E-05	2.75E-08	4.34E-15	1.07E-28	2.66E-42
PM150	5.56E-02	1.17E-04	2.47E-07	2.32E-15	9.70E-29	0.	0.	0.	0.	0.	0.

1 MIKE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.36E-02	9.30E-02	5.13E-02	8.63E-03	4.43E-04	1.16E-06	3.06E-09	2.11E-14	2.65E-27	0.	0.
SM153	4.87E-02	3.43E-02	2.40E-02	8.31E-03	1.41E-03	4.11E-05	1.19E-06	1.00E-09	2.07E-17	8.81E-33	3.74E-48
SM156	4.13E-02	7.04E-03	1.20E-03	5.92E-06	8.52E-10	1.75E-17	3.62E-25	1.54E-40	0.	0.	0.
EU155	1.46E-06	4.94E-05	4.93E-05	4.93E-05	4.92E-05	4.90E-05	4.88E-05	4.84E-05	4.75E-05	4.55E-05	4.38E-05
EU156	1.21E-04	9.83E-04	1.09E-03	9.77E-04	7.76E-04	4.87E-04	3.07E-04	1.22E-04	1.21E-05	1.19E-07	1.17E-09
EU157	4.68E-03	5.40E-03	1.82E-03	6.82E-05	2.86E-07	5.05E-12	8.94E-17	2.78E-26	0.	0.	0.
GD159	8.41E-04	1.66E-03	6.59E-04	4.11E-05	4.05E-07	3.92E-11	3.80E-15	3.57E-23	3.05E-43	0.	0.
TB161	1.41E-05	9.21E-05	8.32E-05	6.15E-05	3.73E-05	1.36E-05	4.99E-06	6.69E-07	4.42E-09	1.91E-13	8.32E-18
TOTAL	3.24E+02	6.77E+01	3.04E+01	1.11E+01	5.05E+00	2.07E+00	1.24E+00	6.68E-01	2.67E-01	8.23E-02	4.02E-02

MIKE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.45E-05	2.12E-07	1.97E-08	1.83E-09	1.47E-12	1.18E-15	8.81E-20	5.65E-26	0.	0.	0.
MN 54	1.54E-04	6.64E-05	4.38E-05	2.88E-05	8.22E-06	2.34E-06	4.42E-07	3.61E-08	8.48E-12	3.07E-17	1.11E-22
FE 59	3.35E-04	1.21E-06	7.24E-08	4.36E-09	9.46E-13	2.04E-16	2.66E-21	1.25E-28	0.	0.	0.
CO 57	2.07E-06	8.14E-07	5.10E-07	3.20E-07	7.88E-08	1.94E-08	3.00E-10	1.82E-10	1.59E-14	1.31E-20	0.
CO 58	1.64E-04	4.72E-06	8.01E-07	1.36E-07	6.61E-10	3.22E-12	2.66E-15	6.30E-20	2.41E-35	0.	0.
CO 60	1.68E-06	1.47E-06	1.37E-06	1.28E-06	1.05E-06	8.64E-07	6.63E-07	4.47E-07	1.20E-07	1.67E-08	2.30E-09
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	3.83E-01	9.56E-10	9.31E-10	9.06E-10	8.48E-10	7.87E-10	7.16E-10	6.21E-10	3.86E-10	1.89E-10	9.31E-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	5.63E-06	1.40E-04	1.36E-04	1.31E-04	1.20E-04	1.08E-04	9.50E-05	7.83E-05	4.14E-05	1.58E-05	6.04E-06
SR 89	3.97E-06	9.29E-04	8.13E-05	7.14E-06	4.81E-09	3.25E-12	1.92E-16	8.71E-23	6.33E-44	0.	0.
SR 90	7.56E-06	7.56E-04	7.49E-04	7.42E-04	7.15E-04	6.87E-04	6.54E-04	6.08E-04	4.75E-04	3.28E-04	2.27E-04
Y 90	1.12E-11	7.56E-04	7.49E-04	7.42E-04	7.15E-04	6.87E-04	6.54E-04	6.08E-04	4.75E-04	3.28E-04	2.27E-04
Y 91	2.22E-08	1.50E-03	1.74E-04	2.02E-05	3.17E-08	4.98E-11	9.11E-15	2.24E-20	4.52E-39	0.	0.
ZR 95	1.49E-04	3.84E-04	5.48E-05	7.80E-06	2.27E-08	6.62E-11	2.74E-14	2.31E-19	2.83E-36	0.	0.
NB 95M	3.18E-12	8.13E-06	1.16E-06	1.66E-07	4.82E-10	1.40E-12	5.81E-16	4.90E-21	6.01E-38	0.	0.
NB 95	1.67E-11	8.26E-04	1.19E-04	1.69E-05	4.90E-08	1.42E-10	5.94E-14	5.01E-19	6.14E-36	0.	0.
RU103	1.43E-04	5.57E-04	2.28E-05	9.38E-07	6.40E-11	4.39E-15	1.23E-20	5.79E-29	0.	0.	0.
RH103M	9.56E-09	5.58E-04	2.28E-05	9.38E-07	6.41E-11	4.39E-15	1.23E-20	5.80E-29	0.	0.	0.
RU106	8.73E-04	8.30E-03	5.87E-03	4.16E-03	1.48E-03	5.26E-04	1.32E-04	1.67E-05	1.69E-08	5.43E-13	1.75E-17
RH106	9.44E-06	8.30E-03	5.87E-03	4.16E-03	1.48E-03	5.26E-04	1.32E-04	1.67E-05	1.69E-08	5.43E-13	1.75E-17
SN123	2.43E-05	3.36E-04	1.22E-04	4.43E-05	2.13E-06	1.02E-07	1.78E-09	4.10E-12	6.57E-21	4.23E-34	2.72E-47
SB125	3.31E-04	6.66E-04	5.85E-04	5.15E-04	3.51E-04	2.39E-04	1.43E-04	6.60E-05	5.08E-06	1.08E-07	2.30E-09
TE125M	8.90E-12	2.72E-04	2.42E-04	2.13E-04	1.45E-04	9.88E-05	5.91E-05	2.73E-05	2.10E-06	4.47E-08	9.52E-10
TE127M	5.26E-10	2.52E-04	7.87E-05	2.46E-05	7.58E-07	2.33E-08	2.24E-10	2.11E-13	1.73E-23	1.29E-38	9.64E-54
TE127	3.67E-02	2.49E-04	7.78E-05	2.44E-05	7.49E-07	2.30E-08	2.21E-10	2.09E-13	1.71E-23	1.28E-38	9.55E-54
CS137	1.03E-04	1.09E-03	1.08E-03	1.06E-03	1.03E-03	9.89E-04	9.45E-04	8.84E-04	6.98E-04	4.96E-04	3.50E-04
BA137M	2.17E-07	1.02E-03	1.01E-03	9.95E-04	9.58E-04	9.27E-04	8.84E-04	8.28E-04	6.55E-04	4.63E-04	3.28E-04
CE141	1.27E-07	5.48E-05	1.10E-06	2.21E-08	1.80E-13	1.47E-18	2.41E-25	1.60E-35	0.	0.	0.
CE144	5.02E-04	1.47E-03	9.48E-04	6.05E-04	1.59E-04	4.18E-05	7.02E-06	4.84E-07	6.52E-11	1.02E-16	1.59E-22
PR144	1.38E-07	1.47E-03	9.48E-04	6.05E-04	1.59E-04	4.18E-05	7.02E-06	4.84E-07	6.52E-11	1.02E-16	1.59E-22
PM147	7.77E-15	4.52E-04	3.95E-04	3.46E-04	2.33E-04	1.57E-04	9.20E-05	4.18E-05	2.97E-06	5.61E-08	1.06E-09
EU155	1.46E-06	4.27E-05	3.96E-05	3.69E-05	2.97E-05	2.38E-05	1.78E-05	1.15E-05	2.68E-06	3.02E-07	3.40E-08
TOTAL	4.23E-01	3.05E-02	1.94E-02	1.45E-02	7.58E-03	5.05E-03	3.82E-03	3.19E-03	2.36E-03	1.63E-03	1.14E-03

Appendix B
Detailed Results for Event Bravo

1

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

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TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	9.19E+01	1.38E+04
1.00E+00	2.63E+01	2.71E+03
2.00E+00	1.04E+01	9.21E+02
3.00E+00	5.75E+00	5.41E+02
4.00E+00	3.75E+00	4.11E+02
6.00E+00	2.12E+00	3.04E+02
9.00E+00	1.33E+00	2.30E+02
1.20E+01	1.00E+00	1.88E+02
1.50E+01	8.08E-01	1.59E+02
1.80E+01	6.78E-01	1.37E+02
2.10E+01	5.81E-01	1.20E+02
1.00E+00 DAYS	5.01E-01	1.07E+02
2.00E+00	2.35E-01	5.39E+01
5.00E+00	8.14E-02	1.86E+01
1.00E+01	3.36E-02	6.53E+00
2.00E+01	1.25E-02	2.01E+00
3.00E+01	7.18E-03	1.14E+00
5.00E+01	3.46E-03	5.99E-01
1.00E+02	1.34E-03	2.65E-01
2.00E+02	4.78E-04	1.01E-01
3.00E+02	1.86E-04	5.24E-02
1.00E+00 YEARS	1.07E-04	3.78E-02
1.50E+00	3.26E-05	2.16E-02
2.00E+00	1.85E-05	1.49E-02
3.50E+00	9.76E-06	6.63E-03
5.00E+00	6.99E-06	3.88E-03
7.00E+00	5.52E-06	2.59E-03
1.00E+01	4.63E-06	1.93E-03
2.00E+01	3.40E-06	1.26E-03
3.50E+01	2.39E-06	8.52E-04
5.00E+01	1.69E-06	5.93E-04

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.59E-05	1.59E-05	1.59E-05	1.58E-05	1.58E-05
NA 24	1.22E+00	1.17E+00	1.12E+00	1.07E+00	1.02E+00	9.28E-01	8.08E-01	7.04E-01	6.13E-01	5.34E-01	4.63E-01
MN 54	2.35E-05	2.35E-05	2.35E-05	2.35E-05	2.35E-05	2.35E-05	2.35E-05	2.35E-05	2.33E-05	2.33E-05	2.33E-05
FE 55	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03
FE 59	7.56E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.54E-04	7.52E-04	7.51E-04	7.49E-04	7.48E-04	7.47E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.65E-01	3.46E-01	3.28E-01	3.11E-01	2.94E-01	2.64E-01	2.24E-01	1.91E-01	1.62E-01	1.38E-01	1.17E-01
CU 67	4.43E-04	4.39E-04	4.32E-04	4.28E-04	4.24E-04	4.13E-04	3.98E-04	3.86E-04	3.74E-04	3.60E-04	3.50E-04
W181	6.89E-05	6.89E-05	6.89E-05	6.89E-05	6.89E-05	6.89E-05	6.87E-05	6.87E-05	6.87E-05	6.87E-05	6.87E-05
W185	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	1.09E-02	1.09E-02
W187	2.42E-02	2.35E-02	2.28E-02	2.22E-02	2.16E-02	2.03E-02	1.87E-02	1.71E-02	1.56E-02	1.44E-02	1.32E-02
W188	8.09E-05	8.09E-05	8.09E-05	8.07E-05	8.07E-05	8.07E-05	8.05E-05	8.05E-05	8.03E-05	8.03E-05	8.01E-05
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.31E+00	2.30E+00	2.29E+00	2.28E+00	2.27E+00	2.25E+00	2.22E+00	2.19E+00	2.16E+00	2.13E+00	2.11E+00
U239	5.90E+03	1.01E+03	1.72E+02	2.93E+01	4.97E+00	1.45E-01	7.18E-04	3.54E-06	1.75E-08	8.67E-11	4.29E-13
U240	3.81E+01	3.63E+01	3.46E+01	3.29E+01	3.13E+01	2.84E+01	2.45E+01	2.11E+01	1.82E+01	1.57E+01	1.35E+01
NP239	2.02E-02	3.39E+01	3.91E+01	3.98E+01	3.95E+01	3.85E+01	3.70E+01	3.57E+01	3.45E+01	3.32E+01	3.20E+01
NP240M	6.03E-02	3.64E+01	3.48E+01	3.32E+01	3.16E+01	2.86E+01	2.47E+01	2.13E+01	1.84E+01	1.58E+01	1.37E+01
NP240	1.53E-09	7.85E-10	4.07E-10	2.10E-10	1.09E-10	2.91E-11	4.01E-12	5.54E-13	7.63E-14	1.05E-14	1.45E-15
AM241	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11
CM242	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.70E-08	3.70E-08	3.70E-08	3.70E-08	3.70E-08
GE 75	3.23E-05	1.56E-01	9.42E-02	5.67E-02	3.41E-02	1.24E-02	2.70E-03	5.92E-04	1.29E-04	2.82E-05	6.17E-06
GE 77	1.04E-02	2.67E-02	2.51E-02	2.36E-02	2.22E-02	1.96E-02	1.63E-02	1.36E-02	1.13E-02	9.40E-03	7.83E-03
AS 77	1.07E-04	1.69E-02	1.71E-02	1.72E-02	1.73E-02	1.75E-02	1.75E-02	1.73E-02	1.71E-02	1.67E-02	1.63E-02
SE 77M	4.22E-09	5.06E-05	5.14E-05	5.18E-05	5.18E-05	5.22E-05	5.26E-05	5.22E-05	5.14E-05	5.03E-05	4.87E-05
GE 78	1.10E+00	6.90E-01	4.30E-01	2.69E-01	1.68E-01	6.52E-02	1.58E-02	3.84E-03	9.36E-04	2.27E-04	5.52E-05
AS 78	1.99E-02	3.30E-01	4.07E-01	3.81E-01	3.18E-01	1.88E-01	6.98E-02	2.32E-02	7.17E-03	2.14E-03	6.21E-04
AS 79	1.75E+01	1.73E-01	1.70E-03	1.67E-05	1.65E-07	1.60E-11	1.52E-17	1.45E-23	1.39E-29	1.32E-35	1.26E-41
SE 79M	2.59E-02	3.04E-01	3.00E-03	2.96E-05	2.91E-07	2.82E-11	2.69E-17	2.56E-23	2.45E-29	2.34E-35	2.23E-41
BR 80	9.46E-02	8.93E-03	8.39E-04	7.89E-05	7.43E-06	6.59E-08	5.52E-11	4.60E-14	3.83E-17	3.20E-20	2.67E-23
SE 81M	7.33E-02	3.42E+00	1.65E+00	7.93E-01	3.82E-01	8.92E-02	9.97E-03	1.12E-03	1.25E-04	1.41E-05	1.58E-06
SE 81	8.95E-01	4.04E+00	2.34E+00	1.17E+00	5.67E-01	1.32E-01	1.48E-02	1.66E-03	1.86E-04	2.09E-05	2.33E-06
BR 82	3.86E-04	3.78E-04	3.71E-04	3.64E-04	3.56E-04	3.43E-04	3.23E-04	3.05E-04	2.87E-04	2.71E-04	2.55E-04
SE 83	3.55E+01	6.73E+00	1.28E+00	2.42E-01	4.57E-02	1.65E-03	1.12E-05	7.60E-08	5.19E-10	3.52E-12	2.24E-14
BR 83	2.95E-01	4.40E+00	4.08E+00	3.21E+00	2.43E+00	1.38E+00	5.82E-01	2.45E-01	1.03E-01	4.36E-02	1.84E-02
KR 83M	1.52E-05	9.97E-01	2.04E+00	2.53E+00	2.61E+00	2.18E+00	1.28E+00	6.61E-01	3.18E-01	1.47E-01	6.61E-02

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	6.82E-02	1.18E+01	3.18E+00	8.61E-01	2.32E-01	1.70E-02	3.36E-04	6.64E-06	1.31E-07	2.60E-09	5.13E-11
KR 85M	2.90E-03	6.21E+00	5.28E+00	4.51E+00	3.86E+00	2.82E+00	1.75E+00	1.10E+00	6.83E-01	4.24E-01	2.65E-01
KR 87	3.71E+01	2.14E+01	1.24E+01	7.16E+00	4.13E+00	1.39E+00	2.69E-01	5.21E-02	1.01E-02	1.95E-03	3.78E-04
KR 88	2.21E+01	1.73E+01	1.35E+01	1.05E+01	8.21E+00	4.99E+00	2.38E+00	1.13E+00	5.39E-01	2.57E-01	1.22E-01
RB 88	5.62E+00	1.75E+01	1.49E+01	1.17E+01	9.18E+00	5.59E+00	2.67E+00	1.27E+00	6.05E-01	2.88E-01	1.37E-01
RB 89	2.74E+01	2.58E+01	1.73E+00	1.16E-01	7.80E-03	3.53E-05	1.07E-08	3.22E-12	9.82E-16	2.97E-19	9.02E-23
SR 89	2.10E-06	7.37E-02	7.86E-02	7.86E-02	7.86E-02	7.86E-02	7.86E-02	7.83E-02	7.83E-02	7.80E-02	7.80E-02
SR 90	3.96E-06	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04
SR 91	5.44E-01	1.01E+01	9.45E+00	8.80E+00	8.18E+00	7.08E+00	5.72E+00	4.62E+00	3.73E+00	2.99E+00	2.42E+00
Y 91M	3.66E-05	3.49E+00	4.76E+00	5.10E+00	5.03E+00	4.52E+00	3.70E+00	2.97E+00	2.40E+00	1.93E+00	1.56E+00
Y 91	1.50E-08	3.10E-03	7.15E-03	1.14E-02	1.56E-02	2.34E-02	3.32E-02	4.11E-02	4.76E-02	5.27E-02	5.68E-02
SR 92	7.23E+00	3.23E+01	2.50E+01	1.94E+01	1.50E+01	8.97E+00	4.17E+00	1.94E+00	8.97E-01	4.17E-01	1.94E-01
Y 92	3.33E-01	6.79E+00	1.07E+01	1.27E+01	1.34E+01	1.28E+01	9.82E+00	6.69E+00	4.30E+00	2.65E+00	1.60E+00
SR 93	3.12E+02	5.37E+00	2.97E-02	1.64E-04	9.04E-07	2.77E-11	4.66E-18	7.87E-25	1.33E-31	2.24E-38	3.77E-45
Y 93	3.81E-01	1.23E+01	1.16E+01	1.08E+01	1.01E+01	8.83E+00	7.19E+00	5.87E+00	4.77E+00	3.91E+00	3.18E+00
Y 94	4.69E+01	6.41E+01	8.25E+00	1.06E+00	1.37E-01	2.28E-03	4.89E-06	1.05E-08	2.24E-11	4.89E-14	2.71E-15
Y 95	2.05E+02	1.93E+01	4.26E-01	9.40E-03	2.07E-04	1.00E-07	1.08E-12	1.15E-17	1.23E-22	1.31E-27	1.40E-32
ZR 95	7.71E-04	1.01E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01
NB 95	8.59E-11	6.22E-05	1.45E-04	2.28E-04	3.11E-04	4.77E-04	7.23E-04	9.74E-04	1.22E-03	1.46E-03	1.71E-03
ZR 97	2.04E+00	8.87E+00	8.48E+00	8.17E+00	7.82E+00	7.22E+00	6.38E+00	5.64E+00	5.01E+00	4.42E+00	3.93E+00
NB 97M	1.05E-02	8.52E+00	8.17E+00	7.85E+00	7.53E+00	6.94E+00	6.13E+00	5.43E+00	4.80E+00	4.24E+00	3.75E+00
NB 97	1.02E+00	4.45E+00	6.27E+00	7.15E+00	7.50E+00	7.46E+00	6.80E+00	6.06E+00	5.36E+00	4.73E+00	4.21E+00
NB 98	1.16E+01	5.14E+00	2.27E+00	1.01E+00	4.46E-01	8.72E-02	7.54E-03	6.51E-04	5.67E-05	4.91E-06	4.23E-07
MO 99	6.19E-03	2.55E+00	2.53E+00	2.50E+00	2.48E+00	2.42E+00	2.35E+00	2.28E+00	2.21E+00	2.14E+00	2.08E+00
TC 99M	5.75E-08	2.44E-01	4.57E-01	6.46E-01	8.12E-01	1.08E+00	1.38E+00	1.56E+00	1.68E+00	1.74E+00	1.77E+00
MO101	9.72E+01	4.39E+01	2.55E+00	1.48E-01	8.58E-03	2.87E-05	5.58E-09	1.09E-12	2.11E-16	4.10E-20	8.00E-24
TC101	4.10E+00	1.23E+02	1.35E+01	1.10E+00	8.04E-02	3.63E-04	9.07E-08	2.03E-11	4.31E-15	8.86E-19	1.79E-22
MO102	9.03E+02	2.06E+01	4.69E-01	1.07E-02	2.44E-04	1.27E-07	1.51E-12	1.79E-17	2.12E-22	2.52E-27	2.99E-32
TC102M	5.80E-01	1.74E+01	3.99E-01	9.12E-03	2.08E-04	1.07E-07	1.28E-12	1.51E-17	1.79E-22	2.13E-27	2.53E-32
TC102	2.72E+03	1.04E+01	2.36E-01	5.37E-03	1.23E-04	6.41E-08	7.61E-13	9.03E-18	1.07E-22	1.27E-27	1.50E-32
RU103	7.20E-05	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.66E-01	1.66E-01	1.66E-01	1.65E-01	1.65E-01	1.64E-01
RH103M	4.80E-09	8.63E-02	1.28E-01	1.48E-01	1.58E-01	1.64E-01	1.66E-01	1.66E-01	1.65E-01	1.65E-01	1.65E-01
TC104	5.76E+01	4.14E+01	4.14E+00	4.10E-01	4.05E-02	3.99E-04	3.90E-07	3.81E-10	3.72E-13	3.63E-16	3.55E-19
RU105	4.70E-01	1.62E+01	1.39E+01	1.19E+01	1.02E+01	7.44E+00	4.66E+00	2.91E+00	1.82E+00	1.14E+00	7.16E-01
RH105M	3.09E-03	1.63E+01	1.39E+01	1.19E+01	1.02E+01	7.47E+00	4.66E+00	2.92E+00	1.83E+00	1.14E+00	7.16E-01
RH105	5.07E-09	3.30E-01	6.14E-01	8.47E-01	1.04E+00	1.33E+00	1.59E+00	1.71E+00	1.75E+00	1.73E+00	1.69E+00
RU106	4.42E-04	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03
RH106	4.78E-06	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03
RH107	1.29E-01	1.75E+01	2.66E+00	4.00E-01	6.04E-02	1.38E-03	4.74E-06	1.64E-08	5.63E-11	1.93-146	1.92E-17
PD107M	2.68E-04	3.57E+00	5.39E-01	8.15E-02	1.23E-02	2.80E-04	9.65E-07	3.33E-09	1.15E-11	3.95E-14	1.35E-16

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.46E-02	1.21E+00	1.15E+00	1.09E+00	1.04E+00	9.37E-01	8.06E-01	6.91E-01	5.92E-01	5.07E-01	4.36E-01
AG109M	8.44E-05	1.21E+00	1.15E+00	1.10E+00	1.04E+00	9.40E-01	8.06E-01	6.91E-01	5.92E-01	5.07E-01	4.36E-01
PD111M	1.75E+00	1.54E+00	1.36E+00	1.20E+00	1.06E+00	8.24E-01	5.64E-01	3.86E-01	2.65E-01	1.81E-01	1.24E-01
PD111	6.24E-01	1.12E+00	1.08E+00	9.61E-01	8.50E-01	6.60E-01	4.53E-01	3.11E-01	2.12E-01	1.46E-01	1.00E-01
AG111M	4.96E-03	1.52E+00	1.43E+00	1.27E+00	1.12E+00	8.70E-01	5.94E-01	4.07E-01	2.79E-01	1.92E-01	1.31E-01
AG111	1.77E-09	5.23E-03	1.10E-02	1.61E-02	2.07E-02	2.82E-02	3.63E-02	4.16E-02	4.50E-02	4.72E-02	4.85E-02
PD112	5.25E-01	5.09E-01	4.91E-01	4.75E-01	4.61E-01	4.30E-01	3.90E-01	3.53E-01	3.20E-01	2.89E-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	3.71E-01	3.53E-01	3.29E-01	3.04E-01
AG113	6.35E-03	1.36E+00	1.19E+00	1.05E+00	9.17E-01	7.05E-01	4.77E-01	3.22E-01	2.18E-01	1.47E-01	9.93E-02
AG115	2.35E+00	2.51E+00	3.13E-01	3.91E-02	4.89E-03	7.65E-05	1.49E-07	2.92E-10	5.66E-13	5.62-162	5.21E-16
CD115M	1.92E-08	5.10E-04	5.73E-04	5.81E-04	5.81E-04	5.81E-04	5.79E-04	5.79E-04	5.77E-04	5.75E-04	5.75E-04
CD115	7.41E-06	1.40E-01	1.50E-01	1.50E-01	1.48E-01	1.44E-01	1.39E-01	1.33E-01	1.28E-01	1.24E-01	1.19E-01
IN115M	9.23E-11	1.54E-02	3.42E-02	5.08E-02	6.48E-02	8.64E-02	1.07E-01	1.17E-01	1.22E-01	1.24E-01	1.23E-01
CD117	1.68E-01	2.79E+00	2.11E+00	1.57E+00	1.18E+00	6.61E-01	2.78E-01	1.17E-01	4.92E-02	2.07E-02	8.70E-03
IN117M	8.07E-06	9.72E-01	1.41E+00	1.53E+00	1.48E+00	1.16E+00	6.65E-01	3.40E-01	1.64E-01	7.58E-02	3.42E-02
IN117	3.25E-10	1.77E-01	4.29E-01	5.96E-01	6.65E-01	6.12E-01	3.90E-01	2.09E-01	1.04E-01	4.88E-02	2.24E-02
CD118	1.11E+01	4.76E+00	2.04E+00	8.71E-01	3.73E-01	6.83E-02	5.36E-03	4.19E-04	3.29E-05	2.58E-06	2.02E-07
IN118	7.36E-01	4.76E+00	2.04E+00	8.73E-01	3.73E-01	6.85E-02	5.36E-03	4.21E-04	3.29E-05	2.58E-06	2.02E-07
CD119	2.77E+01	4.33E-01	6.75E-03	1.06E-04	1.65E-06	4.04E-10	1.54E-15	5.88E-21	2.24E-26	8.55E-32	3.27E-37
IN119M	4.18E-02	4.68E+00	5.09E-01	5.13E-02	5.11E-03	5.03E-05	4.91E-08	4.80E-11	4.68E-14	4.57E-17	4.47E-20
IN119	2.06E+00	2.46E-01	2.86E-02	2.90E-03	2.90E-04	2.84E-06	2.77E-09	2.71E-12	2.65E-15	2.59E-18	2.53E-21
SN121	3.43E-03	3.53E-01	3.43E-01	3.35E-01	3.27E-01	3.11E-01	2.86E-01	2.66E-01	2.46E-01	2.28E-01	2.12E-01
SN123M	1.67E+00	3.13E+00	1.11E+00	3.92E-01	1.38E-01	1.73E-02	7.65E-04	3.39E-05	1.50E-06	6.61E-08	2.92E-09
SN123	1.57E-05	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
SN125	3.55E-02	3.54E-02	3.53E-02	3.52E-02	3.50E-02	3.48E-02	3.45E-02	3.42E-02	3.39E-02	3.35E-02	3.32E-02
SB125	2.13E-04	2.14E-04	2.15E-04	2.16E-04	2.17E-04	2.19E-04	2.22E-04	2.25E-04	2.28E-04	2.31E-04	2.33E-04
SB126	4.29E-03	4.27E-03	4.27E-03	4.26E-03	4.25E-03	4.22E-03	4.20E-03	4.17E-03	4.14E-03	4.11E-03	4.08E-03
SN127	3.55E+00	2.55E+00	1.83E+00	1.32E+00	9.51E-01	4.90E-01	1.82E-01	6.77E-02	2.51E-02	9.34E-03	3.47E-03
SB127	4.14E-02	1.43E-01	1.58E-01	1.68E-01	1.76E-01	1.83E-01	1.86E-01	1.84E-01	1.82E-01	1.78E-01	1.74E-01
TE127	2.34E-02	2.91E-02	3.54E-02	4.20E-02	4.86E-02	6.09E-02	7.80E-02	9.11E-02	1.01E-01	1.09E-01	1.14E-01
SN128	1.84E+01	9.07E+00	4.49E+00	2.22E+00	1.10E+00	2.68E-01	3.23E-02	3.90E-03	4.71E-04	5.71E-05	6.88E-06
SB128M	9.37E-03	1.03E+01	5.37E+00	2.65E+00	1.31E+00	3.20E-01	3.85E-02	4.65E-03	5.61E-04	6.78E-05	8.20E-06
SB128	7.76E-01	7.46E-01	7.02E-01	6.59E-01	6.15E-01	5.27E-01	4.21E-01	3.34E-01	2.65E-01	2.10E-01	1.67E-01
SN129M	9.50E+00	4.73E+00	2.37E+00	1.19E+00	5.93E-01	1.48E-01	1.86E-02	2.32E-03	2.90E-04	3.62E-05	4.53E-06
SN129	6.33E+01	6.21E-01	6.13E-03	6.05E-05	5.93E-07	5.77E-11	5.49E-17	5.25E-23	5.01E-29	4.77E-35	4.57E-41
SB129	3.56E+00	5.97E+00	5.61E+00	5.01E+00	4.41E+00	3.27E+00	2.04E+00	1.26E+00	7.77E-01	4.81E-01	2.96E-01
TE129M	6.73E-08	7.45E-04	1.53E-03	2.26E-03	2.90E-03	3.93E-03	4.97E-03	5.61E-03	6.01E-03	6.25E-03	6.41E-03
TE129	2.56E+00	3.53E+00	4.13E+00	4.29E+00	4.13E+00	3.42E+00	2.28E+00	1.43E+00	8.94E-01	5.53E-01	3.43E-01
SB130M	3.43E-01	6.47E-01	1.70E-03	4.46E-06	1.17E-08	8.10E-14	1.48E-21	2.68E-29	4.87E-37	8.85E-45	1.61E-52
SB130	5.87E+01	1.78E+01	5.05E+00	1.43E+00	4.05E-01	3.26E-02	7.43E-04	1.69E-05	3.87E-07	8.81E-09	2.01E-10

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.64E-02	1.55E-02	1.46E-02	1.38E-02	1.31E-02	1.17E-02	9.89E-03	8.36E-03	7.06E-03	5.98E-03	5.05E-03
SB131	1.32E+02	3.45E+01	5.64E+00	9.26E-01	1.52E-01	4.09E-03	1.80E-05	7.96E-08	3.50E-10	1.54E-12	7.70E-15
TE131M	6.36E-05	3.33E-01	3.79E-01	3.80E-01	3.73E-01	3.56E-01	3.32E-01	3.10E-01	2.89E-01	2.70E-01	2.52E-01
TE131	5.85E+01	6.36E+01	2.07E+01	5.39E+00	1.31E+00	1.23E-01	6.10E-02	5.64E-02	5.26E-02	4.92E-02	4.59E-02
I131	8.50E-03	2.95E-01	4.34E-01	4.76E-01	4.84E-01	4.88E-01	4.88E-01	4.84E-01	4.84E-01	4.80E-01	4.80E-01
TE132	6.88E-01	1.67E+00	1.65E+00	1.64E+00	1.63E+00	1.60E+00	1.55E+00	1.51E+00	1.48E+00	1.43E+00	1.40E+00
I132	1.69E+00	1.68E+00	1.68E+00	1.67E+00	1.66E+00	1.64E+00	1.60E+00	1.56E+00	1.52E+00	1.48E+00	1.44E+00
TE133M	8.01E-02	2.78E+01	1.21E+01	5.26E+00	2.29E+00	4.35E-01	3.58E-02	2.95E-03	2.43E-04	2.01E-05	1.66E-06
TE133	4.50E+02	2.55E+01	2.84E+00	9.38E-01	3.97E-01	7.52E-02	6.22E-03	5.11E-04	4.23E-05	3.48E-06	2.87E-07
I133	6.98E-01	7.52E+00	8.13E+00	8.13E+00	7.97E+00	7.55E+00	6.87E+00	6.22E+00	5.61E+00	5.11E+00	4.62E+00
XE133M	2.97E-08	1.69E-03	4.08E-03	6.52E-03	8.89E-03	1.34E-02	1.93E-02	2.45E-02	2.89E-02	3.27E-02	3.58E-02
XE133	5.19E-07	2.95E-02	7.17E-02	1.14E-01	1.57E-01	2.38E-01	3.49E-01	4.46E-01	5.34E-01	6.10E-01	6.79E-01
TE134	1.41E+02	6.52E+01	2.43E+01	9.02E+00	3.35E+00	4.64E-01	2.37E-02	1.22E-03	6.22E-05	3.20E-06	1.64E-07
I134	6.44E+01	8.62E+01	6.04E+01	3.54E+01	1.90E+01	4.82E+00	5.30E-01	5.41E-02	5.30E-03	5.08E-04	4.82E-05
I135	1.17E+01	2.06E+01	1.86E+01	1.67E+01	1.51E+01	1.22E+01	8.99E+00	6.58E+00	4.83E+00	3.56E+00	2.60E+00
XE135M	1.29E-03	5.94E+00	5.77E+00	5.24E+00	4.70E+00	3.83E+00	2.81E+00	2.06E+00	1.51E+00	1.11E+00	8.12E-01
XE135	1.35E+00	2.66E+00	3.89E+00	4.90E+00	5.71E+00	6.85E+00	7.58E+00	7.62E+00	7.25E+00	6.61E+00	5.91E+00
CS136	1.29E-03	1.29E-03	1.29E-03	1.29E-03	1.28E-03	1.28E-03	1.27E-03	1.26E-03	1.25E-03	1.24E-03	1.23E-03
CS137	5.35E-05	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04
BA137M	1.13E-07	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04
XE138	4.51E+02	3.88E+01	3.37E+00	2.92E-01	2.53E-02	1.90E-04	1.23E-07	8.00E-11	5.21E-14	3.38E-17	2.20E-20
CS138	6.71E+01	1.13E+02	3.91E+01	1.15E+01	3.22E+00	2.45E-01	5.10E-03	1.06E-04	2.20E-06	4.58E-08	9.47E-10
CS139	3.58E+02	1.14E+01	1.43E-01	1.80E-03	2.26E-05	3.55E-09	7.06E-15	1.39E-20	2.76E-26	5.47E-32	1.08E-37
BA139	6.61E+00	7.37E+01	4.54E+01	2.76E+01	1.67E+01	6.13E+00	1.36E+00	3.02E-01	6.71E-02	1.49E-02	3.30E-03
BA140	8.31E-02	5.18E-01	5.18E-01	5.14E-01	5.14E-01	5.10E-01	5.10E-01	5.06E-01	5.03E-01	4.99E-01	4.95E-01
LA140	1.97E-07	8.86E-03	1.76E-02	2.61E-02	3.44E-02	5.06E-02	7.40E-02	9.58E-02	1.16E-01	1.36E-01	1.54E-01
BA141	1.44E+02	4.35E+01	4.32E+00	4.29E-01	4.25E-02	4.22E-04	4.11E-07	4.01E-10	3.91E-13	3.84E-16	3.74E-19
LA141	1.33E+00	2.82E+01	2.63E+01	2.23E+01	1.87E+01	1.31E+01	7.68E+00	4.49E+00	2.64E+00	1.55E+00	9.09E-01
CE141	1.65E-07	1.83E-02	4.29E-02	6.45E-02	8.26E-02	1.11E-01	1.37E-01	1.53E-01	1.62E-01	1.67E-01	1.70E-01
BA142	3.77E+02	1.50E+01	3.42E-01	7.80E-03	1.78E-04	9.23E-08	1.10E-12	1.30E-17	1.54E-22	1.83E-27	2.17E-32
LA142	8.66E+00	6.01E+01	3.96E+01	2.52E+01	1.60E+01	6.49E+00	1.67E+00	4.31E-01	1.11E-01	2.86E-02	7.38E-03
LA143	1.42E+02	2.76E+01	1.42E+00	7.28E-02	3.74E-03	9.79E-06	1.32E-09	1.78E-13	2.40E-17	3.23E-21	4.37E-25
CE143	5.66E-02	3.60E+00	3.74E+00	3.64E+00	3.57E+00	3.44E+00	3.22E+00	3.03E+00	2.84E+00	2.67E+00	2.50E+00
PR143	1.65E-08	5.52E-03	1.33E-02	2.11E-02	2.86E-02	4.33E-02	6.38E-02	8.33E-02	1.01E-01	1.18E-01	1.34E-01
CE144	2.55E-03	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.82E-02	1.82E-02	1.82E-02	1.82E-02	1.82E-02
PR144	7.00E-07	1.66E-02	1.81E-02	1.82E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.82E-02	1.82E-02	1.82E-02
PR145	1.04E-01	1.53E+01	1.36E+01	1.21E+01	1.08E+01	8.55E+00	6.03E+00	4.25E+00	3.01E+00	2.13E+00	1.50E+00
CE146	3.38E+02	1.74E+01	8.89E-01	4.55E-02	2.34E-03	6.17E-06	8.30E-10	1.12E-13	1.51E-17	2.03E-21	2.74E-25
PR146	7.00E+00	6.09E+01	1.38E+01	2.59E+00	4.66E-01	1.47E-02	8.10E-05	4.47E-07	2.47E-09	1.37E-11	7.47E-14
PR147	3.99E+01	1.15E+01	3.60E-01	1.12E-02	3.52E-04	3.44E-07	1.05E-11	3.20E-16	9.77E-21	2.99E-25	9.10E-30

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.42E-05	2.68E-01	2.75E-01	2.75E-01	2.74E-01	2.73E-01	2.71E-01	2.69E-01	2.67E-01	2.64E-01	2.62E-01
ND149	2.50E+01	1.70E+01	1.16E+01	7.89E+00	5.34E+00	2.48E+00	7.80E-01	2.46E-01	7.75E-02	2.44E-02	7.70E-03
PM149	3.48E-03	2.72E-01	4.52E-01	5.72E-01	6.47E-01	7.28E-01	7.56E-01	7.42E-01	7.23E-01	6.95E-01	6.71E-01
PM150	2.82E-01	2.18E-01	1.69E-01	1.30E-01	1.01E-01	6.04E-02	2.80E-02	1.29E-02	6.00E-03	2.78E-03	1.29E-03
ND151	1.09E+02	3.42E+00	1.07E-01	3.34E-03	1.05E-04	1.02E-07	3.12E-12	9.53E-17	2.90E-21	8.85E-26	2.71E-30
PM151	6.94E-02	8.11E-01	8.16E-01	7.97E-01	7.77E-01	7.38E-01	6.84E-01	6.35E-01	5.91E-01	5.47E-01	5.08E-01
PM152	1.72E+02	1.68E-01	1.64E-04	1.60E-07	1.56E-10	1.49E-16	1.39E-25	1.30E-34	1.21E-43	1.13E-52	1.05E-61
SM153	2.49E-01	2.45E-01	2.42E-01	2.38E-01	2.35E-01	2.28E-01	2.18E-01	2.08E-01	2.00E-01	1.91E-01	1.83E-01
SM155	1.13E+01	1.86E+00	3.05E-01	4.99E-02	8.18E-03	2.20E-04	9.72E-07	4.28E-09	1.89E-11	8.40E-14	2.06E-16
EU155	8.33E-06	2.37E-04	2.75E-04	2.81E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04
SM156	2.18E-01	2.03E-01	1.88E-01	1.75E-01	1.62E-01	1.40E-01	1.12E-01	9.01E-02	7.23E-02	5.79E-02	4.63E-02
EU156	6.38E-04	1.04E-03	1.41E-03	1.76E-03	2.08E-03	2.66E-03	3.38E-03	3.91E-03	4.38E-03	4.72E-03	4.98E-03
EU157	2.50E-02	8.29E-02	7.91E-02	7.56E-02	7.21E-02	6.59E-02	5.75E-02	5.02E-02	4.37E-02	3.81E-02	3.32E-02
EU158	7.89E-01	3.20E-01	1.29E-01	5.24E-02	2.12E-02	3.47E-03	2.31E-04	1.53E-05	1.02E-06	6.75E-08	4.49E-09
EU159	1.10E+00	1.09E-01	1.08E-02	1.07E-03	1.06E-04	1.05E-06	1.02E-09	1.00E-12	9.76E-16	9.54E-19	9.32E-22
GD159	4.70E-03	2.06E-02	2.14E-02	2.08E-02	2.00E-02	1.85E-02	1.65E-02	1.47E-02	1.31E-02	1.16E-02	1.04E-02
TB161	8.51E-05	6.12E-04	6.08E-04	6.06E-04	6.04E-04	5.98E-04	5.92E-04	5.84E-04	5.76E-04	5.70E-04	5.62E-04
TOTAL	1.38E+04	2.71E+03	9.21E+02	5.41E+02	4.11E+02	3.04E+02	2.30E+02	1.88E+02	1.59E+02	1.37E+02	1.20E+02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.60E-05	1.58E-05	1.56E-05	1.50E-05	1.41E-05	1.23E-05	1.08E-05	8.34E-06	4.36E-06	1.19E-06	3.22E-07
NA 24	1.22E+00	4.04E-01	1.33E-01	4.78E-03	1.87E-05	2.86E-10	4.36E-15	1.01E-24	0.	0.	0.
MN 54	2.35E-05	2.33E-05	2.33E-05	2.29E-05	2.27E-05	2.23E-05	2.19E-05	2.08E-05	1.86E-05	1.48E-05	1.18E-05
FE 55	1.52E-03	1.52E-03	1.52E-03	1.51E-03	1.50E-03	1.50E-03	1.48E-03	1.46E-03	1.41E-03	1.31E-03	1.22E-03
FE 59	7.56E-04	7.44E-04	7.33E-04	7.00E-04	6.48E-04	5.56E-04	4.76E-04	3.50E-04	1.63E-04	3.47E-05	7.44E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.65E-01	9.95E-02	2.71E-02	5.52E-04	8.27E-07	1.88E-12	4.26E-18	2.19E-29	0.	0.	0.
CU 67	4.43E-04	3.38E-04	2.58E-04	1.15E-04	2.99E-05	2.02E-06	1.36E-07	6.18E-10	8.64E-16	0.	0.
W181	6.89E-05	6.87E-05	6.80E-05	6.71E-05	6.50E-05	6.16E-05	5.80E-05	5.18E-05	3.89E-05	2.19E-05	1.23E-05
W185	1.10E-02	1.08E-02	1.07E-02	1.04E-02	1.00E-02	9.10E-03	8.30E-03	6.90E-03	4.35E-03	1.73E-03	6.87E-04
W187	2.42E-02	1.21E-02	5.99E-03	7.48E-04	2.30E-05	2.19E-08	2.07E-11	1.87E-19	0.	0.	0.
W188	8.09E-05	7.99E-05	7.92E-05	7.69E-05	7.33E-05	6.61E-05	5.99E-05	4.91E-05	2.97E-05	1.10E-05	4.03E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.31E+00	2.08E+00	1.88E+00	1.38E+00	8.25E-01	2.96E-01	1.06E-01	1.36E-02	8.00E-05	8.60E-09	5.80E-09
U240	3.81E+01	1.17E+01	3.60E+00	1.04E-01	2.86E-04	2.15E-09	1.62E-14	9.14E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.02E-02	3.08E+01	2.30E+01	9.48E+00	2.17E+00	1.13E-01	5.93E-03	1.63E-05	6.40E-12	1.53E-21	1.53E-21
NP240M	6.03E-02	1.18E+01	3.63E+00	1.05E-01	2.89E-04	2.17E-09	1.63E-14	9.21E-25	0.	0.	0.
AM241	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.87E-11
CM242	3.72E-08	3.70E-08	3.68E-08	3.64E-08	3.57E-08	3.41E-08	3.28E-08	3.01E-08	2.45E-08	1.59E-08	1.04E-08
GE 77	1.04E-02	6.52E-03	1.49E-03	1.80E-05	1.15E-08	4.64E-15	1.87E-21	3.06E-34	0.	0.	0.
AS 77	1.07E-04	1.58E-02	1.14E-02	3.31E-03	3.87E-04	5.26E-06	7.14E-08	1.32E-11	6.10E-21	1.31E-39	2.81E-58
SE 77M	4.22E-09	4.76E-05	3.43E-05	9.94E-06	1.16E-06	1.58E-08	2.14E-10	3.95E-14	1.83E-23	3.91E-42	8.44E-61
AS 78	1.99E-02	1.77E-04	5.18E-09	4.37E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	3.86E-04	2.41E-04	1.50E-04	3.65E-05	3.46E-06	3.11E-08	2.79E-10	2.25E-14	1.32E-24	4.52E-45	1.54E-65
BR 83	2.95E-01	7.77E-03	7.81E-06	7.94E-15	8.10E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.52E-05	3.40E-02	3.86E-05	3.47E-14	3.56E-29	0.	0.	0.	0.	0.	0.
KR 85M	2.90E-03	1.65E-01	3.77E-03	4.47E-08	2.76E-16	1.05E-32	3.97E-49	0.	0.	0.	0.
KR 85	3.00E-06	7.87E-05	8.02E-05	8.02E-05	8.02E-05	8.02E-05	8.02E-05	7.98E-05	7.91E-05	7.75E-05	7.64E-05
KR 87	3.71E+01	7.32E-05	1.45E-10	1.12E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.21E+01	5.82E-02	1.53E-04	2.77E-12	3.49E-25	0.	0.	0.	0.	0.	0.
RB 88	5.62E+00	6.48E-02	1.71E-04	3.10E-12	3.89E-25	0.	0.	0.	0.	0.	0.
SR 89	2.10E-06	6.29E-02	6.20E-02	5.95E-02	5.59E-02	4.88E-02	4.27E-02	3.28E-02	1.68E-02	4.42E-03	1.17E-03
SR 90	3.96E-06	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.03E-04	4.03E-04	3.99E-04
Y 90	5.87E-12	9.32E-05	1.65E-04	2.96E-04	3.78E-04	4.03E-04	4.07E-04	4.07E-04	4.03E-04	4.03E-04	3.99E-04
SR 91	5.44E-01	1.95E+00	3.49E-01	2.00E-03	3.66E-07	1.24E-14	4.21E-22	4.79E-37	0.	0.	0.

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.66E-05	1.26E+00	2.25E-01	1.29E-03	2.38E-07	8.01E-15	2.71E-22	3.09E-37	0.	0.	0.
Y 91	1.50E-08	5.99E-02	7.08E-02	7.08E-02	6.67E-02	5.92E-02	5.27E-02	4.18E-02	2.31E-02	7.12E-03	2.19E-03
SR 92	7.23E+00	9.01E-02	1.94E-04	1.95E-12	9.14E-26	0.	0.	0.	0.	0.	0.
Y 92	3.33E-01	9.45E-01	1.05E-02	8.07E-09	4.71E-19	1.61E-39	5.51E-60	0.	0.	0.	0.
Y 93	3.81E-01	2.57E+00	5.02E-01	3.77E-03	1.09E-06	8.97E-14	7.40E-21	5.05E-35	0.	0.	0.
ZR 95	7.71E-04	9.64E-02	9.53E-02	9.23E-02	8.76E-02	7.84E-02	7.07E-02	5.71E-02	3.35E-02	1.15E-02	3.96E-03
NB 95M	1.64E-11	3.26E-04	5.95E-04	1.14E-03	1.53E-03	1.62E-03	1.49E-03	1.21E-03	7.10E-04	2.44E-04	8.42E-05
NB 95	8.59E-11	1.86E-03	3.69E-03	8.82E-03	1.64E-02	2.83E-02	3.65E-02	4.53E-02	4.36E-02	2.10E-02	8.05E-03
ZR 97	2.04E+00	3.47E+00	1.30E+00	6.90E-02	5.19E-04	2.92E-08	1.64E-12	5.19E-21	2.93E-42	0.	0.
NB 97M	1.05E-02	3.33E+00	1.25E+00	6.66E-02	4.98E-04	2.80E-08	1.58E-12	4.98E-21	2.81E-42	0.	0.
NB 97	1.02E+00	3.48E+00	1.31E+00	6.94E-02	5.22E-04	3.14E-08	1.77E-12	5.61E-21	3.15E-42	0.	0.
MO 99	6.19E-03	2.01E+00	1.57E+00	7.45E-01	2.16E-01	1.80E-02	1.50E-03	1.05E-05	4.26E-11	7.02E-22	1.15E-32
TC 99M	5.75E-08	1.77E+00	1.49E+00	7.13E-01	2.06E-01	1.72E-02	1.43E-03	1.00E-05	4.06E-11	6.70E-22	1.10E-32
RU103	7.20E-05	1.64E-01	1.61E-01	1.53E-01	1.40E-01	1.18E-01	9.88E-02	6.97E-02	2.90E-02	5.03E-03	8.77E-04
RH103M	4.80E-09	1.64E-01	1.62E-01	1.53E-01	1.40E-01	1.18E-01	9.88E-02	6.97E-02	2.90E-02	5.03E-03	8.77E-04
RU105	4.70E-01	4.49E-01	1.06E-02	1.39E-07	1.01E-15	5.42E-32	2.90E-48	0.	0.	0.	0.
RH105M	3.09E-03	4.49E-01	1.06E-02	1.39E-07	1.02E-15	5.45E-32	2.91E-48	0.	0.	0.	0.
RH105	5.07E-09	1.62E+00	1.06E+00	2.64E-01	2.60E-02	2.53E-04	2.46E-06	2.32E-10	2.01E-20	1.51E-40	1.13E-60
RU106	4.42E-04	8.37E-03	8.33E-03	8.29E-03	8.22E-03	8.08E-03	7.90E-03	7.61E-03	6.92E-03	5.72E-03	4.74E-03
RH106	4.78E-06	8.37E-03	8.33E-03	8.29E-03	8.22E-03	8.08E-03	7.90E-03	7.61E-03	6.92E-03	5.72E-03	4.74E-03
PD109	1.46E-02	3.73E-01	1.09E-01	2.69E-03	5.67E-06	2.53E-11	1.13E-16	2.23E-27	0.	0.	0.
AG109M	8.44E-05	3.73E-01	1.09E-01	2.70E-03	5.70E-06	2.53E-11	1.13E-16	2.23E-27	0.	0.	0.
PD111M	1.75E+00	8.50E-02	4.13E-03	4.74E-07	1.28E-13	9.35E-27	6.87E-40	0.	0.	0.	0.
PD111	6.24E-01	6.87E-02	3.32E-03	3.81E-07	1.03E-13	7.52E-27	5.51E-40	0.	0.	0.	0.
AG111M	4.96E-03	8.96E-02	4.36E-03	5.01E-07	1.35E-13	9.94E-27	7.26E-40	0.	0.	0.	0.
AG111	1.77E-09	4.87E-02	4.68E-02	3.56E-02	2.24E-02	8.89E-03	3.53E-03	5.56E-04	5.47E-06	5.30E-10	5.14E-14
PD112	5.25E-01	2.38E-01	1.08E-01	1.00E-02	1.90E-04	6.91E-08	2.51E-11	3.29E-18	2.08E-35	0.	0.
AG112	1.58E-05	2.77E-01	1.27E-01	1.18E-02	2.25E-04	8.16E-08	2.96E-11	3.90E-18	2.45E-35	0.	0.
AG113	6.35E-03	6.71E-02	2.90E-03	2.36E-07	3.61E-14	8.44E-28	1.97E-41	0.	0.	0.	0.
CD115M	1.92E-08	5.55E-04	5.45E-04	5.19E-04	4.80E-04	4.08E-04	3.48E-04	2.51E-04	1.12E-04	2.23E-05	4.47E-06
CD115	7.41E-06	1.11E-01	8.17E-02	3.22E-02	6.79E-03	3.03E-04	1.35E-05	2.70E-08	4.76E-15	1.49E-28	4.67E-42
IN115M	9.23E-11	1.18E-01	8.92E-02	3.52E-02	7.41E-03	3.31E-04	1.48E-05	2.94E-08	5.21E-15	1.63E-28	5.10E-42
CD117	1.68E-01	3.66E-03	3.56E-06	3.33E-15	2.95E-30	0.	0.	0.	0.	0.	0.
IN117M	8.07E-06	1.52E-02	1.76E-05	1.70E-14	1.51E-29	0.	0.	0.	0.	0.	0.
IN117	3.25E-10	1.00E-02	1.19E-05	1.15E-14	1.02E-29	0.	0.	0.	0.	0.	0.
SN121	3.43E-03	1.95E-01	1.05E-01	1.66E-02	7.62E-04	1.61E-06	3.39E-09	1.51E-14	6.31E-28	0.	0.
SN123	1.57E-05	1.64E-03	1.63E-03	1.60E-03	1.56E-03	1.47E-03	1.39E-03	1.25E-03	9.45E-04	5.43E-04	3.13E-04
SN125	3.55E-02	3.30E-02	3.07E-02	2.45E-02	1.69E-02	8.12E-03	3.88E-03	8.88E-04	2.22E-05	1.40E-08	8.76E-12
SB125	2.13E-04	2.36E-04	2.58E-04	3.16E-04	3.87E-04	4.69E-04	5.05E-04	5.26E-04	5.16E-04	4.82E-04	4.49E-04
SB126	4.29E-03	4.06E-03	3.84E-03	3.25E-03	2.46E-03	1.41E-03	8.14E-04	2.68E-04	1.67E-05	8.14E-08	1.63E-08

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.55E+00	1.29E-03	4.67E-07	2.23E-17	1.40E-34	0.	0.	0.	0.	0.	0.
SB127	4.14E-02	1.70E-01	1.42E-01	8.31E-02	3.40E-02	5.69E-03	9.51E-04	2.66E-05	3.47E-09	5.92E-17	1.01E-24
TE127M	3.35E-10	2.60E-04	4.75E-04	9.22E-04	1.28E-03	1.41E-03	1.35E-03	1.20E-03	8.77E-04	4.63E-04	2.45E-04
TE127	2.34E-02	1.22E-01	1.20E-01	7.29E-02	3.08E-02	6.32E-03	2.16E-03	1.21E-03	8.65E-04	4.58E-04	2.42E-04
SB128	7.76E-01	1.32E-01	2.09E-02	8.15E-05	7.90E-09	7.42E-17	6.98E-25	6.15E-41	0.	0.	0.
SB129	3.56E+00	1.82E-01	3.81E-03	3.47E-08	1.38E-16	2.18E-33	3.43E-50	0.	0.	0.	0.
TE129M	6.73E-08	7.09E-03	7.09E-03	6.69E-03	6.05E-03	4.93E-03	4.01E-03	2.67E-03	9.62E-04	1.25E-04	1.63E-05
TE129	2.56E+00	2.14E-01	8.90E-03	4.29E-03	3.87E-03	3.15E-03	2.57E-03	1.71E-03	6.17E-04	8.05E-05	1.05E-05
I130	1.64E-02	4.27E-03	1.12E-03	2.00E-05	2.44E-08	3.64E-14	5.43E-20	1.21E-31	0.	0.	0.
TE131M	6.36E-05	2.22E-01	1.28E-01	2.42E-02	1.51E-03	5.89E-06	2.31E-08	3.52E-13	3.20E-25	0.	0.
TE131	5.85E+01	4.05E-02	2.33E-02	4.42E-03	2.76E-04	1.08E-06	4.20E-09	6.44E-14	5.85E-26	0.	0.
I131	8.50E-03	4.59E-01	4.34E-01	3.49E-01	2.29E-01	9.68E-02	4.10E-02	7.32E-03	9.89E-05	1.80E-08	3.28E-12
XE131M	2.31E-11	2.13E-04	4.04E-04	8.42E-04	1.20E-03	1.19E-03	8.84E-04	3.65E-04	2.43E-05	7.28E-08	2.05E-10
TE132	6.88E-01	1.36E+00	1.10E+00	5.79E-01	2.00E-01	2.37E-02	2.81E-03	3.94E-05	9.21E-10	5.04E-19	2.75E-28
I132	1.69E+00	1.40E+00	1.13E+00	5.96E-01	2.06E-01	2.44E-02	2.89E-03	4.06E-05	9.50E-10	5.17E-19	2.83E-28
I133	6.98E-01	3.89E+00	1.75E+00	1.63E-01	3.11E-03	1.13E-06	4.08E-10	5.38E-17	3.38E-34	0.	0.
XE133M	2.97E-08	3.67E-02	4.35E-02	2.55E-02	5.99E-03	2.81E-04	1.31E-05	2.84E-08	6.22E-15	2.97E-28	1.42E-41
XE133	5.19E-07	7.06E-01	9.46E-01	8.47E-01	4.62E-01	1.25E-01	3.35E-02	2.41E-03	3.36E-06	6.52E-12	1.27E-17
I135	1.17E+01	1.91E+00	1.59E-01	9.26E-05	3.76E-10	6.21E-21	1.02E-31	2.77E-53	0.	0.	0.
XE135M	1.29E-03	5.94E-01	4.97E-02	2.89E-05	1.17E-10	1.93E-21	3.18E-32	8.66E-54	0.	0.	0.
XE135	1.35E+00	5.13E+00	1.26E+00	7.18E-03	8.79E-07	1.24E-14	1.73E-22	3.42E-38	0.	0.	0.
CS136	1.29E-03	1.23E-03	1.16E-03	9.91E-04	7.60E-04	4.46E-04	2.62E-04	9.00E-05	6.26E-06	3.01E-08	1.46E-10
CS137	5.35E-05	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.77E-04	5.74E-04	5.70E-04	5.67E-04
BA137M	1.13E-07	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.38E-04	5.35E-04	5.32E-04	5.29E-04
BA139	6.61E+00	7.06E-04	4.16E-09	8.57E-25	0.	0.	0.	0.	0.	0.	0.
BA140	8.31E-02	4.91E-01	4.67E-01	3.96E-01	3.02E-01	1.76E-01	1.02E-01	3.46E-02	2.31E-03	1.03E-05	4.55E-08
LA140	1.97E-07	1.71E-01	2.75E-01	3.80E-01	3.38E-01	2.02E-01	1.18E-01	4.00E-02	2.66E-03	1.18E-05	5.26E-08
LA141	1.33E+00	5.28E-01	7.41E-03	2.05E-08	1.12E-17	3.35E-36	9.98E-55	0.	0.	0.	0.
CE141	1.65E-07	1.82E-01	1.81E-01	1.70E-01	1.53E-01	1.23E-01	9.94E-02	6.48E-02	2.23E-02	2.62E-03	3.09E-04
LA142	8.66E+00	1.90E-03	3.67E-08	2.70E-22	0.	0.	0.	0.	0.	0.	0.
CE143	5.66E-02	2.33E+00	1.41E+00	3.10E-01	2.49E-02	1.61E-04	1.04E-06	4.37E-11	4.93E-22	0.	0.
PR143	1.65E-08	1.49E-01	2.32E-01	2.99E-01	2.56E-01	1.56E-01	9.43E-02	3.41E-02	2.73E-03	1.73E-05	1.10E-07
CE144	2.55E-03	1.82E-02	1.82E-02	1.80E-02	1.78E-02	1.74E-02	1.70E-02	1.62E-02	1.43E-02	1.12E-02	8.79E-03
PR144	7.00E-07	1.82E-02	1.82E-02	1.80E-02	1.78E-02	1.74E-02	1.70E-02	1.62E-02	1.43E-02	1.12E-02	8.79E-03
PR145	1.04E-01	1.06E+00	6.58E-02	1.56E-05	1.42E-11	1.18E-23	9.77E-36	0.	0.	0.	0.
ND147	1.42E-05	2.39E-01	2.25E-01	1.87E-01	1.36E-01	7.33E-02	3.91E-02	1.12E-02	4.93E-04	9.60E-07	1.86E-09
PM147	3.95E-14	1.79E-04	3.47E-04	7.92E-04	1.37E-03	2.09E-03	2.47E-03	2.75E-03	2.78E-03	2.59E-03	2.40E-03
ND149	2.50E+01	2.42E-03	2.34E-07	2.14E-19	1.82E-39	0.	0.	0.	0.	0.	0.
PM149	3.48E-03	6.43E-01	4.71E-01	1.84E-01	3.84E-02	1.67E-03	7.28E-05	1.38E-07	2.18E-14	5.39E-28	1.34E-41
PM150	2.82E-01	5.96E-04	1.25E-06	1.18E-14	4.93E-28	0.	0.	0.	0.	0.	0.

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	6.94E-02	4.73E-01	2.61E-01	4.39E-02	2.25E-03	5.91E-06	1.56E-08	1.08E-13	1.35E-26	0.	0.
SM153	2.49E-01	1.75E-01	1.23E-01	4.24E-02	7.21E-03	2.10E-04	6.09E-06	5.12E-09	1.06E-16	4.50E-32	1.91E-47
SM156	2.18E-01	3.72E-02	6.35E-03	3.13E-05	4.51E-09	9.26E-17	1.91E-24	8.14E-40	0.	0.	0.
EU155	8.33E-06	2.82E-04	2.82E-04	2.82E-04	2.81E-04	2.80E-04	2.79E-04	2.77E-04	2.71E-04	2.60E-04	2.50E-04
EU156	6.38E-04	5.19E-03	5.76E-03	5.16E-03	4.10E-03	2.58E-03	1.62E-03	6.45E-04	6.38E-05	6.29E-07	6.20E-09
EU157	2.50E-02	2.89E-02	9.72E-03	3.64E-04	1.53E-06	2.70E-11	4.78E-16	1.49E-25	0.	0.	0.
GD159	4.70E-03	9.25E-03	3.68E-03	2.30E-04	2.26E-06	2.19E-10	2.12E-14	1.99E-22	1.70E-42	0.	0.
TB161	8.51E-05	5.56E-04	5.02E-04	3.71E-04	2.25E-04	8.23E-05	3.01E-05	4.03E-06	2.67E-08	1.15E-12	5.02E-17
TOTAL	2.50E+02	1.07E+02	5.39E+01	1.86E+01	6.53E+00	2.01E+00	1.14E+00	5.99E-01	2.65E-01	1.01E-01	5.24E-02

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.60E-05	1.38E-07	1.29E-08	1.19E-09	9.60E-13	7.69E-16	5.75E-20	3.69E-26	0.	0.	0.
MN 54	2.35E-05	1.01E-05	6.69E-06	4.40E-06	1.26E-06	3.58E-07	6.75E-08	5.52E-09	1.30E-12	4.69E-18	1.70E-23
FE 59	7.56E-04	2.73E-06	1.64E-07	9.84E-09	2.14E-12	4.61E-16	6.01E-21	2.82E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	6.89E-05	8.48E-06	3.00E-06	1.05E-06	4.55E-07	1.97E-09	3.00E-11	5.61E-14	4.61E-23	0.	0.
W185	1.10E-02	3.77E-04	6.97E-05	1.29E-05	8.22E-08	5.25E-10	6.18E-13	2.51E-17	0.	0.	0.
W188	8.09E-05	2.10E-06	3.41E-07	5.47E-08	2.31E-10	9.68E-13	6.55E-16	1.16E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.31E+00	5.75E-09	5.60E-09	5.45E-09	5.10E-09	4.74E-09	4.31E-09	3.74E-09	2.33E-09	1.14E-09	5.60E-10
AM241	1.87E-11	1.87E-11	1.87E-11	1.87E-11	1.88E-11	1.89E-11	1.89E-11	1.90E-11	1.91E-11	1.89E-11	1.86E-11
CM242	3.72E-08	7.89E-09	3.63E-09	1.67E-09	1.63E-10	1.58E-11	7.10E-13	6.71E-15	1.93E-19	1.80E-19	1.68E-19
KR 85	3.00E-06	7.44E-05	7.21E-05	6.98E-05	6.36E-05	5.75E-05	5.05E-05	4.17E-05	2.20E-05	8.41E-06	3.21E-06
SR 89	2.10E-06	4.91E-04	4.30E-05	3.78E-06	2.54E-09	1.72E-12	1.01E-16	4.60E-23	3.35E-44	0.	0.
SR 90	3.96E-06	3.96E-04	3.92E-04	3.89E-04	3.74E-04	3.60E-04	3.43E-04	3.18E-04	2.49E-04	1.72E-04	1.19E-04
Y 90	5.87E-12	3.96E-04	3.92E-04	3.89E-04	3.74E-04	3.60E-04	3.43E-04	3.18E-04	2.49E-04	1.72E-04	1.19E-04
Y 91	1.50E-08	1.01E-03	1.18E-04	1.37E-05	2.15E-08	3.37E-11	6.16E-15	1.51E-20	3.06E-39	0.	0.
ZR 95	7.71E-04	1.98E-03	2.83E-04	4.02E-05	1.17E-07	3.41E-10	1.41E-13	1.19E-18	1.46E-35	0.	0.
NB 95M	1.64E-11	4.19E-05	5.98E-06	8.55E-07	2.48E-09	7.23E-12	3.00E-15	2.53E-20	3.10E-37	0.	0.
NB 95	8.59E-11	4.26E-03	6.12E-04	8.72E-05	2.53E-07	7.34E-10	3.06E-13	2.59E-18	3.17E-35	0.	0.
RU103	7.20E-05	2.80E-04	1.14E-05	4.71E-07	3.21E-11	2.20E-15	6.18E-21	2.91E-29	0.	0.	0.
RH103M	4.80E-09	2.80E-04	1.14E-05	4.71E-07	3.22E-11	2.21E-15	6.18E-21	2.91E-29	0.	0.	0.
RU106	4.42E-04	4.20E-03	2.97E-03	2.11E-03	7.50E-04	2.66E-04	6.70E-05	8.47E-06	8.55E-09	2.75E-13	8.84E-18
RH106	4.78E-06	4.20E-03	2.97E-03	2.11E-03	7.50E-04	2.66E-04	6.70E-05	8.47E-06	8.55E-09	2.75E-13	8.84E-18
SN123	1.57E-05	2.18E-04	7.89E-05	2.87E-05	1.38E-06	6.60E-08	1.15E-09	2.65E-12	4.25E-21	2.74E-34	1.76E-47
SB125	2.13E-04	4.29E-04	3.77E-04	3.32E-04	2.26E-04	1.54E-04	9.19E-05	4.25E-05	3.27E-06	6.95E-08	1.48E-09
TE125M	5.73E-12	1.75E-04	1.56E-04	1.37E-04	9.35E-05	6.36E-05	3.81E-05	1.76E-05	1.35E-06	2.88E-08	6.13E-10
TE127M	3.35E-10	1.61E-04	5.02E-05	1.57E-05	4.83E-07	1.49E-08	1.43E-10	1.34E-13	1.10E-23	8.25E-39	6.15E-54
TE127	2.34E-02	1.59E-04	4.96E-05	1.55E-05	4.78E-07	1.47E-08	1.41E-10	1.33E-13	1.09E-23	8.14E-39	6.09E-54
CS137	5.35E-05	5.64E-04	5.58E-04	5.51E-04	5.32E-04	5.13E-04	4.90E-04	4.58E-04	3.62E-04	2.57E-04	1.82E-04
BA137M	1.13E-07	5.29E-04	5.22E-04	5.16E-04	4.97E-04	4.81E-04	4.58E-04	4.29E-04	3.40E-04	2.40E-04	1.70E-04
CE141	1.65E-07	7.10E-05	1.43E-06	2.87E-08	2.33E-13	1.90E-18	3.12E-25	2.07E-35	0.	0.	0.
CE144	2.55E-03	7.49E-03	4.82E-03	3.07E-03	8.07E-04	2.12E-04	3.57E-05	2.46E-06	3.31E-10	5.20E-16	8.10E-22
PR144	7.00E-07	7.49E-03	4.82E-03	3.07E-03	8.07E-04	2.12E-04	3.57E-05	2.46E-06	3.31E-10	5.20E-16	8.10E-22
PM147	3.95E-14	2.30E-03	2.01E-03	1.76E-03	1.18E-03	7.96E-04	4.67E-04	2.12E-04	1.51E-05	2.85E-07	5.39E-09
EU155	8.33E-06	2.44E-04	2.27E-04	2.11E-04	1.70E-04	1.36E-04	1.02E-04	6.57E-05	1.53E-05	1.73E-06	1.94E-07
TOTAL	2.34E+00	3.78E-02	2.16E-02	1.49E-02	6.63E-03	3.88E-03	2.59E-03	1.93E-03	1.26E-03	8.52E-04	5.93E-04

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BRAVO
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.04E+02	1.34E+04
1.00E+00	3.07E+01	2.62E+03
2.00E+00	1.20E+01	9.28E+02
3.00E+00	6.41E+00	5.44E+02
4.00E+00	4.03E+00	4.03E+02
6.00E+00	2.18E+00	2.85E+02
9.00E+00	1.34E+00	2.08E+02
1.20E+01	1.00E+00	1.66E+02
1.50E+01	8.00E-01	1.38E+02
1.80E+01	6.63E-01	1.18E+02
2.10E+01	5.63E-01	1.02E+02
1.00E+00 DAYS	4.81E-01	8.97E+01
2.00E+00	2.22E-01	4.40E+01
5.00E+00	8.32E-02	1.56E+01
1.00E+01	3.64E-02	5.93E+00
2.00E+01	1.38E-02	2.04E+00
3.00E+01	7.73E-03	1.18E+00
5.00E+01	3.48E-03	6.27E-01
1.00E+02	1.14E-03	2.68E-01
2.00E+02	3.72E-04	9.47E-02
3.00E+02	1.48E-04	4.80E-02
1.00E+00 YEARS	8.96E-05	3.51E-02
1.50E+00	3.44E-05	2.07E-02
2.00E+00	2.25E-05	1.47E-02
3.50E+00	1.28E-05	7.01E-03
5.00E+00	9.33E-06	4.36E-03
7.00E+00	7.45E-06	3.09E-03
1.00E+01	6.27E-06	2.43E-03
2.00E+01	4.62E-06	1.69E-03
3.50E+01	3.25E-06	1.16E-03
5.00E+01	2.30E-06	8.07E-04

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05
NA 24	8.33E-01	7.97E-01	7.61E-01	7.26E-01	6.93E-01	6.32E-01	5.50E-01	4.80E-01	4.18E-01	3.64E-01	3.15E-01
MN 54	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.59E-05	1.59E-05	1.59E-05	1.59E-05
FE 55	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
FE 59	5.15E-04	5.14E-04	5.14E-04	5.14E-04	5.14E-04	5.13E-04	5.12E-04	5.12E-04	5.10E-04	5.09E-04	5.09E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.49E-01	2.35E-01	2.23E-01	2.12E-01	2.00E-01	1.80E-01	1.53E-01	1.30E-01	1.10E-01	9.39E-02	7.98E-02
CU 67	3.02E-04	2.99E-04	2.94E-04	2.92E-04	2.89E-04	2.81E-04	2.71E-04	2.63E-04	2.55E-04	2.45E-04	2.38E-04
W181	9.38E-05	9.38E-05	9.38E-05	9.38E-05	9.38E-05	9.38E-05	9.35E-05	9.35E-05	9.35E-05	9.35E-05	9.35E-05
W185	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.48E-02	1.48E-02	1.48E-02	1.48E-02
W187	3.30E-02	3.20E-02	3.11E-02	3.02E-02	2.94E-02	2.77E-02	2.54E-02	2.33E-02	2.13E-02	1.96E-02	1.79E-02
W188	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04	1.09E-04	1.09E-04
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.57E+00	1.56E+00	1.56E+00	1.55E+00	1.54E+00	1.53E+00	1.51E+00	1.49E+00	1.47E+00	1.45E+00	1.43E+00
U239	4.02E+03	6.85E+02	1.17E+02	1.99E+01	3.39E+00	9.86E-02	4.89E-04	2.41E-06	1.19E-08	5.90E-11	2.92E-13
U240	2.59E+01	2.47E+01	2.35E+01	2.24E+01	2.13E+01	1.93E+01	1.67E+01	1.44E+01	1.24E+01	1.07E+01	9.22E+00
NP239	1.38E-02	2.31E+01	2.67E+01	2.71E+01	2.69E+01	2.62E+01	2.52E+01	2.43E+01	2.35E+01	2.26E+01	2.18E+01
NP240M	4.10E-02	2.48E+01	2.37E+01	2.26E+01	2.15E+01	1.95E+01	1.68E+01	1.45E+01	1.25E+01	1.08E+01	9.31E+00
NP240	1.04E-09	5.34E-10	2.77E-10	1.43E-10	7.40E-11	1.98E-11	2.73E-12	3.77E-13	5.20E-14	7.16E-15	9.90E-16
AM241	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11
CM242	2.53E-08	2.53E-08	2.53E-08	2.53E-08	2.53E-08	2.53E-08	2.52E-08	2.52E-08	2.52E-08	2.52E-08	2.52E-08
GE 75	4.39E-05	2.13E-01	1.28E-01	7.73E-02	4.65E-02	1.69E-02	3.68E-03	8.06E-04	1.76E-04	3.84E-05	8.40E-06
GE 77	1.41E-02	3.63E-02	3.42E-02	3.21E-02	3.03E-02	2.68E-02	2.23E-02	1.85E-02	1.54E-02	1.28E-02	1.07E-02
AS 77	1.46E-04	2.30E-02	2.33E-02	2.35E-02	2.36E-02	2.38E-02	2.38E-02	2.36E-02	2.33E-02	2.28E-02	2.22E-02
SE 77M	5.75E-09	6.90E-05	7.00E-05	7.05E-05	7.05E-05	7.11E-05	7.16E-05	7.11E-05	7.00E-05	6.85E-05	6.64E-05
GE 78	1.50E+00	9.40E-01	5.85E-01	3.66E-01	2.28E-01	8.88E-02	2.16E-02	5.22E-03	1.27E-03	3.10E-04	7.52E-05
AS 78	2.71E-02	4.49E-01	5.54E-01	5.19E-01	4.34E-01	2.56E-01	9.51E-02	3.16E-02	9.77E-03	2.92E-03	8.46E-04
AS 79	2.39E+01	2.35E-01	2.31E-03	2.28E-05	2.24E-07	2.17E-11	2.07E-17	1.98E-23	1.89E-29	1.80E-35	1.72E-41
SE 79M	3.53E-02	4.15E-01	4.09E-03	4.03E-05	3.97E-07	3.83E-11	3.66E-17	3.49E-23	3.33E-29	3.18E-35	3.03E-41
BR 80	1.29E-01	1.22E-02	1.14E-03	1.07E-04	1.01E-05	8.97E-08	7.51E-11	6.26E-14	5.22E-17	4.36E-20	3.64E-23
SE 81M	9.98E-02	4.66E+00	2.25E+00	1.08E+00	5.20E-01	1.21E-01	1.36E-02	1.52E-03	1.71E-04	1.91E-05	2.15E-06
SE 81	1.22E+00	5.51E+00	3.19E+00	1.59E+00	7.72E-01	1.80E-01	2.02E-02	2.26E-03	2.53E-04	2.84E-05	3.18E-06
BR 82	5.25E-04	5.15E-04	5.05E-04	4.95E-04	4.85E-04	4.67E-04	4.40E-04	4.15E-04	3.91E-04	3.69E-04	3.48E-04
SE 83	4.84E+01	9.17E+00	1.74E+00	3.29E-01	6.22E-02	2.24E-03	1.52E-05	1.04E-07	7.07E-10	4.79E-12	3.04E-14
BR 83	4.02E-01	6.00E+00	5.55E+00	4.37E+00	3.32E+00	1.87E+00	7.92E-01	3.33E-01	1.41E-01	5.94E-02	2.51E-02
KR 83M	2.08E-05	1.36E+00	2.77E+00	3.45E+00	3.55E+00	2.97E+00	1.75E+00	9.00E-01	4.33E-01	2.00E-01	9.00E-02

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.28E-02	1.60E+01	4.33E+00	1.17E+00	3.17E-01	2.32E-02	4.58E-04	9.04E-06	1.79E-07	3.54E-09	6.99E-11
KR 85M	3.95E-03	8.46E+00	7.20E+00	6.15E+00	5.25E+00	3.83E+00	2.39E+00	1.49E+00	9.30E-01	5.78E-01	3.61E-01
KR 87	5.05E+01	2.92E+01	1.69E+01	9.75E+00	5.63E+00	1.89E+00	3.66E-01	7.09E-02	1.37E-02	2.66E-03	5.14E-04
KR 88	3.01E+01	2.35E+01	1.83E+01	1.43E+01	1.12E+01	6.79E+00	3.24E+00	1.54E+00	7.34E-01	3.50E-01	1.66E-01
RB 88	7.65E+00	2.38E+01	2.03E+01	1.60E+01	1.25E+01	7.61E+00	3.63E+00	1.73E+00	8.24E-01	3.92E-01	1.86E-01
RB 89	3.73E+01	3.51E+01	2.36E+00	1.58E-01	1.06E-02	4.81E-05	1.45E-08	4.39E-12	1.34E-15	4.05E-19	1.23E-22
SR 89	2.86E-06	1.00E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.06E-01	1.06E-01
SR 90	5.39E-06	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04
SR 91	6.48E-01	1.21E+01	1.13E+01	1.05E+01	9.75E+00	8.44E+00	6.81E+00	5.51E+00	4.45E+00	3.57E+00	2.88E+00
Y 91M	4.36E-05	4.16E+00	5.67E+00	6.08E+00	6.00E+00	5.38E+00	4.40E+00	3.54E+00	2.86E+00	2.30E+00	1.86E+00
Y 91	1.79E-08	3.70E-03	8.52E-03	1.36E-02	1.86E-02	2.79E-02	3.96E-02	4.89E-02	5.67E-02	6.28E-02	6.77E-02
SR 92	4.92E+00	2.20E+01	1.70E+01	1.32E+01	1.02E+01	6.11E+00	2.84E+00	1.32E+00	6.11E-01	2.84E-01	1.32E-01
Y 92	2.27E-01	4.62E+00	7.26E+00	8.63E+00	9.16E+00	8.72E+00	6.68E+00	4.56E+00	2.93E+00	1.80E+00	1.09E+00
SR 93	2.13E+02	3.66E+00	2.02E-02	1.12E-04	6.16E-07	1.88E-11	3.18E-18	5.36E-25	9.04E-32	1.52E-38	2.57E-45
Y 93	2.59E-01	8.39E+00	7.88E+00	7.37E+00	6.88E+00	6.01E+00	4.90E+00	4.00E+00	3.25E+00	2.67E+00	2.17E+00
Y 94	3.19E+01	4.37E+01	5.62E+00	7.24E-01	9.34E-02	1.55E-03	3.33E-06	7.13E-09	1.53E-11	3.33E-14	1.84E-15
Y 95	1.40E+02	1.32E+01	2.90E-01	6.40E-03	1.41E-04	6.84E-08	7.32E-13	7.83E-18	8.36E-23	8.93E-28	9.55E-33
ZR 95	5.25E-04	6.86E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	6.98E-02	6.98E-02	6.95E-02	6.95E-02
NB 95	5.85E-11	4.24E-05	9.88E-05	1.55E-04	2.12E-04	3.25E-04	4.93E-04	6.63E-04	8.29E-04	9.97E-04	1.16E-03
ZR 97	1.39E+00	6.04E+00	5.78E+00	5.56E+00	5.32E+00	4.92E+00	4.34E+00	3.84E+00	3.41E+00	3.01E+00	2.67E+00
NB 97M	7.14E-03	5.80E+00	5.56E+00	5.35E+00	5.13E+00	4.73E+00	4.18E+00	3.70E+00	3.27E+00	2.89E+00	2.55E+00
NB 97	6.95E-01	3.03E+00	4.27E+00	4.87E+00	5.11E+00	5.08E+00	4.63E+00	4.13E+00	3.65E+00	3.22E+00	2.86E+00
NB 98	7.91E+00	3.50E+00	1.55E+00	6.85E-01	3.03E-01	5.94E-02	5.13E-03	4.43E-04	3.86E-05	3.35E-06	2.88E-07
MO 99	4.21E-03	1.74E+00	1.72E+00	1.70E+00	1.69E+00	1.65E+00	1.60E+00	1.55E+00	1.51E+00	1.46E+00	1.41E+00
TC 99M	3.92E-08	1.66E-01	3.11E-01	4.40E-01	5.53E-01	7.38E-01	9.37E-01	1.06E+00	1.14E+00	1.18E+00	1.20E+00
MO101	1.32E+02	5.98E+01	3.47E+00	2.01E-01	1.17E-02	3.91E-05	7.60E-09	1.48E-12	2.88E-16	5.59E-20	1.09E-23
TC101	5.59E+00	1.68E+02	1.83E+01	1.50E+00	1.10E-01	4.94E-04	1.23E-07	2.77E-11	5.87E-15	1.21E-18	2.44E-22
MO102	1.23E+03	2.81E+01	6.38E-01	1.46E-02	3.33E-04	1.73E-07	2.06E-12	2.44E-17	2.89E-22	3.43E-27	4.07E-32
TC102M	7.91E-01	2.37E+01	5.43E-01	1.24E-02	2.83E-04	1.46E-07	1.74E-12	2.06E-17	2.44E-22	2.90E-27	3.44E-32
TC102	3.70E+03	1.41E+01	3.22E-01	7.32E-03	1.67E-04	8.73E-08	1.04E-12	1.23E-17	1.46E-22	1.73E-27	2.05E-32
RU103	9.81E-05	2.28E-01	2.27E-01	2.27E-01	2.27E-01	2.26E-01	2.26E-01	2.26E-01	2.25E-01	2.24E-01	2.24E-01
RH103M	6.54E-09	1.18E-01	1.74E-01	2.02E-01	2.15E-01	2.24E-01	2.26E-01	2.26E-01	2.25E-01	2.24E-01	2.24E-01
TC104	7.85E+01	5.64E+01	5.64E+00	5.58E-01	5.52E-02	5.44E-04	5.31E-07	5.19E-10	5.07E-13	4.95E-16	4.83E-19
RU105	6.40E-01	2.21E+01	1.89E+01	1.62E+01	1.39E+01	1.01E+01	6.35E+00	3.97E+00	2.48E+00	1.55E+00	9.76E-01
RH105M	4.21E-03	2.22E+01	1.90E+01	1.62E+01	1.39E+01	1.02E+01	6.35E+00	3.98E+00	2.49E+00	1.56E+00	9.76E-01
RH105	6.91E-09	4.50E-01	8.36E-01	1.15E+00	1.42E+00	1.82E+00	2.17E+00	2.33E+00	2.38E+00	2.36E+00	2.30E+00
RU106	6.02E-04	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02
RH106	6.51E-06	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02
RH107	1.76E-01	2.39E+01	3.62E+00	5.45E-01	8.22E-02	1.88E-03	6.46E-06	2.23E-08	7.67E-11	2.62-146	2.61E-17
PD107M	3.65E-04	4.86E+00	7.34E-01	1.11E-01	1.67E-02	3.82E-04	1.31E-06	4.54E-09	1.56E-11	5.38E-14	1.84E-16

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.99E-02	1.65E+00	1.57E+00	1.49E+00	1.41E+00	1.28E+00	1.10E+00	9.41E-01	8.06E-01	6.91E-01	5.94E-01
AG109M	1.15E-04	1.65E+00	1.57E+00	1.49E+00	1.42E+00	1.28E+00	1.10E+00	9.41E-01	8.06E-01	6.91E-01	5.94E-01
PD111M	2.39E+00	2.10E+00	1.85E+00	1.64E+00	1.44E+00	1.12E+00	7.68E-01	5.26E-01	3.61E-01	2.47E-01	1.69E-01
PD111	8.50E-01	1.53E+00	1.47E+00	1.31E+00	1.16E+00	8.99E-01	6.17E-01	4.23E-01	2.89E-01	1.99E-01	1.36E-01
AG111M	6.75E-03	2.07E+00	1.94E+00	1.74E+00	1.53E+00	1.18E+00	8.09E-01	5.55E-01	3.80E-01	2.61E-01	1.78E-01
AG111	2.40E-09	7.12E-03	1.50E-02	2.20E-02	2.82E-02	3.85E-02	4.94E-02	5.66E-02	6.14E-02	6.43E-02	6.61E-02
PD112	7.14E-01	6.93E-01	6.69E-01	6.47E-01	6.27E-01	5.86E-01	5.31E-01	4.81E-01	4.36E-01	3.94E-01	3.57E-01
AG112	2.15E-05	1.37E-01	2.42E-01	3.25E-01	3.86E-01	4.62E-01	5.08E-01	5.05E-01	4.81E-01	4.49E-01	4.14E-01
AG113	8.64E-03	1.85E+00	1.62E+00	1.42E+00	1.25E+00	9.60E-01	6.50E-01	4.39E-01	2.96E-01	2.00E-01	1.35E-01
AG115	3.19E+00	3.42E+00	4.26E-01	5.32E-02	6.67E-03	1.04E-04	2.04E-07	3.98E-10	7.71E-13	7.66-162	7.10E-16
CD115M	2.61E-08	6.95E-04	7.81E-04	7.91E-04	7.91E-04	7.91E-04	7.88E-04	7.88E-04	7.86E-04	7.83E-04	7.83E-04
CD115	1.01E-05	1.90E-01	2.05E-01	2.04E-01	2.02E-01	1.96E-01	1.89E-01	1.82E-01	1.75E-01	1.68E-01	1.62E-01
IN115M	1.26E-10	2.10E-02	4.66E-02	6.92E-02	8.82E-02	1.18E-01	1.45E-01	1.60E-01	1.67E-01	1.68E-01	1.67E-01
CD117	2.29E-01	3.81E+00	2.87E+00	2.14E+00	1.61E+00	9.01E-01	3.78E-01	1.59E-01	6.70E-02	2.81E-02	1.18E-02
IN117M	1.10E-05	1.32E+00	1.92E+00	2.08E+00	2.01E+00	1.58E+00	9.06E-01	4.64E-01	2.23E-01	1.03E-01	4.66E-02
IN117	4.42E-10	2.42E-01	5.84E-01	8.12E-01	9.06E-01	8.34E-01	5.31E-01	2.84E-01	1.41E-01	6.65E-02	3.06E-02
CD118	1.51E+01	6.49E+00	2.78E+00	1.19E+00	5.08E-01	9.30E-02	7.30E-03	5.70E-04	4.49E-05	3.51E-06	2.76E-07
IN118	1.00E+00	6.49E+00	2.78E+00	1.19E+00	5.08E-01	9.32E-02	7.30E-03	5.73E-04	4.49E-05	3.51E-06	2.76E-07
CD119	3.78E+01	5.89E-01	9.19E-03	1.44E-04	2.25E-06	5.50E-10	2.09E-15	8.01E-21	3.04E-26	1.16E-31	4.45E-37
IN119M	5.69E-02	6.37E+00	6.94E-01	6.99E-02	6.96E-03	6.85E-05	6.68E-08	6.54E-11	6.37E-14	6.23E-17	6.09E-20
IN119	2.81E+00	3.35E-01	3.89E-02	3.95E-03	3.95E-04	3.86E-06	3.78E-09	3.69E-12	3.61E-15	3.52E-18	3.44E-21
SN121	4.67E-03	4.81E-01	4.67E-01	4.56E-01	4.45E-01	4.23E-01	3.90E-01	3.63E-01	3.35E-01	3.10E-01	2.88E-01
SN123M	2.28E+00	4.26E+00	1.51E+00	5.34E-01	1.89E-01	2.35E-02	1.04E-03	4.61E-05	2.04E-06	9.01E-08	3.98E-09
SN123	2.14E-05	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
SN125	4.83E-02	4.82E-02	4.81E-02	4.79E-02	4.77E-02	4.74E-02	4.70E-02	4.65E-02	4.62E-02	4.57E-02	4.53E-02
SB125	2.90E-04	2.91E-04	2.93E-04	2.94E-04	2.95E-04	2.98E-04	3.03E-04	3.06E-04	3.10E-04	3.14E-04	3.18E-04
SB126	5.84E-03	5.82E-03	5.81E-03	5.80E-03	5.78E-03	5.75E-03	5.72E-03	5.68E-03	5.63E-03	5.60E-03	5.56E-03
SN127	4.84E+00	3.47E+00	2.50E+00	1.80E+00	1.29E+00	6.68E-01	2.48E-01	9.23E-02	3.42E-02	1.27E-02	4.72E-03
SB127	5.64E-02	1.95E-01	2.16E-01	2.29E-01	2.40E-01	2.50E-01	2.54E-01	2.51E-01	2.47E-01	2.42E-01	2.37E-01
TE127	3.19E-02	3.97E-02	4.82E-02	5.72E-02	6.61E-02	8.30E-02	1.06E-01	1.24E-01	1.38E-01	1.49E-01	1.56E-01
SN128	2.50E+01	1.24E+01	6.12E+00	3.02E+00	1.49E+00	3.65E-01	4.41E-02	5.32E-03	6.41E-04	7.77E-05	9.37E-06
SB128M	1.28E-02	1.41E+01	7.31E+00	3.61E+00	1.78E+00	4.36E-01	5.25E-02	6.34E-03	7.64E-04	9.24E-05	1.12E-05
SB128	1.06E+00	1.02E+00	9.57E-01	8.97E-01	8.37E-01	7.18E-01	5.73E-01	4.54E-01	3.61E-01	2.86E-01	2.27E-01
SN129M	1.29E+01	6.44E+00	3.23E+00	1.62E+00	8.08E-01	2.02E-01	2.53E-02	3.16E-03	3.95E-04	4.93E-05	6.17E-06
SN129	8.62E+01	8.46E-01	8.35E-03	8.24E-05	8.08E-07	7.86E-11	7.48E-17	7.15E-23	6.82E-29	6.50E-35	6.22E-41
SB129	4.85E+00	8.13E+00	7.64E+00	6.82E+00	6.00E+00	4.46E+00	2.78E+00	1.72E+00	1.06E+00	6.55E-01	4.03E-01
TE129M	9.17E-08	1.02E-03	2.09E-03	3.07E-03	3.95E-03	5.35E-03	6.77E-03	7.64E-03	8.19E-03	8.51E-03	8.73E-03
TE129	3.49E+00	4.80E+00	5.62E+00	5.84E+00	5.62E+00	4.66E+00	3.10E+00	1.95E+00	1.22E+00	7.53E-01	4.67E-01
SB130M	4.67E-01	8.81E-01	2.31E-03	6.07E-06	1.60E-08	1.10E-13	2.01E-21	3.66E-29	6.63E-37	1.20E-44	2.19E-52
SB130	8.00E+01	2.42E+01	6.88E+00	1.95E+00	5.52E-01	4.44E-02	1.01E-03	2.31E-05	5.26E-07	1.20E-08	2.74E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	2.23E-02	2.11E-02	1.99E-02	1.88E-02	1.78E-02	1.59E-02	1.35E-02	1.14E-02	9.62E-03	8.15E-03	6.88E-03
SB131	1.80E+02	4.70E+01	7.68E+00	1.26E+00	2.07E-01	5.57E-03	2.45E-05	1.08E-07	4.77E-10	2.10E-12	1.05E-14
TE131M	8.66E-05	4.53E-01	5.17E-01	5.17E-01	5.07E-01	4.85E-01	4.52E-01	4.22E-01	3.94E-01	3.67E-01	3.43E-01
TE131	7.97E+01	8.66E+01	2.82E+01	7.34E+00	1.78E+00	1.67E-01	8.31E-02	7.68E-02	7.17E-02	6.71E-02	6.25E-02
I131	1.16E-02	4.01E-01	5.90E-01	6.48E-01	6.59E-01	6.65E-01	6.65E-01	6.59E-01	6.59E-01	6.54E-01	6.54E-01
TE132	9.37E-01	2.28E+00	2.25E+00	2.24E+00	2.21E+00	2.17E+00	2.12E+00	2.06E+00	2.01E+00	1.95E+00	1.90E+00
I132	2.30E+00	2.29E+00	2.29E+00	2.28E+00	2.26E+00	2.23E+00	2.18E+00	2.12E+00	2.07E+00	2.02E+00	1.96E+00
TE133M	1.09E-01	3.78E+01	1.65E+01	7.17E+00	3.12E+00	5.92E-01	4.87E-02	4.02E-03	3.31E-04	2.73E-05	2.25E-06
TE133	6.13E+02	3.48E+01	3.87E+00	1.28E+00	5.40E-01	1.02E-01	8.47E-03	6.96E-04	5.77E-05	4.74E-06	3.91E-07
I133	9.51E-01	1.02E+01	1.11E+01	1.11E+01	1.09E+01	1.03E+01	9.35E+00	8.47E+00	7.64E+00	6.96E+00	6.29E+00
XE133M	4.05E-08	2.30E-03	5.56E-03	8.88E-03	1.21E-02	1.82E-02	2.63E-02	3.34E-02	3.94E-02	4.45E-02	4.88E-02
XE133	7.07E-07	4.02E-02	9.77E-02	1.56E-01	2.14E-01	3.24E-01	4.75E-01	6.08E-01	7.27E-01	8.31E-01	9.25E-01
TE134	1.92E+02	8.88E+01	3.31E+01	1.23E+01	4.56E+00	6.32E-01	3.23E-02	1.66E-03	8.48E-05	4.35E-06	2.23E-07
I134	8.78E+01	1.17E+02	8.23E+01	4.82E+01	2.59E+01	6.57E+00	7.22E-01	7.37E-02	7.22E-03	6.92E-04	6.57E-05
I135	1.59E+01	2.80E+01	2.53E+01	2.28E+01	2.06E+01	1.67E+01	1.23E+01	8.96E+00	6.58E+00	4.85E+00	3.54E+00
XE135M	1.76E-03	8.09E+00	7.86E+00	7.13E+00	6.40E+00	5.21E+00	3.83E+00	2.80E+00	2.06E+00	1.51E+00	1.11E+00
XE135	1.83E+00	3.62E+00	5.30E+00	6.67E+00	7.77E+00	9.33E+00	1.03E+01	1.04E+01	9.87E+00	9.01E+00	8.05E+00
CS136	1.76E-03	1.76E-03	1.76E-03	1.75E-03	1.75E-03	1.74E-03	1.73E-03	1.72E-03	1.70E-03	1.69E-03	1.68E-03
CS137	7.29E-05	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04	7.86E-04
BA137M	1.54E-07	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04
XE138	6.14E+02	5.28E+01	4.59E+00	3.98E-01	3.45E-02	2.59E-04	1.68E-07	1.09E-10	7.09E-14	4.61E-17	2.99E-20
CS138	9.14E+01	1.54E+02	5.33E+01	1.57E+01	4.39E+00	3.34E-01	6.95E-03	1.44E-04	2.99E-06	6.24E-08	1.29E-09
CS139	4.88E+02	1.56E+01	1.95E-01	2.45E-03	3.08E-05	4.83E-09	9.61E-15	1.90E-20	3.76E-26	7.45E-32	1.47E-37
BA139	9.00E+00	1.00E+02	6.19E+01	3.76E+01	2.27E+01	8.34E+00	1.85E+00	4.11E-01	9.14E-02	2.03E-02	4.50E-03
BA140	9.62E-02	6.00E-01	6.00E-01	5.96E-01	5.96E-01	5.91E-01	5.91E-01	5.86E-01	5.82E-01	5.77E-01	5.73E-01
LA140	2.29E-07	1.03E-02	2.03E-02	3.02E-02	3.99E-02	5.86E-02	8.57E-02	1.11E-01	1.35E-01	1.57E-01	1.78E-01
BA141	1.30E+02	3.94E+01	3.91E+00	3.88E-01	3.85E-02	3.82E-04	3.73E-07	3.63E-10	3.54E-13	3.48E-16	3.38E-19
LA141	1.20E+00	2.55E+01	2.38E+01	2.02E+01	1.69E+01	1.19E+01	6.96E+00	4.07E+00	2.39E+00	1.40E+00	8.23E-01
CE141	1.49E-07	1.66E-02	3.88E-02	5.84E-02	7.48E-02	1.00E-01	1.25E-01	1.38E-01	1.47E-01	1.51E-01	1.54E-01
BA142	2.57E+02	1.02E+01	2.33E-01	5.31E-03	1.21E-04	6.29E-08	7.46E-13	8.86E-18	1.05E-22	1.25E-27	1.48E-32
LA142	5.90E+00	4.09E+01	2.70E+01	1.72E+01	1.09E+01	4.42E+00	1.14E+00	2.94E-01	7.57E-02	1.95E-02	5.03E-03
LA143	9.64E+01	1.88E+01	9.64E-01	4.96E-02	2.55E-03	6.67E-06	8.99E-10	1.21E-13	1.63E-17	2.20E-21	2.97E-25
CE143	3.85E-02	2.46E+00	2.55E+00	2.48E+00	2.43E+00	2.34E+00	2.19E+00	2.06E+00	1.93E+00	1.82E+00	1.70E+00
PR143	1.13E-08	3.76E-03	9.08E-03	1.43E-02	1.95E-02	2.95E-02	4.35E-02	5.68E-02	6.89E-02	8.04E-02	9.10E-02
CE144	1.74E-03	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02
PR144	4.76E-07	1.13E-02	1.23E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02	1.24E-02
PR145	7.08E-02	1.04E+01	9.25E+00	8.23E+00	7.35E+00	5.82E+00	4.10E+00	2.90E+00	2.05E+00	1.45E+00	1.02E+00
CE146	2.30E+02	1.18E+01	6.06E-01	3.10E-02	1.59E-03	4.20E-06	5.65E-10	7.62E-14	1.03E-17	1.38E-21	1.87E-25
PR146	4.76E+00	4.15E+01	9.40E+00	1.77E+00	3.18E-01	9.99E-03	5.52E-05	3.04E-07	1.69E-09	9.31E-12	5.09E-14
PR147	2.72E+01	7.86E+00	2.45E-01	7.66E-03	2.40E-04	2.34E-07	7.14E-12	2.18E-16	6.65E-21	2.03E-25	6.19E-30

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.69E-06	1.82E-01	1.88E-01	1.87E-01	1.87E-01	1.86E-01	1.84E-01	1.83E-01	1.82E-01	1.80E-01	1.79E-01
ND149	1.70E+01	1.16E+01	7.88E+00	5.37E+00	3.64E+00	1.69E+00	5.31E-01	1.68E-01	5.28E-02	1.66E-02	5.24E-03
PM149	2.37E-03	1.85E-01	3.08E-01	3.89E-01	4.41E-01	4.96E-01	5.15E-01	5.05E-01	4.92E-01	4.73E-01	4.57E-01
PM150	1.92E-01	1.49E-01	1.15E-01	8.87E-02	6.86E-02	4.12E-02	1.91E-02	8.81E-03	4.09E-03	1.89E-03	8.75E-04
ND151	7.46E+01	2.33E+00	7.29E-02	2.28E-03	7.12E-05	6.96E-08	2.12E-12	6.49E-17	1.98E-21	6.02E-26	1.84E-30
PM151	4.73E-02	5.53E-01	5.56E-01	5.43E-01	5.29E-01	5.03E-01	4.66E-01	4.33E-01	4.03E-01	3.73E-01	3.46E-01
PM152	1.17E+02	1.14E-01	1.12E-04	1.09E-07	1.06E-10	1.02E-16	9.47E-26	8.83E-35	8.22E-44	7.68E-53	7.14E-62
SM153	1.69E-01	1.67E-01	1.65E-01	1.62E-01	1.60E-01	1.55E-01	1.49E-01	1.42E-01	1.36E-01	1.30E-01	1.24E-01
SM155	7.72E+00	1.27E+00	2.08E-01	3.40E-02	5.57E-03	1.50E-04	6.62E-07	2.91E-09	1.29E-11	5.72E-14	1.41E-16
EU155	5.67E-06	1.62E-04	1.87E-04	1.91E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04
SM156	1.49E-01	1.38E-01	1.28E-01	1.19E-01	1.11E-01	9.55E-02	7.65E-02	6.14E-02	4.92E-02	3.94E-02	3.15E-02
EU156	4.35E-04	7.10E-04	9.63E-04	1.20E-03	1.42E-03	1.81E-03	2.30E-03	2.66E-03	2.98E-03	3.22E-03	3.39E-03
EU157	1.70E-02	5.64E-02	5.39E-02	5.15E-02	4.91E-02	4.48E-02	3.91E-02	3.42E-02	2.98E-02	2.59E-02	2.26E-02
EU158	5.37E-01	2.18E-01	8.80E-02	3.57E-02	1.44E-02	2.36E-03	1.57E-04	1.04E-05	6.93E-07	4.60E-08	3.06E-09
EU159	7.47E-01	7.42E-02	7.35E-03	7.30E-04	7.24E-05	7.14E-07	6.97E-10	6.81E-13	6.64E-16	6.50E-19	6.35E-22
GD159	3.20E-03	1.40E-02	1.46E-02	1.41E-02	1.36E-02	1.26E-02	1.12E-02	1.00E-02	8.90E-03	7.93E-03	7.07E-03
TB161	5.80E-05	4.17E-04	4.14E-04	4.13E-04	4.11E-04	4.07E-04	4.03E-04	3.98E-04	3.92E-04	3.88E-04	3.83E-04
TOTAL	1.34E+04	2.62E+03	9.28E+02	5.44E+02	4.03E+02	2.85E+02	2.08E+02	1.66E+02	1.38E+02	1.18E+02	1.02E+02

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.09E-05	1.08E-05	1.06E-05	1.02E-05	9.58E-06	8.40E-06	7.38E-06	5.68E-06	2.97E-06	8.07E-07	2.20E-07
NA 24	8.33E-01	2.75E-01	9.07E-02	3.25E-03	1.27E-05	1.95E-10	2.97E-15	6.91E-25	0.	0.	0.
MN 54	1.60E-05	1.59E-05	1.59E-05	1.56E-05	1.55E-05	1.52E-05	1.49E-05	1.42E-05	1.27E-05	1.01E-05	8.03E-06
FE 55	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.02E-03	1.02E-03	1.01E-03	9.96E-04	9.57E-04	8.93E-04	8.28E-04
FE 59	5.15E-04	5.07E-04	4.99E-04	4.77E-04	4.41E-04	3.78E-04	3.24E-04	2.38E-04	1.11E-04	2.36E-05	5.07E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.49E-01	6.78E-02	1.85E-02	3.76E-04	5.63E-07	1.28E-12	2.90E-18	1.49E-29	0.	0.	0.
CU 67	3.02E-04	2.30E-04	1.76E-04	7.82E-05	2.04E-05	1.37E-06	9.26E-08	4.21E-10	5.88E-16	0.	0.
W181	9.38E-05	9.35E-05	9.26E-05	9.13E-05	8.85E-05	8.39E-05	7.90E-05	7.06E-05	5.29E-05	2.98E-05	1.68E-05
W185	1.49E-02	1.48E-02	1.45E-02	1.42E-02	1.36E-02	1.24E-02	1.13E-02	9.39E-03	5.92E-03	2.36E-03	9.36E-04
W187	3.30E-02	1.65E-02	8.16E-03	1.02E-03	3.13E-05	2.98E-08	2.82E-11	2.54E-19	0.	0.	0.
W188	1.10E-04	1.09E-04	1.08E-04	1.05E-04	9.98E-05	9.00E-05	8.15E-05	6.68E-05	4.05E-05	1.49E-05	5.50E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.57E+00	1.42E+00	1.28E+00	9.40E-01	5.62E-01	2.01E-01	7.22E-02	9.23E-03	5.45E-05	5.86E-09	3.95E-09
U240	2.59E+01	7.99E+00	2.45E+00	7.11E-02	1.95E-04	1.47E-09	1.10E-14	6.23E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.38E-02	2.10E+01	1.56E+01	6.45E+00	1.48E+00	7.72E-02	4.04E-03	1.11E-05	4.36E-12	1.04E-21	1.04E-21
NP240M	4.10E-02	8.04E+00	2.47E+00	7.16E-02	1.97E-04	1.48E-09	1.11E-14	6.27E-25	0.	0.	0.
AM241	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.27E-11
CM242	2.53E-08	2.52E-08	2.51E-08	2.48E-08	2.43E-08	2.32E-08	2.23E-08	2.05E-08	1.67E-08	1.08E-08	7.09E-09
GE 77	1.41E-02	8.88E-03	2.03E-03	2.46E-05	1.56E-08	6.32E-15	2.55E-21	4.16E-34	0.	0.	0.
AS 77	1.46E-04	2.15E-02	1.56E-02	4.50E-03	5.28E-04	7.16E-06	9.72E-08	1.79E-11	8.31E-21	1.78E-39	3.82E-58
SE 77M	5.75E-09	6.48E-05	4.67E-05	1.35E-05	1.58E-06	2.15E-08	2.92E-10	5.38E-14	2.49E-23	5.33E-42	1.15E-60
AS 78	2.71E-02	2.41E-04	7.05E-09	5.96E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	5.25E-04	3.28E-04	2.05E-04	4.98E-05	4.72E-06	4.24E-08	3.80E-10	3.07E-14	1.79E-24	6.15E-45	2.10E-65
BR 83	4.02E-01	1.06E-02	1.06E-05	1.08E-14	1.10E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.08E-05	4.63E-02	5.26E-05	4.72E-14	4.85E-29	0.	0.	0.	0.	0.	0.
KR 85M	3.95E-03	2.25E-01	5.13E-03	6.09E-08	3.76E-16	1.43E-32	5.41E-49	0.	0.	0.	0.
KR 85	4.08E-06	1.07E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.08E-04	1.06E-04	1.04E-04
KR 87	5.05E+01	9.98E-05	1.97E-10	1.53E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	3.01E+01	7.92E-02	2.08E-04	3.78E-12	4.75E-25	0.	0.	0.	0.	0.	0.
RB 88	7.65E+00	8.83E-02	2.33E-04	4.22E-12	5.30E-25	0.	0.	0.	0.	0.	0.
SR 89	2.86E-06	8.57E-02	8.44E-02	8.11E-02	7.61E-02	6.65E-02	5.81E-02	4.47E-02	2.29E-02	6.02E-03	1.59E-03
SR 90	5.39E-06	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.54E-04	5.49E-04	5.49E-04	5.44E-04
Y 90	7.99E-12	1.27E-04	2.24E-04	4.03E-04	5.15E-04	5.49E-04	5.54E-04	5.54E-04	5.49E-04	5.49E-04	5.44E-04
SR 91	6.48E-01	2.32E+00	4.16E-01	2.39E-03	4.36E-07	1.48E-14	5.02E-22	5.71E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.36E-05	1.50E+00	2.68E-01	1.54E-03	2.83E-07	9.54E-15	3.23E-22	3.69E-37	0.	0.	0.
Y 91	1.79E-08	7.14E-02	8.44E-02	8.44E-02	7.95E-02	7.06E-02	6.28E-02	4.98E-02	2.75E-02	8.48E-03	2.61E-03
SR 92	4.92E+00	6.13E-02	1.32E-04	1.33E-12	6.23E-26	0.	0.	0.	0.	0.	0.
Y 92	2.27E-01	6.43E-01	7.14E-03	5.49E-09	3.20E-19	1.10E-39	3.75E-60	0.	0.	0.	0.
Y 93	2.59E-01	1.75E+00	3.42E-01	2.57E-03	7.39E-07	6.11E-14	5.04E-21	3.44E-35	0.	0.	0.
ZR 95	5.25E-04	6.56E-02	6.49E-02	6.29E-02	5.96E-02	5.34E-02	4.81E-02	3.89E-02	2.28E-02	7.85E-03	2.69E-03
NB 95M	1.12E-11	2.22E-04	4.05E-04	7.74E-04	1.04E-03	1.10E-03	1.02E-03	8.24E-04	4.83E-04	1.66E-04	5.73E-05
NB 95	5.85E-11	1.27E-03	2.51E-03	6.01E-03	1.12E-02	1.93E-02	2.49E-02	3.09E-02	2.97E-02	1.43E-02	5.48E-03
ZR 97	1.39E+00	2.36E+00	8.88E-01	4.70E-02	3.53E-04	1.99E-08	1.12E-12	3.53E-21	1.99E-42	0.	0.
NB 97M	7.14E-03	2.27E+00	8.52E-01	4.53E-02	3.39E-04	1.91E-08	1.07E-12	3.39E-21	1.92E-42	0.	0.
NB 97	6.95E-01	2.37E+00	8.90E-01	4.73E-02	3.56E-04	2.14E-08	1.20E-12	3.82E-21	2.15E-42	0.	0.
MO 99	4.21E-03	1.37E+00	1.07E+00	5.07E-01	1.47E-01	1.23E-02	1.02E-03	7.14E-06	2.90E-11	4.78E-22	7.86E-33
TC 99M	3.92E-08	1.21E+00	1.01E+00	4.86E-01	1.40E-01	1.17E-02	9.77E-04	6.82E-06	2.76E-11	4.56E-22	7.52E-33
RU103	9.81E-05	2.24E-01	2.19E-01	2.08E-01	1.91E-01	1.60E-01	1.35E-01	9.49E-02	3.95E-02	6.85E-03	1.19E-03
RH103M	6.54E-09	2.24E-01	2.20E-01	2.09E-01	1.91E-01	1.60E-01	1.35E-01	9.49E-02	3.95E-02	6.85E-03	1.19E-03
RU105	6.40E-01	6.12E-01	1.44E-02	1.89E-07	1.38E-15	7.38E-32	3.95E-48	0.	0.	0.	0.
RH105M	4.21E-03	6.12E-01	1.44E-02	1.90E-07	1.39E-15	7.42E-32	3.96E-48	0.	0.	0.	0.
RH105	6.91E-09	2.21E+00	1.44E+00	3.59E-01	3.54E-02	3.45E-04	3.35E-06	3.16E-10	2.74E-20	2.06E-40	1.55E-60
RU106	6.02E-04	1.14E-02	1.13E-02	1.13E-02	1.12E-02	1.10E-02	1.08E-02	1.04E-02	9.42E-03	7.79E-03	6.46E-03
RH106	6.51E-06	1.14E-02	1.13E-02	1.13E-02	1.12E-02	1.10E-02	1.08E-02	1.04E-02	9.42E-03	7.79E-03	6.46E-03
PD109	1.99E-02	5.08E-01	1.48E-01	3.67E-03	7.73E-06	3.45E-11	1.53E-16	3.03E-27	0.	0.	0.
AG109M	1.15E-04	5.08E-01	1.48E-01	3.67E-03	7.76E-06	3.45E-11	1.53E-16	3.04E-27	0.	0.	0.
PD111M	2.39E+00	1.16E-01	5.63E-03	6.46E-07	1.75E-13	1.27E-26	9.35E-40	0.	0.	0.	0.
PD111	8.50E-01	9.35E-02	4.52E-03	5.19E-07	1.41E-13	1.02E-26	7.51E-40	0.	0.	0.	0.
AG111M	6.75E-03	1.22E-01	5.94E-03	6.83E-07	1.84E-13	1.35E-26	9.88E-40	0.	0.	0.	0.
AG111	2.40E-09	6.63E-02	6.38E-02	4.85E-02	3.05E-02	1.21E-02	4.81E-03	7.58E-04	7.45E-06	7.22E-10	7.00E-14
PD112	7.14E-01	3.25E-01	1.47E-01	1.36E-02	2.59E-04	9.41E-08	3.42E-11	4.49E-18	2.83E-35	0.	0.
AG112	2.15E-05	3.77E-01	1.73E-01	1.61E-02	3.07E-04	1.11E-07	4.03E-11	5.31E-18	3.33E-35	0.	0.
AG113	8.64E-03	9.14E-02	3.95E-03	3.21E-07	4.91E-14	1.15E-27	2.69E-41	0.	0.	0.	0.
CD115M	2.61E-08	7.55E-04	7.43E-04	7.07E-04	6.54E-04	5.55E-04	4.74E-04	3.42E-04	1.53E-04	3.04E-05	6.08E-06
CD115	1.01E-05	1.52E-01	1.11E-01	4.39E-02	9.25E-03	4.13E-04	1.84E-05	3.68E-08	6.49E-15	2.03E-28	6.36E-42
IN115M	1.26E-10	1.60E-01	1.21E-01	4.79E-02	1.01E-02	4.51E-04	2.01E-05	4.01E-08	7.10E-15	2.22E-28	6.95E-42
CD117	2.29E-01	4.99E-03	4.85E-06	4.53E-15	4.02E-30	0.	0.	0.	0.	0.	0.
IN117M	1.10E-05	2.07E-02	2.40E-05	2.31E-14	2.05E-29	0.	0.	0.	0.	0.	0.
IN117	4.42E-10	1.36E-02	1.62E-05	1.57E-14	1.39E-29	0.	0.	0.	0.	0.	0.
SN121	4.67E-03	2.66E-01	1.44E-01	2.26E-02	1.04E-03	2.19E-06	4.62E-09	2.06E-14	8.60E-28	0.	0.
SN123	2.14E-05	2.24E-03	2.22E-03	2.18E-03	2.12E-03	2.00E-03	1.90E-03	1.70E-03	1.29E-03	7.40E-04	4.26E-04
SN125	4.83E-02	4.49E-02	4.17E-02	3.34E-02	2.31E-02	1.11E-02	5.28E-03	1.21E-03	3.03E-05	1.90E-08	1.19E-11
SB125	2.90E-04	3.22E-04	3.52E-04	4.30E-04	5.27E-04	6.38E-04	6.87E-04	7.16E-04	7.03E-04	6.56E-04	6.12E-04
SB126	5.84E-03	5.52E-03	5.23E-03	4.42E-03	3.35E-03	1.92E-03	1.11E-03	3.65E-04	2.28E-05	1.11E-07	2.23E-08

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.73E-02	3.22E-01	1.78E-01	2.99E-02	1.53E-03	4.03E-06	1.06E-08	7.32E-14	9.19E-27	0.	0.
SM153	1.69E-01	1.19E-01	8.36E-02	2.89E-02	4.91E-03	1.43E-04	4.15E-06	3.48E-09	7.19E-17	3.06E-32	1.30E-47
SM156	1.49E-01	2.54E-02	4.33E-03	2.13E-05	3.07E-09	6.31E-17	1.30E-24	5.54E-40	0.	0.	0.
EU155	5.67E-06	1.92E-04	1.92E-04	1.92E-04	1.91E-04	1.91E-04	1.90E-04	1.88E-04	1.85E-04	1.77E-04	1.70E-04
EU156	4.35E-04	3.54E-03	3.92E-03	3.52E-03	2.79E-03	1.75E-03	1.11E-03	4.39E-04	4.35E-05	4.28E-07	4.22E-09
EU157	1.70E-02	1.97E-02	6.62E-03	2.48E-04	1.04E-06	1.84E-11	3.25E-16	1.01E-25	0.	0.	0.
GD159	3.20E-03	6.30E-03	2.51E-03	1.56E-04	1.54E-06	1.49E-10	1.44E-14	1.36E-22	1.16E-42	0.	0.
TB161	5.80E-05	3.79E-04	3.42E-04	2.53E-04	1.53E-04	5.60E-05	2.05E-05	2.75E-06	1.82E-08	7.86E-13	3.42E-17
TOTAL	2.80E+02	8.97E+01	4.40E+01	1.56E+01	5.93E+00	2.04E+00	1.18E+00	6.27E-01	2.68E-01	9.47E-02	4.80E-02

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.09E-05	9.41E-08	8.75E-09	8.12E-10	6.54E-13	5.23E-16	3.91E-20	2.51E-26	0.	0.	0.
MN 54	1.60E-05	6.91E-06	4.56E-06	2.99E-06	8.56E-07	2.44E-07	4.60E-08	3.76E-09	8.83E-13	3.19E-18	1.16E-23
FE 59	5.15E-04	1.86E-06	1.11E-07	6.70E-09	1.46E-12	3.14E-16	4.09E-21	1.92E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	9.38E-05	1.15E-05	4.09E-06	1.43E-06	6.19E-07	2.68E-09	4.09E-11	7.65E-14	6.29E-23	0.	0.
W185	1.49E-02	5.13E-04	9.50E-05	1.76E-05	1.12E-07	7.15E-10	8.42E-13	3.41E-17	0.	0.	0.
W188	1.10E-04	2.86E-06	4.64E-07	7.46E-08	3.15E-10	1.32E-12	8.93E-16	1.58E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.57E+00	3.92E-09	3.81E-09	3.71E-09	3.47E-09	3.23E-09	2.93E-09	2.54E-09	1.58E-09	7.77E-10	3.81E-10
AM241	1.27E-11	1.27E-11	1.27E-11	1.27E-11	1.28E-11	1.29E-11	1.29E-11	1.29E-11	1.30E-11	1.29E-11	1.27E-11
CM242	2.53E-08	5.37E-09	2.47E-09	1.14E-09	1.11E-10	1.08E-11	4.83E-13	4.57E-15	1.31E-19	1.22E-19	1.14E-19
KR 85	4.08E-06	1.01E-04	9.82E-05	9.51E-05	8.67E-05	7.83E-05	6.88E-05	5.67E-05	3.00E-05	1.15E-05	4.38E-06
SR 89	2.86E-06	6.69E-04	5.85E-05	5.14E-06	3.46E-09	2.34E-12	1.38E-16	6.27E-23	4.56E-44	0.	0.
SR 90	5.39E-06	5.39E-04	5.34E-04	5.29E-04	5.10E-04	4.90E-04	4.67E-04	4.33E-04	3.39E-04	2.34E-04	1.62E-04
Y 90	7.99E-12	5.39E-04	5.34E-04	5.29E-04	5.10E-04	4.90E-04	4.67E-04	4.33E-04	3.39E-04	2.34E-04	1.62E-04
Y 91	1.79E-08	1.21E-03	1.40E-04	1.63E-05	2.56E-08	4.01E-11	7.34E-15	1.80E-20	3.64E-39	0.	0.
ZR 95	5.25E-04	1.35E-03	1.92E-04	2.74E-05	7.99E-08	2.33E-10	9.62E-14	8.13E-19	9.95E-36	0.	0.
NB 95M	1.12E-11	2.85E-05	4.08E-06	5.82E-07	1.69E-09	4.93E-12	2.04E-15	1.72E-20	2.11E-37	0.	0.
NB 95	5.85E-11	2.90E-03	4.17E-04	5.94E-05	1.72E-07	5.00E-10	2.09E-13	1.76E-18	2.16E-35	0.	0.
RU103	9.81E-05	3.81E-04	1.56E-05	6.41E-07	4.37E-11	3.00E-15	8.42E-21	3.96E-29	0.	0.	0.
RH103M	6.54E-09	3.82E-04	1.56E-05	6.41E-07	4.38E-11	3.00E-15	8.42E-21	3.97E-29	0.	0.	0.
RU106	6.02E-04	5.72E-03	4.05E-03	2.87E-03	1.02E-03	3.63E-04	9.13E-05	1.15E-05	1.16E-08	3.74E-13	1.20E-17
RH106	6.51E-06	5.72E-03	4.05E-03	2.87E-03	1.02E-03	3.63E-04	9.13E-05	1.15E-05	1.16E-08	3.74E-13	1.20E-17
SN123	2.14E-05	2.96E-04	1.08E-04	3.90E-05	1.87E-06	8.99E-08	1.57E-09	3.61E-12	5.79E-21	3.73E-34	2.39E-47
SB125	2.90E-04	5.84E-04	5.13E-04	4.52E-04	3.08E-04	2.09E-04	1.25E-04	5.79E-05	4.45E-06	9.47E-08	2.02E-09
TE125M	7.81E-12	2.38E-04	2.12E-04	1.87E-04	1.27E-04	8.66E-05	5.18E-05	2.40E-05	1.84E-06	3.92E-08	8.35E-10
TE127M	4.57E-10	2.19E-04	6.84E-05	2.14E-05	6.58E-07	2.02E-08	1.95E-10	1.83E-13	1.50E-23	1.12E-38	8.37E-54
TE127	3.19E-02	2.16E-04	6.76E-05	2.12E-05	6.50E-07	2.00E-08	1.92E-10	1.81E-13	1.49E-23	1.11E-38	8.30E-54
CS137	7.29E-05	7.68E-04	7.60E-04	7.51E-04	7.25E-04	6.98E-04	6.68E-04	6.24E-04	4.93E-04	3.51E-04	2.48E-04
BA137M	1.54E-07	7.20E-04	7.12E-04	7.03E-04	6.77E-04	6.55E-04	6.24E-04	5.85E-04	4.63E-04	3.27E-04	2.32E-04
CE141	1.49E-07	6.43E-05	1.29E-06	2.60E-08	2.11E-13	1.72E-18	2.82E-25	1.87E-35	0.	0.	0.
CE144	1.74E-03	5.10E-03	3.28E-03	2.09E-03	5.49E-04	1.44E-04	2.43E-05	1.68E-06	2.26E-10	3.54E-16	5.52E-22
PR144	4.76E-07	5.10E-03	3.28E-03	2.09E-03	5.49E-04	1.44E-04	2.43E-05	1.68E-06	2.26E-10	3.54E-16	5.52E-22
PM147	2.69E-14	1.56E-03	1.37E-03	1.20E-03	8.06E-04	5.42E-04	3.18E-04	1.45E-04	1.03E-05	1.94E-07	3.67E-09
EU155	5.67E-06	1.66E-04	1.54E-04	1.44E-04	1.15E-04	9.27E-05	6.92E-05	4.47E-05	1.05E-05	1.18E-06	1.32E-07
TOTAL	1.62E+00	3.51E-02	2.07E-02	1.47E-02	7.01E-03	4.36E-03	3.09E-03	2.43E-03	1.69E-03	1.16E-03	8.07E-04

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BRAVO
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	1.22E+02	1.29E+04
1.00E+00		3.75E+01	2.48E+03
2.00E+00		1.45E+01	9.37E+02
3.00E+00		7.43E+00	5.48E+02
4.00E+00		4.48E+00	3.90E+02
6.00E+00		2.27E+00	2.55E+02
9.00E+00		1.36E+00	1.73E+02
1.20E+01		1.00E+00	1.32E+02
1.50E+01		7.87E-01	1.06E+02
1.80E+01		6.41E-01	8.79E+01
2.10E+01		5.35E-01	7.47E+01
1.00E+00	DAYS	4.49E-01	6.38E+01
2.00E+00		2.03E-01	2.89E+01
5.00E+00		8.61E-02	1.09E+01
1.00E+01		4.08E-02	5.02E+00
2.00E+01		1.57E-02	2.07E+00
3.00E+01		8.58E-03	1.25E+00
5.00E+01		3.52E-03	6.71E-01
1.00E+02		8.36E-04	2.72E-01
2.00E+02		2.10E-04	8.50E-02
3.00E+02		8.98E-05	4.13E-02
1.00E+00	YEARS	6.30E-05	3.09E-02
1.50E+00		3.71E-05	1.94E-02
2.00E+00		2.86E-05	1.44E-02
3.50E+00		1.74E-05	7.59E-03
5.00E+00		1.29E-05	5.09E-03
7.00E+00		1.04E-05	3.86E-03
1.00E+01		8.78E-06	3.20E-03
2.00E+01		6.49E-06	2.36E-03
3.50E+01		4.58E-06	1.63E-03
5.00E+01		3.23E-06	1.14E-03

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.07E-06	3.06E-06	3.06E-06	3.06E-06	3.06E-06	3.06E-06	3.05E-06	3.05E-06	3.04E-06	3.04E-06	3.03E-06
NA 24	2.35E-01	2.24E-01	2.14E-01	2.04E-01	1.95E-01	1.78E-01	1.55E-01	1.35E-01	1.18E-01	1.02E-01	8.88E-02
MN 54	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.47E-06	4.47E-06	4.47E-06	4.47E-06
FE 55	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04	2.91E-04
FE 59	1.45E-04	1.45E-04	1.45E-04	1.45E-04	1.45E-04	1.44E-04	1.44E-04	1.44E-04	1.44E-04	1.43E-04	1.43E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.01E-02	6.63E-02	6.28E-02	5.96E-02	5.64E-02	5.06E-02	4.30E-02	3.65E-02	3.11E-02	2.64E-02	2.25E-02
CU 67	8.50E-05	8.43E-05	8.28E-05	8.21E-05	8.14E-05	7.92E-05	7.63E-05	7.41E-05	7.18E-05	6.90E-05	6.70E-05
W181	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04	1.32E-04
W185	2.10E-02	2.10E-02	2.10E-02	2.10E-02	2.09E-02	2.09E-02	2.09E-02	2.09E-02	2.09E-02	2.08E-02	2.08E-02
W187	4.65E-02	4.51E-02	4.37E-02	4.25E-02	4.14E-02	3.89E-02	3.58E-02	3.28E-02	3.00E-02	2.77E-02	2.52E-02
W188	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.42E-01	4.40E-01	4.38E-01	4.36E-01	4.34E-01	4.31E-01	4.25E-01	4.20E-01	4.14E-01	4.08E-01	4.04E-01
U239	1.13E+03	1.93E+02	3.29E+01	5.61E+00	9.53E-01	2.78E-02	1.38E-04	6.79E-07	3.36E-09	1.66E-11	8.22E-14
U240	7.30E+00	6.96E+00	6.62E+00	6.31E+00	6.00E+00	5.44E+00	4.69E+00	4.04E+00	3.49E+00	3.01E+00	2.59E+00
NP239	3.87E-03	6.49E+00	7.51E+00	7.62E+00	7.56E+00	7.39E+00	7.09E+00	6.85E+00	6.61E+00	6.37E+00	6.14E+00
NP240M	1.16E-02	6.98E+00	6.68E+00	6.36E+00	6.06E+00	5.48E+00	4.73E+00	4.09E+00	3.52E+00	3.04E+00	2.62E+00
NP240	2.93E-10	1.50E-10	7.81E-11	4.03E-11	2.08E-11	5.58E-12	7.69E-13	1.06E-13	1.46E-14	2.01E-15	2.79E-16
AM241	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12
CM242	7.14E-09	7.14E-09	7.14E-09	7.14E-09	7.14E-09	7.14E-09	7.10E-09	7.10E-09	7.10E-09	7.10E-09	7.10E-09
GE 75	6.19E-05	3.00E-01	1.81E-01	1.09E-01	6.54E-02	2.37E-02	5.18E-03	1.13E-03	2.48E-04	5.40E-05	1.18E-05
GE 77	1.99E-02	5.11E-02	4.81E-02	4.52E-02	4.26E-02	3.77E-02	3.13E-02	2.60E-02	2.17E-02	1.80E-02	1.50E-02
AS 77	2.05E-04	3.24E-02	3.28E-02	3.30E-02	3.32E-02	3.35E-02	3.35E-02	3.32E-02	3.27E-02	3.21E-02	3.13E-02
SE 77M	8.09E-09	9.71E-05	9.86E-05	9.93E-05	9.93E-05	1.00E-04	1.01E-04	1.00E-04	9.86E-05	9.64E-05	9.34E-05
GE 78	2.12E+00	1.32E+00	8.24E-01	5.15E-01	3.21E-01	1.25E-01	3.04E-02	7.35E-03	1.79E-03	4.36E-04	1.06E-04
AS 78	3.81E-02	6.32E-01	7.80E-01	7.30E-01	6.10E-01	3.60E-01	1.34E-01	4.44E-02	1.38E-02	4.11E-03	1.19E-03
AS 79	3.36E+01	3.31E-01	3.26E-03	3.21E-05	3.16E-07	3.06E-11	2.92E-17	2.78E-23	2.66E-29	2.54E-35	2.42E-41
SE 79M	4.97E-02	5.84E-01	5.76E-03	5.67E-05	5.58E-07	5.40E-11	5.15E-17	4.92E-23	4.69E-29	4.48E-35	4.27E-41
BR 80	1.81E-01	1.71E-02	1.61E-03	1.51E-04	1.42E-05	1.26E-07	1.06E-10	8.81E-14	7.34E-17	6.13E-20	5.12E-23
SE 81M	1.41E-01	6.56E+00	3.17E+00	1.52E+00	7.32E-01	1.71E-01	1.91E-02	2.14E-03	2.40E-04	2.69E-05	3.02E-06
SE 81	1.72E+00	7.75E+00	4.48E+00	2.24E+00	1.09E+00	2.54E-01	2.84E-02	3.18E-03	3.56E-04	4.00E-05	4.48E-06
BR 82	7.39E-04	7.25E-04	7.11E-04	6.97E-04	6.83E-04	6.57E-04	6.20E-04	5.84E-04	5.51E-04	5.19E-04	4.90E-04
SE 83	6.81E+01	1.29E+01	2.45E+00	4.64E-01	8.76E-02	3.15E-03	2.14E-05	1.46E-07	9.96E-10	6.75E-12	4.29E-14
BR 83	5.66E-01	8.44E+00	7.81E+00	6.15E+00	4.67E+00	2.64E+00	1.12E+00	4.69E-01	1.98E-01	8.36E-02	3.53E-02
KR 83M	2.92E-05	1.91E+00	3.90E+00	4.85E+00	5.00E+00	4.17E+00	2.46E+00	1.27E+00	6.10E-01	2.82E-01	1.27E-01

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.31E-01	2.26E+01	6.09E+00	1.65E+00	4.46E-01	3.26E-02	6.45E-04	1.27E-05	2.52E-07	4.98E-09	9.84E-11
KR 85M	5.55E-03	1.19E+01	1.01E+01	8.65E+00	7.39E+00	5.40E+00	3.36E+00	2.10E+00	1.31E+00	8.13E-01	5.08E-01
KR 87	7.12E+01	4.11E+01	2.38E+01	1.37E+01	7.93E+00	2.66E+00	5.16E-01	9.99E-02	1.93E-02	3.74E-03	7.24E-04
KR 88	4.24E+01	3.31E+01	2.58E+01	2.01E+01	1.57E+01	9.56E+00	4.56E+00	2.17E+00	1.03E+00	4.92E-01	2.34E-01
RB 88	1.08E+01	3.35E+01	2.86E+01	2.25E+01	1.76E+01	1.07E+01	5.11E+00	2.43E+00	1.16E+00	5.51E-01	2.62E-01
RB 89	5.26E+01	4.94E+01	3.32E+00	2.23E-01	1.49E-02	6.77E-05	2.05E-08	6.18E-12	1.88E-15	5.70E-19	1.73E-22
SR 89	4.03E-06	1.41E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.50E-01	1.50E-01	1.49E-01	1.49E-01
SR 90	7.59E-06	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04
SR 91	8.09E-01	1.51E+01	1.40E+01	1.31E+01	1.22E+01	1.05E+01	8.49E+00	6.86E+00	5.54E+00	4.45E+00	3.59E+00
Y 91M	5.44E-05	5.19E+00	7.07E+00	7.58E+00	7.48E+00	6.71E+00	5.49E+00	4.42E+00	3.56E+00	2.87E+00	2.32E+00
Y 91	2.23E-08	4.61E-03	1.06E-02	1.70E-02	2.32E-02	3.47E-02	4.93E-02	6.10E-02	7.07E-02	7.83E-02	8.44E-02
SR 92	1.39E+00	6.19E+00	4.79E+00	3.71E+00	2.87E+00	1.72E+00	7.99E-01	3.71E-01	1.72E-01	7.99E-02	3.72E-02
Y 92	6.39E-02	1.30E+00	2.04E+00	2.43E+00	2.58E+00	2.46E+00	1.88E+00	1.28E+00	8.25E-01	5.08E-01	3.06E-01
SR 93	5.98E+01	1.03E+00	5.69E-03	3.15E-05	1.73E-07	5.30E-12	8.94E-19	1.51E-25	2.55E-32	4.29E-39	7.23E-46
Y 93	7.30E-02	2.36E+00	2.22E+00	2.07E+00	1.94E+00	1.69E+00	1.38E+00	1.13E+00	9.14E-01	7.51E-01	6.10E-01
Y 94	8.99E+00	1.23E+01	1.58E+00	2.04E-01	2.63E-02	4.37E-04	9.37E-07	2.01E-09	4.29E-12	9.37E-15	5.19E-16
Y 95	3.93E+01	3.71E+00	8.17E-02	1.80E-03	3.97E-05	1.93E-08	2.06E-13	2.20E-18	2.35E-23	2.52E-28	2.69E-33
ZR 95	1.48E-04	1.93E-02	1.97E-02	1.97E-02	1.97E-02	1.97E-02	1.97E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02
NB 95	1.65E-11	1.19E-05	2.78E-05	4.37E-05	5.96E-05	9.14E-05	1.39E-04	1.87E-04	2.33E-04	2.81E-04	3.27E-04
ZR 97	3.90E-01	1.70E+00	1.63E+00	1.57E+00	1.50E+00	1.38E+00	1.22E+00	1.08E+00	9.61E-01	8.47E-01	7.53E-01
NB 97M	2.01E-03	1.63E+00	1.57E+00	1.51E+00	1.44E+00	1.33E+00	1.18E+00	1.04E+00	9.21E-01	8.13E-01	7.19E-01
NB 97	1.96E-01	8.53E-01	1.20E+00	1.37E+00	1.44E+00	1.43E+00	1.30E+00	1.16E+00	1.03E+00	9.07E-01	8.06E-01
NB 98	2.23E+00	9.86E-01	4.36E-01	1.93E-01	8.54E-02	1.67E-02	1.45E-03	1.25E-04	1.09E-05	9.42E-07	8.10E-08
MO 99	1.19E-03	4.90E-01	4.84E-01	4.80E-01	4.75E-01	4.65E-01	4.51E-01	4.37E-01	4.24E-01	4.11E-01	3.98E-01
TC 99M	1.10E-08	4.67E-02	8.77E-02	1.24E-01	1.56E-01	2.08E-01	2.64E-01	2.99E-01	3.21E-01	3.33E-01	3.39E-01
MO101	1.86E+02	8.42E+01	4.89E+00	2.83E-01	1.64E-02	5.51E-05	1.07E-08	2.08E-12	4.05E-16	7.87E-20	1.53E-23
TC101	7.87E+00	2.36E+02	2.58E+01	2.12E+00	1.54E-01	6.95E-04	1.74E-07	3.89E-11	8.26E-15	1.70E-18	3.44E-22
MO102	1.73E+03	3.95E+01	8.99E-01	2.05E-02	4.68E-04	2.43E-07	2.89E-12	3.43E-17	4.06E-22	4.82E-27	5.73E-32
TC102M	1.11E+00	3.34E+01	7.65E-01	1.75E-02	3.98E-04	2.06E-07	2.45E-12	2.90E-17	3.44E-22	4.08E-27	4.85E-32
TC102	5.21E+03	1.99E+01	4.53E-01	1.03E-02	2.36E-04	1.23E-07	1.46E-12	1.73E-17	2.05E-22	2.43E-27	2.89E-32
RU103	1.38E-04	3.20E-01	3.19E-01	3.19E-01	3.19E-01	3.19E-01	3.18E-01	3.18E-01	3.17E-01	3.16E-01	3.15E-01
RH103M	9.20E-09	1.65E-01	2.45E-01	2.84E-01	3.03E-01	3.15E-01	3.18E-01	3.18E-01	3.17E-01	3.16E-01	3.16E-01
TC104	1.10E+02	7.93E+01	7.93E+00	7.86E-01	7.77E-02	7.65E-04	7.47E-07	7.30E-10	7.13E-13	6.97E-16	6.81E-19
RU105	9.00E-01	3.12E+01	2.66E+01	2.28E+01	1.95E+01	1.43E+01	8.94E+00	5.59E+00	3.50E+00	2.19E+00	1.37E+00
RH105M	5.92E-03	3.12E+01	2.67E+01	2.29E+01	1.95E+01	1.43E+01	8.94E+00	5.61E+00	3.51E+00	2.20E+00	1.37E+00
RH105	9.73E-09	6.34E-01	1.18E+00	1.62E+00	2.00E+00	2.56E+00	3.06E+00	3.29E+00	3.35E+00	3.32E+00	3.23E+00
RU106	8.47E-04	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02
RH106	9.17E-06	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02
RH107	2.48E-01	3.36E+01	5.10E+00	7.67E-01	1.16E-01	2.64E-03	9.09E-06	3.14E-08	1.08E-10	3.69-146	3.67E-17
PD107M	5.14E-04	6.84E+00	1.03E+00	1.56E-01	2.36E-02	5.37E-04	1.85E-06	6.38E-09	2.20E-11	7.58E-14	2.59E-16

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.81E-02	2.33E+00	2.21E+00	2.10E+00	1.99E+00	1.80E+00	1.54E+00	1.32E+00	1.13E+00	9.72E-01	8.35E-01
AG109M	1.62E-04	2.33E+00	2.21E+00	2.10E+00	2.00E+00	1.80E+00	1.54E+00	1.32E+00	1.13E+00	9.72E-01	8.35E-01
PD111M	3.36E+00	2.96E+00	2.61E+00	2.31E+00	2.03E+00	1.58E+00	1.08E+00	7.41E-01	5.08E-01	3.47E-01	2.38E-01
PD111	1.20E+00	2.16E+00	2.07E+00	1.84E+00	1.63E+00	1.27E+00	8.69E-01	5.95E-01	4.07E-01	2.80E-01	1.92E-01
AG111M	9.50E-03	2.91E+00	2.73E+00	2.44E+00	2.16E+00	1.67E+00	1.14E+00	7.81E-01	5.35E-01	3.67E-01	2.51E-01
AG111	3.38E-09	1.00E-02	2.11E-02	3.10E-02	3.97E-02	5.42E-02	6.96E-02	7.97E-02	8.64E-02	9.05E-02	9.30E-02
PD112	1.01E+00	9.75E-01	9.41E-01	9.11E-01	8.83E-01	8.25E-01	7.48E-01	6.78E-01	6.13E-01	5.55E-01	5.03E-01
AG112	3.03E-05	1.93E-01	3.40E-01	4.57E-01	5.43E-01	6.50E-01	7.14E-01	7.11E-01	6.78E-01	6.32E-01	5.83E-01
AG113	1.22E-02	2.60E+00	2.28E+00	2.00E+00	1.76E+00	1.35E+00	9.15E-01	6.18E-01	4.17E-01	2.82E-01	1.90E-01
AG115	4.50E+00	4.82E+00	5.99E-01	7.49E-02	9.38E-03	1.47E-04	2.87E-07	5.60E-10	1.08E-12	1.08-161	9.99E-16
CD115M	3.68E-08	9.78E-04	1.10E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.10E-03	1.10E-03
CD115	1.42E-05	2.68E-01	2.88E-01	2.87E-01	2.84E-01	2.77E-01	2.66E-01	2.56E-01	2.46E-01	2.37E-01	2.28E-01
IN115M	1.77E-10	2.95E-02	6.57E-02	9.74E-02	1.24E-01	1.66E-01	2.04E-01	2.25E-01	2.35E-01	2.37E-01	2.35E-01
CD117	3.22E-01	5.36E+00	4.04E+00	3.01E+00	2.26E+00	1.27E+00	5.32E-01	2.24E-01	9.43E-02	3.96E-02	1.67E-02
IN117M	1.55E-05	1.86E+00	2.70E+00	2.93E+00	2.83E+00	2.23E+00	1.28E+00	6.53E-01	3.14E-01	1.45E-01	6.57E-02
IN117	6.23E-10	3.40E-01	8.23E-01	1.14E+00	1.28E+00	1.17E+00	7.47E-01	4.00E-01	1.99E-01	9.36E-02	4.30E-02
CD118	2.13E+01	9.13E+00	3.92E+00	1.67E+00	7.15E-01	1.31E-01	1.03E-02	8.03E-04	6.32E-05	4.95E-06	3.88E-07
IN118	1.41E+00	9.13E+00	3.92E+00	1.67E+00	7.15E-01	1.31E-01	1.03E-02	8.07E-04	6.32E-05	4.95E-06	3.88E-07
CD119	5.32E+01	8.29E-01	1.29E-02	2.02E-04	3.16E-06	7.74E-10	2.95E-15	1.13E-20	4.29E-26	1.64E-31	6.27E-37
IN119M	8.02E-02	8.97E+00	9.76E-01	9.84E-02	9.80E-03	9.64E-05	9.41E-08	9.21E-11	8.97E-14	8.77E-17	8.57E-20
IN119	3.95E+00	4.72E-01	5.48E-02	5.56E-03	5.56E-04	5.44E-06	5.32E-09	5.20E-12	5.08E-15	4.96E-18	4.84E-21
SN121	6.57E-03	6.77E-01	6.57E-01	6.42E-01	6.26E-01	5.96E-01	5.49E-01	5.10E-01	4.72E-01	4.37E-01	4.06E-01
SN123M	3.20E+00	5.99E+00	2.12E+00	7.51E-01	2.65E-01	3.31E-02	1.47E-03	6.49E-05	2.87E-06	1.27E-07	5.61E-09
SN123	3.01E-05	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03	3.15E-03
SN125	6.80E-02	6.78E-02	6.76E-02	6.75E-02	6.71E-02	6.68E-02	6.62E-02	6.55E-02	6.50E-02	6.43E-02	6.37E-02
SB125	4.08E-04	4.10E-04	4.12E-04	4.14E-04	4.15E-04	4.19E-04	4.26E-04	4.31E-04	4.37E-04	4.42E-04	4.47E-04
SB126	8.22E-03	8.19E-03	8.18E-03	8.17E-03	8.14E-03	8.10E-03	8.05E-03	8.00E-03	7.93E-03	7.88E-03	7.83E-03
SN127	6.81E+00	4.89E+00	3.51E+00	2.53E+00	1.82E+00	9.40E-01	3.49E-01	1.30E-01	4.81E-02	1.79E-02	6.65E-03
SB127	7.94E-02	2.74E-01	3.03E-01	3.23E-01	3.37E-01	3.51E-01	3.57E-01	3.54E-01	3.48E-01	3.40E-01	3.34E-01
TE127	4.49E-02	5.59E-02	6.79E-02	8.05E-02	9.31E-02	1.17E-01	1.50E-01	1.75E-01	1.94E-01	2.10E-01	2.19E-01
SN128	3.53E+01	1.74E+01	8.61E+00	4.26E+00	2.10E+00	5.13E-01	6.20E-02	7.48E-03	9.03E-04	1.09E-04	1.32E-05
SB128M	1.80E-02	1.98E+01	1.03E+01	5.08E+00	2.51E+00	6.14E-01	7.39E-02	8.92E-03	1.08E-03	1.30E-04	1.57E-05
SB128	1.49E+00	1.43E+00	1.35E+00	1.26E+00	1.18E+00	1.01E+00	8.06E-01	6.40E-01	5.08E-01	4.03E-01	3.20E-01
SN129M	1.82E+01	9.07E+00	4.55E+00	2.27E+00	1.14E+00	2.84E-01	3.56E-02	4.45E-03	5.56E-04	6.95E-05	8.68E-06
SN129	1.21E+02	1.19E+00	1.18E-02	1.16E-04	1.14E-06	1.11E-10	1.05E-16	1.01E-22	9.60E-29	9.14E-35	8.76E-41
SB129	6.83E+00	1.14E+01	1.08E+01	9.60E+00	8.45E+00	6.28E+00	3.91E+00	2.42E+00	1.49E+00	9.22E-01	5.67E-01
TE129M	1.29E-07	1.43E-03	2.94E-03	4.33E-03	5.56E-03	7.53E-03	9.53E-03	1.08E-02	1.15E-02	1.20E-02	1.23E-02
TE129	4.92E+00	6.76E+00	7.91E+00	8.22E+00	7.91E+00	6.55E+00	4.36E+00	2.75E+00	1.71E+00	1.06E+00	6.58E-01
SB130M	6.57E-01	1.24E+00	3.26E-03	8.55E-06	2.25E-08	1.55E-13	2.83E-21	5.15E-29	9.34E-37	1.70E-44	3.09E-52
SB130	1.13E+02	3.41E+01	9.69E+00	2.74E+00	7.77E-01	6.25E-02	1.43E-03	3.25E-05	7.41E-07	1.69E-08	3.86E-10

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.14E-02	2.96E-02	2.81E-02	2.65E-02	2.51E-02	2.24E-02	1.90E-02	1.60E-02	1.35E-02	1.15E-02	9.69E-03
SB131	2.53E+02	6.62E+01	1.08E+01	1.78E+00	2.91E-01	7.84E-03	3.45E-05	1.53E-07	6.71E-10	2.96E-12	1.48E-14
TE131M	1.22E-04	6.38E-01	7.27E-01	7.28E-01	7.14E-01	6.83E-01	6.37E-01	5.94E-01	5.54E-01	5.17E-01	4.83E-01
TE131	1.12E+02	1.22E+02	3.97E+01	1.03E+01	2.51E+00	2.36E-01	1.17E-01	1.08E-01	1.01E-01	9.44E-02	8.80E-02
I131	1.63E-02	5.65E-01	8.31E-01	9.12E-01	9.28E-01	9.36E-01	9.36E-01	9.28E-01	9.28E-01	9.20E-01	9.20E-01
TE132	1.32E+00	3.20E+00	3.17E+00	3.15E+00	3.12E+00	3.06E+00	2.98E+00	2.90E+00	2.83E+00	2.75E+00	2.68E+00
I132	3.24E+00	3.23E+00	3.22E+00	3.20E+00	3.18E+00	3.14E+00	3.07E+00	2.99E+00	2.91E+00	2.84E+00	2.77E+00
TE133M	1.54E-01	5.32E+01	2.32E+01	1.01E+01	4.39E+00	8.34E-01	6.86E-02	5.66E-03	4.67E-04	3.85E-05	3.17E-06
TE133	8.63E+02	4.89E+01	5.44E+00	1.80E+00	7.61E-01	1.44E-01	1.19E-02	9.80E-04	8.12E-05	6.68E-06	5.51E-07
I133	1.34E+00	1.44E+01	1.56E+01	1.56E+01	1.53E+01	1.45E+01	1.32E+01	1.19E+01	1.08E+01	9.80E+00	8.85E+00
XE133M	5.70E-08	3.24E-03	7.83E-03	1.25E-02	1.70E-02	2.56E-02	3.71E-02	4.70E-02	5.54E-02	6.27E-02	6.87E-02
XE133	9.95E-07	5.66E-02	1.38E-01	2.19E-01	3.01E-01	4.56E-01	6.69E-01	8.56E-01	1.02E+00	1.17E+00	1.30E+00
TE134	2.70E+02	1.25E+02	4.65E+01	1.73E+01	6.42E+00	8.90E-01	4.55E-02	2.33E-03	1.19E-04	6.13E-06	3.14E-07
I134	1.24E+02	1.65E+02	1.16E+02	6.79E+01	3.64E+01	9.25E+00	1.02E+00	1.04E-01	1.02E-02	9.74E-04	9.25E-05
I135	2.24E+01	3.94E+01	3.56E+01	3.20E+01	2.90E+01	2.35E+01	1.72E+01	1.26E+01	9.27E+00	6.82E+00	4.98E+00
XE135M	2.48E-03	1.14E+01	1.11E+01	1.00E+01	9.01E+00	7.34E+00	5.39E+00	3.94E+00	2.90E+00	2.12E+00	1.56E+00
XE135	2.58E+00	5.10E+00	7.46E+00	9.39E+00	1.09E+01	1.31E+01	1.45E+01	1.46E+01	1.39E+01	1.27E+01	1.13E+01
CS136	2.48E-03	2.47E-03	2.47E-03	2.47E-03	2.46E-03	2.45E-03	2.43E-03	2.42E-03	2.40E-03	2.38E-03	2.37E-03
CS137	1.03E-04	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03
BA137M	2.16E-07	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
XE138	8.64E+02	7.44E+01	6.47E+00	5.60E-01	4.85E-02	3.64E-04	2.37E-07	1.53E-10	9.99E-14	6.49E-17	4.22E-20
CS138	1.29E+02	2.16E+02	7.51E+01	2.20E+01	6.18E+00	4.70E-01	9.78E-03	2.03E-04	4.22E-06	8.78E-08	1.82E-09
CS139	6.86E+02	2.19E+01	2.75E-01	3.45E-03	4.33E-05	6.80E-09	1.35E-14	2.67E-20	5.29E-26	1.05E-31	2.07E-37
BA139	1.27E+01	1.41E+02	8.71E+01	5.29E+01	3.20E+01	1.17E+01	2.61E+00	5.79E-01	1.29E-01	2.85E-02	6.34E-03
BA140	1.16E-01	7.25E-01	7.25E-01	7.20E-01	7.20E-01	7.14E-01	7.14E-01	7.09E-01	7.03E-01	6.98E-01	6.92E-01
LA140	2.76E-07	1.24E-02	2.46E-02	3.65E-02	4.82E-02	7.09E-02	1.04E-01	1.34E-01	1.63E-01	1.90E-01	2.15E-01
BA141	1.10E+02	3.31E+01	3.29E+00	3.26E-01	3.24E-02	3.21E-04	3.13E-07	3.05E-10	2.97E-13	2.92E-16	2.84E-19
LA141	1.01E+00	2.15E+01	2.00E+01	1.70E+01	1.42E+01	9.97E+00	5.85E+00	3.42E+00	2.01E+00	1.18E+00	6.92E-01
CE141	1.25E-07	1.39E-02	3.26E-02	4.91E-02	6.29E-02	8.43E-02	1.05E-01	1.16E-01	1.23E-01	1.27E-01	1.29E-01
BA142	7.23E+01	2.87E+00	6.55E-02	1.49E-03	3.41E-05	1.77E-08	2.10E-13	2.49E-18	2.96E-23	3.51E-28	4.17E-33
LA142	1.66E+00	1.15E+01	7.60E+00	4.83E+00	3.08E+00	1.24E+00	3.21E-01	8.27E-02	2.13E-02	5.49E-03	1.42E-03
LA143	2.71E+01	5.29E+00	2.71E-01	1.40E-02	7.17E-04	1.88E-06	2.53E-10	3.41E-14	4.60E-18	6.20E-22	8.37E-26
CE143	1.08E-02	6.91E-01	7.17E-01	6.98E-01	6.85E-01	6.59E-01	6.18E-01	5.80E-01	5.45E-01	5.11E-01	4.80E-01
PR143	3.17E-09	1.06E-03	2.56E-03	4.04E-03	5.49E-03	8.31E-03	1.22E-02	1.60E-02	1.94E-02	2.26E-02	2.56E-02
CE144	4.89E-04	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03
PR144	1.34E-07	3.19E-03	3.47E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03	3.50E-03
PR145	1.99E-02	2.93E+00	2.60E+00	2.32E+00	2.07E+00	1.64E+00	1.16E+00	8.15E-01	5.78E-01	4.08E-01	2.88E-01
CE146	6.49E+01	3.33E+00	1.71E-01	8.72E-03	4.49E-04	1.18E-06	1.59E-10	2.14E-14	2.89E-18	3.90E-22	5.25E-26
PR146	1.34E+00	1.17E+01	2.65E+00	4.97E-01	8.94E-02	2.81E-03	1.55E-05	8.56E-08	4.74E-10	2.62E-12	1.43E-14
PR147	7.65E+00	2.21E+00	6.90E-02	2.16E-03	6.75E-05	6.59E-08	2.01E-12	6.14E-17	1.87E-21	5.72E-26	1.74E-30

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.73E-06	5.13E-02	5.28E-02	5.27E-02	5.26E-02	5.23E-02	5.19E-02	5.15E-02	5.11E-02	5.07E-02	5.03E-02
ND149	4.79E+00	3.26E+00	2.22E+00	1.51E+00	1.02E+00	4.76E-01	1.49E-01	4.72E-02	1.49E-02	4.67E-03	1.48E-03
PM149	6.68E-04	5.22E-02	8.66E-02	1.10E-01	1.24E-01	1.40E-01	1.45E-01	1.42E-01	1.39E-01	1.33E-01	1.29E-01
PM150	5.41E-02	4.18E-02	3.24E-02	2.50E-02	1.93E-02	1.16E-02	5.37E-03	2.48E-03	1.15E-03	5.32E-04	2.46E-04
ND151	2.10E+01	6.56E-01	2.05E-02	6.41E-04	2.01E-05	1.96E-08	5.98E-13	1.83E-17	5.57E-22	1.70E-26	5.19E-31
PM151	1.33E-02	1.56E-01	1.56E-01	1.53E-01	1.49E-01	1.42E-01	1.31E-01	1.22E-01	1.13E-01	1.05E-01	9.75E-02
PM152	3.29E+01	3.22E-02	3.14E-05	3.07E-08	3.00E-11	2.86E-17	2.67E-26	2.49E-35	2.32E-44	2.16E-53	2.01E-62
SM153	4.77E-02	4.70E-02	4.64E-02	4.57E-02	4.50E-02	4.37E-02	4.18E-02	3.99E-02	3.83E-02	3.66E-02	3.50E-02
SM155	2.17E+00	3.57E-01	5.85E-02	9.57E-03	1.57E-03	4.22E-05	1.86E-07	8.20E-10	3.62E-12	1.61E-14	3.96E-17
EU155	1.60E-06	4.55E-05	5.27E-05	5.39E-05	5.41E-05	5.41E-05	5.41E-05	5.41E-05	5.41E-05	5.41E-05	5.41E-05
SM156	4.19E-02	3.89E-02	3.61E-02	3.35E-02	3.11E-02	2.69E-02	2.15E-02	1.73E-02	1.39E-02	1.11E-02	8.88E-03
EU156	1.22E-04	2.00E-04	2.71E-04	3.38E-04	4.00E-04	5.09E-04	6.48E-04	7.50E-04	8.40E-04	9.06E-04	9.54E-04
EU157	4.79E-03	1.59E-02	1.52E-02	1.45E-02	1.38E-02	1.26E-02	1.10E-02	9.62E-03	8.38E-03	7.30E-03	6.36E-03
EU158	1.51E-01	6.13E-02	2.48E-02	1.00E-02	4.06E-03	6.65E-04	4.43E-05	2.94E-06	1.95E-07	1.30E-08	8.60E-10
EU159	2.10E-01	2.09E-02	2.07E-03	2.06E-04	2.04E-05	2.01E-07	1.96E-10	1.92E-13	1.87E-16	1.83E-19	1.79E-22
GD159	9.01E-04	3.95E-03	4.10E-03	3.98E-03	3.83E-03	3.55E-03	3.16E-03	2.82E-03	2.51E-03	2.23E-03	1.99E-03
TB161	1.63E-05	1.17E-04	1.17E-04	1.16E-04	1.16E-04	1.15E-04	1.14E-04	1.12E-04	1.10E-04	1.09E-04	1.08E-04
TOTAL	1.29E+04	2.48E+03	9.37E+02	5.48E+02	3.90E+02	2.55E+02	1.73E+02	1.32E+02	1.06E+02	8.79E+01	7.47E+01

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.07E-06	3.03E-06	2.99E-06	2.88E-06	2.70E-06	2.37E-06	2.08E-06	1.60E-06	8.37E-07	2.27E-07	6.18E-08
NA 24	2.35E-01	7.74E-02	2.55E-02	9.16E-04	3.58E-06	5.48E-11	8.36E-16	1.95E-25	0.	0.	0.
MN 54	4.51E-06	4.47E-06	4.47E-06	4.39E-06	4.35E-06	4.27E-06	4.19E-06	4.00E-06	3.57E-06	2.84E-06	2.26E-06
FE 55	2.91E-04	2.91E-04	2.91E-04	2.89E-04	2.88E-04	2.87E-04	2.84E-04	2.80E-04	2.69E-04	2.51E-04	2.33E-04
FE 59	1.45E-04	1.43E-04	1.41E-04	1.34E-04	1.24E-04	1.07E-04	9.13E-05	6.71E-05	3.12E-05	6.65E-06	1.43E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.01E-02	1.91E-02	5.20E-03	1.06E-04	1.59E-07	3.61E-13	8.17E-19	4.20E-30	0.	0.	0.
CU 67	8.50E-05	6.48E-05	4.95E-05	2.20E-05	5.73E-06	3.86E-07	2.61E-08	1.18E-10	1.66E-16	0.	0.
W181	1.32E-04	1.32E-04	1.30E-04	1.29E-04	1.25E-04	1.18E-04	1.11E-04	9.94E-05	7.45E-05	4.20E-05	2.37E-05
W185	2.10E-02	2.08E-02	2.04E-02	2.00E-02	1.92E-02	1.74E-02	1.59E-02	1.32E-02	8.34E-03	3.32E-03	1.32E-03
W187	4.65E-02	2.32E-02	1.15E-02	1.43E-03	4.40E-05	4.20E-08	3.97E-11	3.58E-19	0.	0.	0.
W188	1.55E-04	1.53E-04	1.52E-04	1.47E-04	1.41E-04	1.27E-04	1.15E-04	9.41E-05	5.70E-05	2.10E-05	7.74E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.42E-01	3.99E-01	3.60E-01	2.65E-01	1.58E-01	5.67E-02	2.03E-02	2.60E-03	1.53E-05	1.65E-09	1.11E-09
U240	7.30E+00	2.25E+00	6.90E-01	2.00E-02	5.49E-05	4.13E-10	3.11E-15	1.75E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	3.87E-03	5.91E+00	4.40E+00	1.82E+00	4.16E-01	2.17E-02	1.14E-03	3.12E-06	1.23E-12	2.93E-22	2.93E-22
NP240M	1.16E-02	2.26E+00	6.96E-01	2.01E-02	5.53E-05	4.17E-10	3.13E-15	1.77E-25	0.	0.	0.
AM241	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12
CM242	7.14E-09	7.10E-09	7.06E-09	6.99E-09	6.84E-09	6.54E-09	6.29E-09	5.77E-09	4.70E-09	3.05E-09	2.00E-09
GE 77	1.99E-02	1.25E-02	2.86E-03	3.46E-05	2.20E-08	8.90E-15	3.59E-21	5.86E-34	0.	0.	0.
AS 77	2.05E-04	3.03E-02	2.19E-02	6.34E-03	7.43E-04	1.01E-05	1.37E-07	2.52E-11	1.17E-20	2.51E-39	5.38E-58
SE 77M	8.09E-09	9.12E-05	6.57E-05	1.91E-05	2.22E-06	3.02E-08	4.10E-10	7.58E-14	3.51E-23	7.50E-42	1.62E-60
AS 78	3.81E-02	3.39E-04	9.93E-09	8.38E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7.39E-04	4.61E-04	2.88E-04	7.00E-05	6.64E-06	5.97E-08	5.35E-10	4.32E-14	2.52E-24	8.66E-45	2.95E-65
BR 83	5.66E-01	1.49E-02	1.50E-05	1.52E-14	1.55E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.92E-05	6.52E-02	7.40E-05	6.65E-14	6.83E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.55E-03	3.17E-01	7.22E-03	8.58E-08	5.29E-16	2.01E-32	7.62E-49	0.	0.	0.	0.
KR 85	5.75E-06	1.51E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.53E-04	1.52E-04	1.49E-04	1.46E-04
KR 87	7.12E+01	1.40E-04	2.78E-10	2.15E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.24E+01	1.12E-01	2.93E-04	5.32E-12	6.69E-25	0.	0.	0.	0.	0.	0.
RB 88	1.08E+01	1.24E-01	3.28E-04	5.95E-12	7.46E-25	0.	0.	0.	0.	0.	0.
SR 89	4.03E-06	1.21E-01	1.19E-01	1.14E-01	1.07E-01	9.36E-02	8.18E-02	6.30E-02	3.22E-02	8.47E-03	2.24E-03
SR 90	7.59E-06	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.73E-04	7.73E-04	7.66E-04
Y 90	1.12E-11	1.79E-04	3.16E-04	5.68E-04	7.24E-04	7.73E-04	7.80E-04	7.80E-04	7.73E-04	7.73E-04	7.66E-04
SR 91	8.09E-01	2.89E+00	5.19E-01	2.97E-03	5.44E-07	1.85E-14	6.25E-22	7.12E-37	0.	0.	0.

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.07E-06	3.03E-06	2.99E-06	2.88E-06	2.70E-06	2.37E-06	2.08E-06	1.60E-06	8.37E-07	2.27E-07	6.18E-08
NA 24	2.35E-01	7.74E-02	2.55E-02	9.16E-04	3.58E-06	5.48E-11	8.36E-16	1.95E-25	0.	0.	0.
MN 54	4.51E-06	4.47E-06	4.47E-06	4.39E-06	4.35E-06	4.27E-06	4.19E-06	4.00E-06	3.57E-06	2.84E-06	2.26E-06
FE 55	2.91E-04	2.91E-04	2.91E-04	2.89E-04	2.88E-04	2.87E-04	2.84E-04	2.80E-04	2.69E-04	2.51E-04	2.33E-04
FE 59	1.45E-04	1.43E-04	1.41E-04	1.34E-04	1.24E-04	1.07E-04	9.13E-05	6.71E-05	3.12E-05	6.65E-06	1.43E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.01E-02	1.91E-02	5.20E-03	1.06E-04	1.59E-07	3.61E-13	8.17E-19	4.20E-30	0.	0.	0.
CU 67	8.50E-05	6.48E-05	4.95E-05	2.20E-05	5.73E-06	3.86E-07	2.61E-08	1.18E-10	1.66E-16	0.	0.
W181	1.32E-04	1.32E-04	1.30E-04	1.29E-04	1.25E-04	1.18E-04	1.11E-04	9.94E-05	7.45E-05	4.20E-05	2.37E-05
W185	2.10E-02	2.08E-02	2.04E-02	2.00E-02	1.92E-02	1.74E-02	1.59E-02	1.32E-02	8.34E-03	3.32E-03	1.32E-03
W187	4.65E-02	2.32E-02	1.15E-02	1.43E-03	4.40E-05	4.20E-08	3.97E-11	3.58E-19	0.	0.	0.
W188	1.55E-04	1.53E-04	1.52E-04	1.47E-04	1.41E-04	1.27E-04	1.15E-04	9.41E-05	5.70E-05	2.10E-05	7.74E-06
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.42E-01	3.99E-01	3.60E-01	2.65E-01	1.58E-01	5.67E-02	2.03E-02	2.60E-03	1.53E-05	1.65E-09	1.11E-09
U240	7.30E+00	2.25E+00	6.90E-01	2.00E-02	5.49E-05	4.13E-10	3.11E-15	1.75E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	3.87E-03	5.91E+00	4.40E+00	1.82E+00	4.16E-01	2.17E-02	1.14E-03	3.12E-06	1.23E-12	2.93E-22	2.93E-22
NP240M	1.16E-02	2.26E+00	6.96E-01	2.01E-02	5.53E-05	4.17E-10	3.13E-15	1.77E-25	0.	0.	0.
AM241	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.59E-12
CM242	7.14E-09	7.10E-09	7.06E-09	6.99E-09	6.84E-09	6.54E-09	6.29E-09	5.77E-09	4.70E-09	3.05E-09	2.00E-09
GE 77	1.99E-02	1.25E-02	2.86E-03	3.46E-05	2.20E-08	8.90E-15	3.59E-21	5.86E-34	0.	0.	0.
AS 77	2.05E-04	3.03E-02	2.19E-02	6.34E-03	7.43E-04	1.01E-05	1.37E-07	2.52E-11	1.17E-20	2.51E-39	5.38E-58
SE 77M	8.09E-09	9.12E-05	6.57E-05	1.91E-05	2.22E-06	3.02E-08	4.10E-10	7.58E-14	3.51E-23	7.50E-42	1.62E-60
AS 78	3.81E-02	3.39E-04	9.93E-09	8.38E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7 39E-04	4.61E-04	2.88E-04	7.00E-05	6.64E-06	5.97E-08	5.35E-10	4.32E-14	2.52E-24	8.66E-45	2.95E-65
BR 83	5.66E-01	1.49E-02	1.50E-05	1.52E-14	1.55E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.92E-05	6.52E-02	7.40E-05	6.65E-14	6.83E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.55E-03	3.17E-01	7.22E-03	8.58E-08	5.29E-16	2.01E-32	7.62E-49	0.	0.	0.	0.
KR 85	5.75E-06	1.51E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.53E-04	1.52E-04	1.49E-04	1.46E-04
KR 87	7.12E+01	1.40E-04	2.78E-10	2.15E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.24E+01	1.12E-01	2.93E-04	5.32E-12	6.69E-25	0.	0.	0.	0.	0.	0.
RB 88	1.08E+01	1.24E-01	3.28E-04	5.95E-12	7.46E-25	0.	0.	0.	0.	0.	0.
SR 89	4.03E-06	1.21E-01	1.19E-01	1.14E-01	1.07E-01	9.36E-02	8.18E-02	6.30E-02	3.22E-02	8.47E-03	2.24E-03
SR 90	7.59E-06	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.80E-04	7.73E-04	7.73E-04	7.66E-04
Y 90	1.12E-11	1.79E-04	3.16E-04	5.68E-04	7.24E-04	7.73E-04	7.80E-04	7.80E-04	7.73E-04	7.73E-04	7.66E-04
SR 91	8.09E-01	2.89E+00	5.19E-01	2.97E-03	5.44E-07	1.85E-14	6.25E-22	7.12E-37	0.	0.	0.

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.44E-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.
Y 91	2.23E-08	8.90E-02	1.05E-01	1.05E-01	9.92E-02	8.80E-02	7.83E-02	6.20E-02	3.43E-02	1.06E-02	3.25E-03
SR 92	1.39E+00	1.73E-02	3.72E-05	3.74E-13	1.75E-26	0.	0.	0.	0.	0.	0.
Y 92	6.39E-02	1.81E-01	2.01E-03	1.55E-09	9.02E-20	3.09E-40	1.06E-60	0.	0.	0.	0.
Y 93	7.30E-02	4.93E-01	9.62E-02	7.23E-04	2.08E-07	1.72E-14	1.42E-21	9.69E-36	0.	0.	0.
ZR 95	1.48E-04	1.85E-02	1.83E-02	1.77E-02	1.68E-02	1.50E-02	1.35E-02	1.10E-02	6.42E-03	2.21E-03	7.58E-04
NB 95M	3.14E-12	6.26E-05	1.14E-04	2.18E-04	2.94E-04	3.10E-04	2.86E-04	2.32E-04	1.36E-04	4.69E-05	1.61E-05
NB 95	1.65E-11	3.57E-04	7.07E-04	1.69E-03	3.14E-03	5.43E-03	7.00E-03	8.69E-03	8.36E-03	4.02E-03	1.54E-03
ZR 97	3.90E-01	6.65E-01	2.50E-01	1.32E-02	9.94E-05	5.60E-09	3.14E-13	9.94E-22	5.61E-43	0.	0.
NB 97M	2.01E-03	6.38E-01	2.40E-01	1.28E-02	9.54E-05	5.38E-09	3.02E-13	9.54E-22	5.40E-43	0.	0.
NB 97	1.96E-01	6.67E-01	2.51E-01	1.33E-02	1.00E-04	6.03E-09	3.39E-13	1.08E-21	6.05E-43	0.	0.
MO 99	1.19E-03	3.86E-01	3.02E-01	1.43E-01	4.13E-02	3.45E-03	2.88E-04	2.01E-06	8.16E-12	1.35E-22	2.21E-33
TC 99M	1.10E-08	3.39E-01	2.86E-01	1.37E-01	3.94E-02	3.29E-03	2.75E-04	1.92E-06	7.78E-12	1.28E-22	2.12E-33
RU103	1.38E-04	3.15E-01	3.09E-01	2.93E-01	2.69E-01	2.26E-01	1.89E-01	1.34E-01	5.56E-02	9.64E-03	1.68E-03
RH103M	9.20E-09	3.15E-01	3.10E-01	2.94E-01	2.69E-01	2.26E-01	1.89E-01	1.34E-01	5.57E-02	9.64E-03	1.68E-03
RU105	9.00E-01	6.61E-01	2.02E-02	2.66E-07	1.95E-15	1.04E-31	5.57E-48	0.	0.	0.	0.
RH105M	5.92E-03	8.61E-01	2.03E-02	2.67E-07	1.95E-15	1.04E-31	5.58E-48	0.	0.	0.	0.
RH105	9.73E-09	3.11E+00	2.03E+00	5.06E-01	4.99E-02	4.85E-04	4.71E-06	4.45E-10	3.86E-20	2.90E-40	2.18E-60
RU106	8.47E-04	1.60E-02	1.60E-02	1.59E-02	1.58E-02	1.55E-02	1.51E-02	1.46E-02	1.33E-02	1.10E-02	9.10E-03
RH106	9.17E-06	1.60E-02	1.60E-02	1.59E-02	1.58E-02	1.55E-02	1.51E-02	1.46E-02	1.33E-02	1.10E-02	9.10E-03
PD109	2.81E-02	7.15E-01	2.08E-01	5.17E-03	1.09E-05	4.85E-11	2.16E-16	4.27E-27	0.	0.	0.
AG109M	1.62E-04	7.15E-01	2.09E-01	5.17E-03	1.09E-05	4.86E-11	2.16E-16	4.28E-27	0.	0.	0.
PD111M	3.36E+00	1.63E-01	7.92E-03	9.09E-07	2.46E-13	1.79E-26	1.32E-39	0.	0.	0.	0.
PD111	1.20E+00	1.32E-01	6.37E-03	7.31E-07	1.98E-13	1.44E-26	1.06E-39	0.	0.	0.	0.
AG111M	9.50E-03	1.72E-01	8.36E-03	9.61E-07	2.59E-13	1.91E-26	1.39E-39	0.	0.	0.	0.
AG111	3.38E-09	9.34E-02	8.98E-02	6.83E-02	4.30E-02	1.70E-02	6.77E-03	1.07E-03	1.05E-05	1.02E-09	9.85E-14
PD112	1.01E+00	4.57E-01	2.07E-01	1.92E-02	3.65E-04	1.32E-07	4.81E-11	6.32E-18	3.99E-35	0.	0.
AG112	3.03E-05	5.30E-01	2.44E-01	2.26E-02	4.32E-04	1.56E-07	5.67E-11	7.48E-18	4.69E-35	0.	0.
AG113	1.22E-02	1.29E-01	5.56E-03	4.52E-07	6.91E-14	1.62E-27	3.78E-41	0.	0.	0.	0.
CD115M	3.68E-08	1.06E-03	1.05E-03	9.96E-04	9.21E-04	7.81E-04	6.67E-04	4.82E-04	2.16E-04	4.28E-05	8.56E-06
CD115	1.42E-05	2.14E-01	1.57E-01	6.17E-02	1.30E-02	5.82E-04	2.59E-05	5.17E-08	9.14E-15	2.86E-28	8.96E-42
IN115M	1.77E-10	2.26E-01	1.71E-01	6.74E-02	1.42E-02	6.35E-04	2.83E-05	5.64E-08	9.99E-15	3.13E-28	9.78E-42
CD117	3.22E-01	7.02E-03	6.83E-06	6.38E-15	5.66E-30	0.	0.	0.	0.	0.	0.
IN117M	1.55E-05	2.91E-02	3.37E-05	3.25E-14	2.89E-29	0.	0.	0.	0.	0.	0.
IN117	6.23E-10	1.92E-02	2.28E-05	2.20E-14	1.95E-29	0.	0.	0.	0.	0.	0.
SN121	6.57E-03	3.75E-01	2.02E-01	3.19E-02	1.46E-03	3.09E-06	6.50E-09	2.90E-14	1.21E-27	0.	0.
SN123	3.01E-05	3.15E-03	3.12E-03	3.07E-03	2.98E-03	2.82E-03	2.67E-03	2.39E-03	1.81E-03	1.04E-03	5.99E-04
SN125	6.80E-02	6.32E-02	5.88E-02	4.70E-02	3.25E-02	1.56E-02	7.44E-03	1.70E-03	4.26E-05	2.68E-08	1.68E-11
SB125	4.08E-04	4.53E-04	4.95E-04	6.05E-04	7.42E-04	8.98E-04	9.68E-04	1.01E-03	9.89E-04	9.23E-04	8.61E-04
SB126	8.22E-03	7.78E-03	7.36E-03	6.23E-03	4.72E-03	2.70E-03	1.56E-03	5.14E-04	3.21E-05	1.56E-07	3.13E-08

BRAVO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.81E+00	2.47E-03	8.96E-07	4.28E-17	2.68E-34	0.	0.	0.	0.	0.	0.
SB127	7.94E-02	3.26E-01	2.73E-01	1.59E-01	6.53E-02	1.09E-02	1.82E-03	5.10E-05	6.65E-09	1.13E-16	1.93E-24
TE127M	6.43E-10	4.98E-04	9.11E-04	1.77E-03	2.44E-03	2.70E-03	2.60E-03	2.30E-03	1.68E-03	8.87E-04	4.69E-04
TE127	4.49E-02	2.34E-01	2.29E-01	1.40E-01	5.90E-02	1.21E-02	4.15E-03	2.32E-03	1.66E-03	8.77E-04	4.64E-04
SB128	1.49E+00	2.53E-01	4.00E-02	1.56E-04	1.52E-08	1.42E-16	1.34E-24	1.18E-40	0.	0.	0.
SB129	6.83E+00	3.50E-01	7.30E-03	6.65E-08	2.64E-16	4.17E-33	6.58E-50	0.	0.	0.	0.
TE129M	1.29E-07	1.36E-02	1.36E-02	1.28E-02	1.16E-02	9.45E-03	7.68E-03	5.12E-03	1.84E-03	2.40E-04	3.13E-05
TE129	4.92E+00	4.10E-01	1.71E-02	8.22E-03	7.41E-03	6.05E-03	4.93E-03	3.28E-03	1.18E-03	1.54E-04	2.01E-05
I130	3.14E-02	8.20E-03	2.14E-03	3.83E-05	4.68E-08	6.98E-14	1.04E-19	2.32E-31	0.	0.	0.
TE131M	1.22E-04	4.26E-01	2.45E-01	4.63E-02	2.90E-03	1.13E-05	4.42E-08	6.75E-13	6.13E-25	0.	0.
TE131	1.12E+02	7.77E-02	4.46E-02	8.47E-03	5.29E-04	2.07E-06	8.06E-09	1.23E-13	1.12E-25	0.	0.
I131	1.63E-02	8.80E-01	8.31E-01	6.68E-01	4.40E-01	1.86E-01	7.86E-02	1.40E-02	1.90E-04	3.45E-08	6.29E-12
XE131M	4.42E-11	4.08E-04	7.74E-04	1.61E-03	2.31E-03	2.28E-03	1.69E-03	7.00E-04	4.66E-05	1.40E-07	3.94E-10
TE132	1.32E+00	2.61E+00	2.11E+00	1.11E+00	3.83E-01	4.54E-02	5.38E-03	7.55E-05	1.77E-09	9.67E-19	5.27E-28
I132	3.24E+00	2.69E+00	2.17E+00	1.14E+00	3.95E-01	4.68E-02	5.54E-03	7.78E-05	1.82E-09	9.91E-19	5.43E-28
I133	1.34E+00	7.46E+00	3.36E+00	3.12E-01	5.95E-03	2.16E-06	7.83E-10	1.03E-16	6.48E-34	0.	0.
XE133M	5.70E-08	7.04E-02	8.34E-02	4.89E-02	1.15E-02	5.39E-04	2.51E-05	5.44E-08	1.19E-14	5.70E-28	2.73E-41
XE133	9.95E-07	1.35E+00	1.81E+00	1.62E+00	8.85E-01	2.39E-01	6.43E-02	4.63E-03	6.45E-06	1.25E-11	2.43E-17
I135	2.24E+01	3.65E+00	3.05E-01	1.78E-04	7.21E-10	1.19E-20	1.96E-31	5.32E-53	0.	0.	0.
XE135M	2.48E-03	1.14E+00	9.52E-02	5.54E-05	2.25E-10	3.71E-21	6.11E-32	1.66E-53	0.	0.	0.
XE135	2.58E+00	9.85E+00	2.41E+00	1.38E-02	1.69E-06	2.37E-14	3.32E-22	6.56E-38	0.	0.	0.
CS136	2.48E-03	2.35E-03	2.23E-03	1.90E-03	1.46E-03	8.55E-04	5.03E-04	1.73E-04	1.20E-05	5.78E-08	2.80E-10
CS137	1.03E-04	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.10E-03	1.09E-03	1.09E-03
BA137M	2.16E-07	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.02E-03	1.01E-03
BA139	1.27E+01	1.35E-03	7.99E-09	1.64E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.16E-01	6.87E-01	6.53E-01	5.54E-01	4.23E-01	2.46E-01	1.43E-01	4.85E-02	3.23E-03	1.44E-05	6.37E-08
LA140	2.76E-07	2.39E-01	3.85E-01	5.32E-01	4.73E-01	2.83E-01	1.64E-01	5.59E-02	3.72E-03	1.66E-05	7.37E-08
LA141	1.01E+00	4.02E-01	5.64E-03	1.56E-08	8.53E-18	2.55E-36	7.59E-55	0.	0.	0.	0.
CE141	1.25E-07	1.39E-01	1.38E-01	1.29E-01	1.16E-01	9.39E-02	7.57E-02	4.93E-02	1.69E-02	1.99E-03	2.35E-04
LA142	1.66E+00	3.64E-04	7.04E-09	5.18E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.08E-02	4.46E-01	2.69E-01	5.94E-02	4.77E-03	3.09E-05	2.00E-07	8.37E-12	9.45E-23	0.	0.
PR143	3.17E-09	2.85E-02	4.44E-02	5.73E-02	4.91E-02	2.99E-02	1.81E-02	6.53E-03	5.23E-04	3.32E-06	2.11E-08
CE144	4.89E-04	3.50E-03	3.48E-03	3.46E-03	3.42E-03	3.34E-03	3.25E-03	3.10E-03	2.74E-03	2.15E-03	1.69E-03
PR144	1.34E-07	3.50E-03	3.48E-03	3.46E-03	3.42E-03	3.34E-03	3.25E-03	3.10E-03	2.74E-03	2.15E-03	1.69E-03
PR145	1.99E-02	2.04E-01	1.26E-02	2.99E-06	2.73E-12	2.26E-24	1.87E-36	0.	0.	0.	0.
ND147	2.73E-06	4.59E-02	4.31E-02	3.58E-02	2.62E-02	1.40E-02	7.50E-03	2.16E-03	9.45E-05	1.84E-07	3.57E-10
PM147	7.57E-15	3.43E-05	6.64E-05	1.52E-04	2.62E-04	4.00E-04	4.73E-04	5.27E-04	5.32E-04	4.96E-04	4.61E-04
ND149	4.79E+00	4.64E-04	4.49E-08	4.09E-20	3.50E-40	0.	0.	0.	0.	0.	0.
PM149	6.68E-04	1.23E-01	9.02E-02	3.52E-02	7.36E-03	3.21E-04	1.40E-05	2.65E-08	4.19E-15	1.03E-28	2.57E-42
PM150	5.41E-02	1.14E-04	2.40E-07	2.26E-15	9.44E-29	0.	0.	0.	0.	0.	0.

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.33E-02	9.07E-02	5.00E-02	8.42E-03	4.32E-04	1.13E-06	2.99E-09	2.06E-14	2.59E-27	0.	0.
SM153	4.77E-02	3.35E-02	2.35E-02	8.13E-03	1.38E-03	4.02E-05	1.17E-06	9.81E-10	2.02E-17	8.62E-33	3.66E-48
SM156	4.19E-02	7.14E-03	1.22E-03	6.00E-06	8.64E-10	1.78E-17	3.67E-25	1.56E-40	0.	0.	0.
EU155	1.60E-06	5.41E-05	5.40E-05	5.40E-05	5.39E-05	5.37E-05	5.34E-05	5.30E-05	5.20E-05	4.99E-05	4.80E-05
EU156	1.22E-04	9.96E-04	1.10E-03	9.90E-04	7.86E-04	4.94E-04	3.11E-04	1.24E-04	1.22E-05	1.21E-07	1.19E-09
EU157	4.79E-03	5.54E-03	1.86E-03	6.99E-05	2.93E-07	5.17E-12	9.16E-17	2.85E-26	0.	0.	0.
GD159	9.01E-04	1.77E-03	7.06E-04	4.40E-05	4.33E-07	4.20E-11	4.07E-15	3.82E-23	3.26E-43	0.	0.
TB161	1.63E-05	1.07E-04	9.62E-05	7.12E-05	4.31E-05	1.58E-05	5.77E-06	7.73E-07	5.12E-09	2.21E-13	9.62E-18
TOTAL	3.27E+02	6.38E+01	2.89E+01	1.09E+01	5.02E+00	2.07E+00	1.25E+00	6.71E-01	2.72E-01	8.50E-02	4.13E-02

1 BRAVO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.07E-06	2.65E-08	2.46E-09	2.29E-10	1.84E-13	1.47E-16	1.10E-20	7.07E-27	0.	0.	0.
MN 54	4.51E-06	1.95E-06	1.28E-06	8.43E-07	2.41E-07	6.87E-08	1.29E-08	1.06E-09	2.48E-13	8.99E-19	3.25E-24
FE 59	1.45E-04	5.23E-07	3.14E-08	1.89E-09	4.10E-13	8.85E-17	1.15E-21	5.40E-29	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W181	1.32E-04	1.63E-05	5.75E-06	2.01E-06	8.72E-07	3.78E-09	5.75E-11	1.08E-13	8.85E-23	0.	0.
W185	2.10E-02	7.22E-04	1.34E-04	2.48E-05	1.58E-07	1.01E-09	1.18E-12	4.81E-17	0.	0.	0.
W188	1.55E-04	4.03E-06	6.54E-07	1.05E-07	4.43E-10	1.86E-12	1.26E-15	2.22E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.42E-01	1.10E-09	1.07E-09	1.05E-09	9.78E-10	9.08E-10	8.26E-10	7.16E-10	4.46E-10	2.19E-10	1.07E-10
AM241	3.59E-12	3.59E-12	3.59E-12	3.59E-12	3.60E-12	3.62E-12	3.62E-12	3.64E-12	3.66E-12	3.62E-12	3.57E-12
CM242	7.14E-09	1.51E-09	6.95E-10	3.20E-10	3.12E-11	3.04E-12	1.36E-13	1.29E-15	3.70E-20	3.45E-20	3.22E-20
KR 85	5.75E-06	1.43E-04	1.38E-04	1.34E-04	1.22E-04	1.10E-04	9.69E-05	7.99E-05	4.22E-05	1.61E-05	6.16E-06
SR 89	4.03E-06	9.42E-04	8.24E-05	7.24E-06	4.87E-09	3.29E-12	1.94E-16	8.83E-23	6.41E-44	0.	0.
SR 90	7.59E-06	7.59E-04	7.52E-04	7.45E-04	7.17E-04	6.90E-04	6.57E-04	6.10E-04	4.77E-04	3.29E-04	2.28E-04
Y 90	1.12E-11	7.59E-04	7.52E-04	7.45E-04	7.17E-04	6.90E-04	6.57E-04	6.10E-04	4.77E-04	3.29E-04	2.28E-04
Y 91	2.23E-08	1.51E-03	1.75E-04	2.03E-05	3.19E-08	5.00E-11	9.15E-15	2.25E-20	4.54E-39	0.	0.
ZR 95	1.48E-04	3.80E-04	5.42E-05	7.71E-06	2.25E-08	6.55E-11	2.71E-14	2.29E-19	2.80E-36	0.	0.
NB 95M	3.14E-12	8.04E-06	1.15E-06	1.64E-07	4.76E-10	1.39E-12	5.74E-16	4.85E-21	5.94E-38	0.	0.
NB 95	1.65E-11	8.17E-04	1.17E-04	1.67E-05	4.85E-08	1.41E-10	5.87E-14	4.96E-19	6.07E-36	0.	0.
RU103	1.38E-04	5.36E-04	2.19E-05	9.02E-07	6.16E-11	4.22E-15	1.19E-20	5.57E-29	0.	0.	0.
RH103M	9.20E-09	5.37E-04	2.19E-05	9.02E-07	6.17E-11	4.23E-15	1.19E-20	5.58E-29	0.	0.	0.
RU106	8.47E-04	8.05E-03	5.70E-03	4.04E-03	1.44E-03	5.10E-04	1.28E-04	1.62E-05	1.64E-08	5.27E-13	1.69E-17
RH106	9.17E-06	8.05E-03	5.70E-03	4.04E-03	1.44E-03	5.10E-04	1.28E-04	1.62E-05	1.64E-08	5.27E-13	1.69E-17
SN123	3.01E-05	4.17E-04	1.51E-04	5.50E-05	2.64E-06	1.26E-07	2.20E-09	5.08E-12	8.15E-21	5.25E-34	3.37E-47
SB125	4.08E-04	8.22E-04	7.23E-04	6.36E-04	4.33E-04	2.95E-04	1.76E-04	8.15E-05	6.27E-06	1.33E-07	2.84E-09
TE125M	1.10E-11	3.36E-04	2.98E-04	2.63E-04	1.79E-04	1.22E-04	7.30E-05	3.37E-05	2.59E-06	5.52E-08	1.18E-09
TE127M	6.43E-10	3.08E-04	9.63E-05	3.01E-05	9.27E-07	2.85E-08	2.74E-10	2.58E-13	2.12E-23	1.58E-38	1.18E-53
TE127	4.49E-02	3.04E-04	9.52E-05	2.98E-05	9.16E-07	2.82E-08	2.71E-10	2.55E-13	2.10E-23	1.56E-38	1.17E-53
CS137	1.03E-04	1.08E-03	1.07E-03	1.06E-03	1.02E-03	9.83E-04	9.40E-04	8.79E-04	6.94E-04	4.93E-04	3.48E-04
BA137M	2.16E-07	1.01E-03	1.00E-03	9.89E-04	9.52E-04	9.22E-04	8.79E-04	8.23E-04	6.51E-04	4.61E-04	3.26E-04
CE141	1.25E-07	5.40E-05	1.09E-06	2.18E-08	1.78E-13	1.45E-18	2.37E-25	1.57E-35	0.	0.	0.
CE144	4.89E-04	1.44E-03	9.24E-04	5.89E-04	1.55E-04	4.07E-05	6.84E-06	4.72E-07	6.35E-11	9.97E-17	1.55E-22
PR144	1.34E-07	1.44E-03	9.24E-04	5.89E-04	1.55E-04	4.07E-05	6.84E-06	4.72E-07	6.35E-11	9.97E-17	1.55E-22
PM147	7.57E-15	4.40E-04	3.85E-04	3.37E-04	2.27E-04	1.53E-04	8.96E-05	4.07E-05	2.89E-06	5.47E-08	1.03E-09
EU155	1.60E-06	4.68E-05	4.34E-05	4.04E-05	3.25E-05	2.61E-05	1.95E-05	1.26E-05	2.94E-06	3.31E-07	3.73E-08
TOTAL	5.11E-01	3.09E-02	1.94E-02	1.44E-02	7.59E-03	5.09E-03	3.86E-03	3.20E-03	2.36E-03	1.63E-03	1.14E-03

Appendix C
Detailed Results for Event Romeo

1

ROMEO
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

PAGE 2

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	8.72E+01	1.37E+04
1.00E+00		2.50E+01	2.72E+03
2.00E+00		9.92E+00	9.38E+02
3.00E+00		5.51E+00	5.60E+02
4.00E+00		3.62E+00	4.33E+02
6.00E+00		2.07E+00	3.27E+02
9.00E+00		1.32E+00	2.53E+02
1.20E+01		1.00E+00	2.08E+02
1.50E+01		8.12E-01	1.77E+02
1.80E+01		6.83E-01	1.53E+02
2.10E+01		5.87E-01	1.35E+02
1.00E+00	DAYS	5.07E-01	1.19E+02
2.00E+00		2.36E-01	5.80E+01
5.00E+00		7.97E-02	1.87E+01
1.00E+01		3.24E-02	6.39E+00
2.00E+01		1.18E-02	1.90E+00
3.00E+01		6.78E-03	1.07E+00
5.00E+01		3.26E-03	5.60E-01
1.00E+02		1.26E-03	2.47E-01
2.00E+02		4.51E-04	9.46E-02
3.00E+02		1.75E-04	4.97E-02
1.00E+00	YEARS	1.01E-04	3.54E-02
1.50E+00		3.07E-05	2.03E-02
2.00E+00		1.74E-05	1.41E-02
3.50E+00		9.20E-06	6.26E-03
5.00E+00		6.59E-06	3.66E-03
7.00E+00		5.22E-06	2.44E-03
1.00E+01		4.37E-06	1.82E-03
2.00E+01		3.21E-06	1.19E-03
3.50E+01		2.26E-06	8.04E-04
5.00E+01		1.59E-06	5.60E-04

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	2.34E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.32E-05	2.32E-05	2.31E-05	2.31E-05
NA 24	2.31E-01	2.21E-01	2.11E-01	2.01E-01	1.92E-01	1.75E-01	1.53E-01	1.33E-01	1.16E-01	1.01E-01	8.74E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03
FE 59	9.28E-04	9.26E-04	9.26E-04	9.26E-04	9.26E-04	9.25E-04	9.24E-04	9.22E-04	9.19E-04	9.18E-04	9.17E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.90E-01	3.69E-01	3.50E-01	3.32E-01	3.14E-01	2.82E-01	2.39E-01	2.03E-01	1.73E-01	1.47E-01	1.25E-01
CU 67	1.06E-03	1.05E-03	1.03E-03	1.02E-03	1.01E-03	9.86E-04	9.50E-04	9.23E-04	8.94E-04	8.60E-04	8.35E-04
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	1.45E-02	1.41E-02	1.37E-02	1.33E-02	1.30E-02	1.22E-02	1.12E-02	1.03E-02	9.39E-03	8.66E-03	7.90E-03
W188	5.50E-05	5.50E-05	5.50E-05	5.49E-05	5.49E-05	5.49E-05	5.47E-05	5.47E-05	5.46E-05	5.46E-05	5.45E-05
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	3.53E-04	3.48E-04	3.43E-04	3.38E-04	3.33E-04	3.26E-04	3.13E-04	3.01E-04	2.89E-04	2.76E-04	2.67E-04
U237	2.14E+00	2.13E+00	2.13E+00	2.12E+00	2.11E+00	2.09E+00	2.06E+00	2.04E+00	2.01E+00	1.98E+00	1.96E+00
U239	6.25E+03	1.07E+03	1.82E+02	3.10E+01	5.26E+00	1.53E-01	7.59E-04	3.75E-06	1.85E-08	9.17E-11	4.54E-13
U240	6.06E+01	5.77E+01	5.49E+01	5.23E+01	4.98E+01	4.51E+01	3.89E+01	3.35E+01	2.90E+01	2.50E+01	2.15E+01
NP239	2.14E-02	3.58E+01	4.14E+01	4.21E+01	4.17E+01	4.08E+01	3.91E+01	3.78E+01	3.65E+01	3.52E+01	3.39E+01
NP240M	9.58E-02	5.79E+01	5.54E+01	5.28E+01	5.03E+01	4.54E+01	3.93E+01	3.39E+01	2.92E+01	2.52E+01	2.17E+01
NP240	2.43E-09	1.25E-09	6.48E-10	3.34E-10	1.73E-10	4.62E-11	6.38E-12	8.80E-13	1.21E-13	1.67E-14	2.31E-15
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12
CM242	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.50E-08	1.50E-08	1.50E-08	1.50E-08	1.50E-08
GE 75	3.05E-05	1.48E-01	8.90E-02	5.36E-02	3.22E-02	1.17E-02	2.55E-03	5.59E-04	1.22E-04	2.66E-05	5.82E-06
GE 77	9.78E-03	2.52E-02	2.37E-02	2.23E-02	2.10E-02	1.85E-02	1.54E-02	1.28E-02	1.07E-02	8.87E-03	7.39E-03
AS 77	1.01E-04	1.60E-02	1.62E-02	1.63E-02	1.64E-02	1.65E-02	1.65E-02	1.64E-02	1.61E-02	1.58E-02	1.54E-02
SE 77M	3.98E-09	4.78E-05	4.85E-05	4.89E-05	4.89E-05	4.93E-05	4.96E-05	4.93E-05	4.85E-05	4.75E-05	4.60E-05
GE 78	1.04E+00	6.52E-01	4.06E-01	2.54E-01	1.58E-01	6.16E-02	1.50E-02	3.62E-03	8.84E-04	2.15E-04	5.21E-05
AS 78	1.88E-02	3.11E-01	3.84E-01	3.60E-01	3.01E-01	1.77E-01	6.59E-02	2.19E-02	6.77E-03	2.02E-03	5.87E-04
AS 79	1.65E+01	1.63E-01	1.60E-03	1.58E-05	1.56E-07	1.51E-11	1.44E-17	1.37E-23	1.31E-29	1.25E-35	1.19E-41
SE 79M	2.45E-02	2.87E-01	2.84E-03	2.79E-05	2.75E-07	2.66E-11	2.54E-17	2.42E-23	2.31E-29	2.20E-35	2.10E-41
BR 80	8.93E-02	8.43E-03	7.92E-04	7.45E-05	7.02E-06	6.22E-08	5.21E-11	4.34E-14	3.62E-17	3.02E-20	2.52E-23
SE 81M	6.92E-02	3.23E+00	1.56E+00	7.49E-01	3.60E-01	8.42E-02	9.42E-03	1.06E-03	1.18E-04	1.33E-05	1.49E-06
SE 81	8.45E-01	3.82E+00	2.21E+00	1.10E+00	5.35E-01	1.25E-01	1.40E-02	1.57E-03	1.75E-04	1.97E-05	2.20E-06
BR 82	3.64E-04	3.57E-04	3.50E-04	3.43E-04	3.36E-04	3.24E-04	3.05E-04	2.88E-04	2.71E-04	2.56E-04	2.41E-04
SE 83	3.35E+01	6.35E+00	1.20E+00	2.28E-01	4.31E-02	1.55E-03	1.06E-05	7.18E-08	4.90E-10	3.32E-12	2.11E-14
BR 83	2.79E-01	4.16E+00	3.85E+00	3.03E+00	2.30E+00	1.30E+00	5.49E-01	2.31E-01	9.77E-02	4.12E-02	1.74E-02
KR 83M	1.44E-05	9.41E-01	1.92E+00	2.39E+00	2.46E+00	2.06E+00	1.21E+00	6.24E-01	3.00E-01	1.39E-01	6.24E-02

ROMEO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	6.44E-02	1.11E+01	3.00E+00	8.13E-01	2.19E-01	1.61E-02	3.17E-04	6.27E-06	1.24E-07	2.45E-09	4.84E-11
KR 85M	2.73E-03	5.86E+00	4.99E+00	4.26E+00	3.64E+00	2.66E+00	1.66E+00	1.03E+00	6.45E-01	4.01E-01	2.50E-01
KR 87	3.50E+01	2.02E+01	1.17E+01	6.76E+00	3.90E+00	1.31E+00	2.54E-01	4.92E-02	9.53E-03	1.84E-03	3.57E-04
KR 88	2.09E+01	1.63E+01	1.27E+01	9.92E+00	7.75E+00	4.71E+00	2.25E+00	1.07E+00	5.08E-01	2.42E-01	1.15E-01
RB 88	5.30E+00	1.65E+01	1.41E+01	1.11E+01	8.66E+00	5.27E+00	2.52E+00	1.20E+00	5.71E-01	2.72E-01	1.29E-01
RB 89	2.59E+01	2.43E+01	1.63E+00	1.10E-01	7.36E-03	3.33E-05	1.01E-08	3.04E-12	9.27E-16	2.81E-19	8.52E-23
SR 89	1.98E-06	6.96E-02	7.42E-02	7.42E-02	7.42E-02	7.42E-02	7.42E-02	7.39E-02	7.39E-02	7.36E-02	7.36E-02
SR 90	3.74E-06	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04
SR 91	5.14E-01	9.56E+00	8.92E+00	8.30E+00	7.72E+00	6.69E+00	5.40E+00	4.36E+00	3.52E+00	2.83E+00	2.28E+00
Y 91M	3.46E-05	3.30E+00	4.49E+00	4.81E+00	4.75E+00	4.27E+00	3.49E+00	2.81E+00	2.27E+00	1.83E+00	1.47E+00
Y 91	1.42E-08	2.93E-03	6.75E-03	1.08E-02	1.47E-02	2.21E-02	3.13E-02	3.88E-02	4.49E-02	4.98E-02	5.36E-02
SR 92	6.82E+00	3.05E+01	2.36E+01	1.83E+01	1.42E+01	8.47E+00	3.94E+00	1.83E+00	8.47E-01	3.94E-01	1.83E-01
Y 92	3.15E-01	6.41E+00	1.01E+01	1.20E+01	1.27E+01	1.21E+01	9.27E+00	6.32E+00	4.06E+00	2.50E+00	1.51E+00
SR 93	2.95E+02	5.07E+00	2.80E-02	1.55E-04	8.54E-07	2.61E-11	4.40E-18	7.43E-25	1.25E-31	2.11E-38	3.56E-45
Y 93	3.60E-01	1.16E+01	1.09E+01	1.02E+01	9.54E+00	8.33E+00	6.79E+00	5.54E+00	4.50E+00	3.70E+00	3.00E+00
Y 94	4.43E+01	6.05E+01	7.79E+00	1.00E+00	1.30E-01	2.15E-03	4.61E-06	9.89E-09	2.11E-11	4.61E-14	2.56E-15
Y 95	1.94E+02	1.83E+01	4.02E-01	8.87E-03	1.95E-04	9.48E-08	1.02E-12	1.09E-17	1.16E-22	1.24E-27	1.32E-32
ZR 95	7.28E-04	9.51E-02	9.70E-02	9.70E-02	9.70E-02	9.70E-02	9.70E-02	9.67E-02	9.67E-02	9.64E-02	9.64E-02
NB 95	8.11E-11	5.87E-05	1.37E-04	2.15E-04	2.94E-04	4.50E-04	6.83E-04	9.19E-04	1.15E-03	1.38E-03	1.61E-03
ZR 97	1.92E+00	8.37E+00	8.01E+00	7.71E+00	7.38E+00	6.82E+00	6.02E+00	5.33E+00	4.73E+00	4.17E+00	3.71E+00
NB 97M	9.89E-03	8.04E+00	7.71E+00	7.41E+00	7.11E+00	6.55E+00	5.79E+00	5.13E+00	4.53E+00	4.00E+00	3.54E+00
NB 97	9.63E-01	4.20E+00	5.92E+00	6.75E+00	7.08E+00	7.05E+00	6.42E+00	5.72E+00	5.06E+00	4.47E+00	3.97E+00
NB 98	1.10E+01	4.85E+00	2.15E+00	9.49E-01	4.21E-01	8.23E-02	7.12E-03	6.15E-04	5.36E-05	4.64E-06	3.99E-07
MO 99	5.84E-03	2.41E+00	2.39E+00	2.36E+00	2.34E+00	2.29E+00	2.22E+00	2.15E+00	2.09E+00	2.02E+00	1.96E+00
TC 99M	5.43E-08	2.30E-01	4.32E-01	6.10E-01	7.67E-01	1.02E+00	1.30E+00	1.47E+00	1.58E+00	1.64E+00	1.67E+00
MO101	9.18E+01	4.14E+01	2.41E+00	1.39E-01	8.10E-03	2.71E-05	5.27E-09	1.03E-12	1.99E-16	3.87E-20	7.55E-24
TC101	3.87E+00	1.16E+02	1.27E+01	1.04E+00	7.59E-02	3.42E-04	8.56E-08	1.92E-11	4.07E-15	8.37E-19	1.69E-22
MO102	8.53E+02	1.94E+01	4.43E-01	1.01E-02	2.31E-04	1.20E-07	1.42E-12	1.69E-17	2.00E-22	2.37E-27	2.82E-32
TC102M	5.48E-01	1.64E+01	3.77E-01	8.61E-03	1.96E-04	1.01E-07	1.21E-12	1.43E-17	1.69E-22	2.01E-27	2.39E-32
TC102	2.57E+03	9.78E+00	2.23E-01	5.07E-03	1.16E-04	6.05E-08	7.19E-13	8.53E-18	1.01E-22	1.20E-27	1.42E-32
RU103	6.80E-05	1.58E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.55E-01
RH103M	4.53E-09	8.15E-02	1.21E-01	1.40E-01	1.49E-01	1.55E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
TC104	5.44E+01	3.91E+01	3.91E+00	3.87E-01	3.83E-02	3.77E-04	3.68E-07	3.60E-10	3.51E-13	3.43E-16	3.35E-19
RU105	4.43E-01	1.53E+01	1.31E+01	1.12E+01	9.61E+00	7.02E+00	4.40E+00	2.75E+00	1.72E+00	1.08E+00	6.76E-01
RH105M	2.92E-03	1.54E+01	1.31E+01	1.13E+01	9.61E+00	7.06E+00	4.40E+00	2.76E+00	1.73E+00	1.08E+00	6.76E-01
RH105	4.79E-09	3.12E-01	5.79E-01	7.99E-01	9.84E-01	1.26E+00	1.50E+00	1.62E+00	1.65E+00	1.63E+00	1.59E+00
RU106	4.17E-04	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03
RH106	4.51E-06	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03
RH107	1.22E-01	1.66E+01	2.51E+00	3.78E-01	5.70E-02	1.30E-03	4.48E-06	1.54E-08	5.32E-11	1.82-146	1.81E-17
PD107M	2.53E-04	3.37E+00	5.09E-01	7.69E-02	1.16E-02	2.65E-04	9.12E-07	3.14E-09	1.08E-11	3.73E-14	1.27E-16

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	1.38E-02	1.15E+00	1.09E+00	1.03E+00	9.81E-01	8.85E-01	7.61E-01	6.52E-01	5.59E-01	4.79E-01	4.11E-01
AG109M	7.97E-05	1.15E+00	1.09E+00	1.04E+00	9.83E-01	8.88E-01	7.61E-01	6.52E-01	5.59E-01	4.79E-01	4.11E-01
PD111M	1.65E+00	1.46E+00	1.28E+00	1.14E+00	1.00E+00	7.78E-01	5.32E-01	3.65E-01	2.50E-01	1.71E-01	1.17E-01
PD111	5.89E-01	1.06E+00	1.02E+00	9.07E-01	8.03E-01	6.23E-01	4.28E-01	2.93E-01	2.01E-01	1.38E-01	9.44E-02
AG111M	4.68E-03	1.43E+00	1.35E+00	1.20E+00	1.06E+00	8.21E-01	5.61E-01	3.85E-01	2.64E-01	1.81E-01	1.23E-01
AG111	1.67E-09	4.94E-03	1.04E-02	1.52E-02	1.96E-02	2.67E-02	3.43E-02	3.93E-02	4.25E-02	4.46E-02	4.58E-02
PD112	4.95E-01	4.80E-01	4.64E-01	4.48E-01	4.35E-01	4.06E-01	3.68E-01	3.34E-01	3.02E-01	2.73E-01	2.48E-01
AG112	1.49E-05	9.50E-02	1.68E-01	2.25E-01	2.67E-01	3.20E-01	3.52E-01	3.50E-01	3.34E-01	3.11E-01	2.87E-01
AG113	5.99E-03	1.28E+00	1.12E+00	9.87E-01	8.65E-01	6.66E-01	4.51E-01	3.04E-01	2.05E-01	1.39E-01	9.38E-02
AG115	2.21E+00	2.37E+00	2.95E-01	3.69E-02	4.62E-03	7.22E-05	1.41E-07	2.76E-10	5.34E-13	5.31-162	4.92E-16
CD115M	1.81E-08	4.81E-04	5.41E-04	5.48E-04	5.48E-04	5.48E-04	5.46E-04	5.46E-04	5.45E-04	5.43E-04	5.43E-04
CD115	6.99E-06	1.32E-01	1.42E-01	1.41E-01	1.40E-01	1.36E-01	1.31E-01	1.26E-01	1.21E-01	1.17E-01	1.12E-01
IN115M	8.72E-11	1.45E-02	3.23E-02	4.80E-02	6.12E-02	8.15E-02	1.01E-01	1.11E-01	1.16E-01	1.17E-01	1.16E-01
CD117	1.59E-01	2.64E+00	1.99E+00	1.48E+00	1.11E+00	6.24E-01	2.62E-01	1.10E-01	4.65E-02	1.95E-02	8.21E-03
IN117M	7.62E-06	9.18E-01	1.33E+00	1.44E+00	1.39E+00	1.10E+00	6.28E-01	3.21E-01	1.54E-01	7.15E-02	3.23E-02
IN117	3.07E-10	1.67E-01	4.05E-01	5.63E-01	6.28E-01	5.78E-01	3.68E-01	1.97E-01	9.79E-02	4.61E-02	2.12E-02
CD118	1.05E+01	4.50E+00	1.93E+00	8.23E-01	3.52E-01	6.45E-02	5.06E-03	3.95E-04	3.11E-05	2.44E-06	1.91E-07
IN118	6.95E-01	4.50E+00	1.93E+00	8.24E-01	3.52E-01	6.46E-02	5.06E-03	3.97E-04	3.11E-05	2.44E-06	1.91E-07
CD119	2.62E+01	4.08E-01	6.37E-03	9.97E-05	1.56E-06	3.81E-10	1.45E-15	5.55E-21	2.11E-26	8.07E-32	3.09E-37
IN119M	3.95E-02	4.42E+00	4.81E-01	4.85E-02	4.83E-03	4.75E-05	4.63E-08	4.53E-11	4.42E-14	4.32E-17	4.22E-20
IN119	1.95E+00	2.33E-01	2.70E-02	2.74E-03	2.74E-04	2.68E-06	2.62E-09	2.56E-12	2.50E-15	2.44E-18	2.38E-21
SN121	3.24E-03	3.33E-01	3.24E-01	3.16E-01	3.08E-01	2.93E-01	2.70E-01	2.51E-01	2.32E-01	2.15E-01	2.00E-01
SN123M	1.58E+00	2.95E+00	1.05E+00	3.70E-01	1.31E-01	1.63E-02	7.22E-04	3.20E-05	1.41E-06	6.24E-08	2.76E-09
SN123	1.48E-05	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03
SN125	3.35E-02	3.34E-02	3.33E-02	3.32E-02	3.30E-02	3.29E-02	3.26E-02	3.23E-02	3.20E-02	3.16E-02	3.14E-02
SB125	2.01E-04	2.02E-04	2.03E-04	2.04E-04	2.05E-04	2.06E-04	2.10E-04	2.12E-04	2.15E-04	2.18E-04	2.20E-04
SB126	4.05E-03	4.03E-03	4.03E-03	4.02E-03	4.01E-03	3.99E-03	3.96E-03	3.94E-03	3.91E-03	3.88E-03	3.85E-03
SN127	3.35E+00	2.41E+00	1.73E+00	1.25E+00	8.97E-01	4.63E-01	1.72E-01	6.40E-02	2.37E-02	8.81E-03	3.27E-03
SB127	3.91E-02	1.35E-01	1.49E-01	1.59E-01	1.66E-01	1.73E-01	1.76E-01	1.74E-01	1.71E-01	1.68E-01	1.64E-01
TE127	2.21E-02	2.75E-02	3.34E-02	3.97E-02	4.58E-02	5.75E-02	7.36E-02	8.60E-02	9.57E-02	1.03E-01	1.08E-01
SN128	1.74E+01	8.57E+00	4.24E+00	2.10E+00	1.04E+00	2.53E-01	3.05E-02	3.68E-03	4.44E-04	5.39E-05	6.49E-06
SB128M	8.84E-03	9.76E+00	5.07E+00	2.50E+00	1.23E+00	3.02E-01	3.64E-02	4.39E-03	5.30E-04	6.40E-05	7.74E-06
SB128	7.32E-01	7.05E-01	6.63E-01	6.22E-01	5.80E-01	4.97E-01	3.97E-01	3.15E-01	2.50E-01	1.99E-01	1.58E-01
SN129M	8.97E+00	4.46E+00	2.24E+00	1.12E+00	5.60E-01	1.40E-01	1.75E-02	2.19E-03	2.74E-04	3.42E-05	4.28E-06
SN129	5.98E+01	5.86E-01	5.79E-03	5.71E-05	5.60E-07	5.45E-11	5.18E-17	4.96E-23	4.73E-29	4.50E-35	4.31E-41
SB129	3.36E+00	5.64E+00	5.30E+00	4.73E+00	4.16E+00	3.09E+00	1.93E+00	1.19E+00	7.34E-01	4.54E-01	2.79E-01
TE129M	6.36E-08	7.04E-04	1.45E-03	2.13E-03	2.74E-03	3.71E-03	4.69E-03	5.30E-03	5.68E-03	5.90E-03	6.05E-03
TE129	2.42E+00	3.33E+00	3.90E+00	4.05E+00	3.90E+00	3.23E+00	2.15E+00	1.35E+00	8.44E-01	5.22E-01	3.24E-01
SB130M	3.24E-01	6.11E-01	1.60E-03	4.21E-06	1.11E-08	7.65E-14	1.39E-21	2.53E-29	4.60E-37	8.35E-45	1.52E-52
SB130	5.54E+01	1.68E+01	4.77E+00	1.35E+00	3.83E-01	3.08E-02	7.02E-04	1.60E-05	3.65E-07	8.32E-09	1.90E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	1.54E-02	1.46E-02	1.38E-02	1.31E-02	1.24E-02	1.11E-02	9.33E-03	7.90E-03	6.67E-03	5.65E-03	4.77E-03
SB131	1.25E+02	3.26E+01	5.33E+00	8.74E-01	1.43E-01	3.86E-03	1.70E-05	7.51E-08	3.31E-10	1.46E-12	7.27E-15
TE131M	6.00E-05	3.14E-01	3.58E-01	3.58E-01	3.52E-01	3.36E-01	3.14E-01	2.92E-01	2.73E-01	2.55E-01	2.38E-01
TE131	5.52E+01	6.00E+01	1.96E+01	5.09E+00	1.24E+00	1.16E-01	5.76E-02	5.33E-02	4.97E-02	4.65E-02	4.33E-02
I131	8.03E-03	2.78E-01	4.09E-01	4.49E-01	4.57E-01	4.61E-01	4.61E-01	4.57E-01	4.57E-01	4.53E-01	4.53E-01
TE132	6.49E-01	1.58E+00	1.56E+00	1.55E+00	1.53E+00	1.51E+00	1.47E+00	1.43E+00	1.39E+00	1.35E+00	1.32E+00
I132	1.59E+00	1.59E+00	1.59E+00	1.58E+00	1.57E+00	1.55E+00	1.51E+00	1.47E+00	1.43E+00	1.40E+00	1.36E+00
TE133M	7.56E-02	2.62E+01	1.14E+01	4.97E+00	2.16E+00	4.11E-01	3.38E-02	2.79E-03	2.30E-04	1.89E-05	1.56E-06
TE133	4.25E+02	2.41E+01	2.68E+00	8.86E-01	3.75E-01	7.10E-02	5.87E-03	4.83E-04	4.00E-05	3.29E-06	2.71E-07
I133	6.59E-01	7.10E+00	7.67E+00	7.67E+00	7.53E+00	7.13E+00	6.48E+00	5.87E+00	5.29E+00	4.83E+00	4.36E+00
XE133M	2.81E-08	1.60E-03	3.85E-03	6.16E-03	8.39E-03	1.26E-02	1.83E-02	2.32E-02	2.73E-02	3.09E-02	3.38E-02
XE133	4.90E-07	2.79E-02	6.77E-02	1.08E-01	1.48E-01	2.25E-01	3.30E-01	4.21E-01	5.04E-01	5.76E-01	6.41E-01
TE134	1.33E+02	6.15E+01	2.29E+01	8.52E+00	3.16E+00	4.38E-01	2.24E-02	1.15E-03	5.88E-05	3.02E-06	1.55E-07
I134	6.08E+01	8.14E+01	5.70E+01	3.34E+01	1.79E+01	4.55E+00	5.01E-01	5.11E-02	5.01E-03	4.80E-04	4.55E-05
I135	1.10E+01	1.94E+01	1.75E+01	1.58E+01	1.43E+01	1.16E+01	8.49E+00	6.21E+00	4.56E+00	3.36E+00	2.45E+00
XE135M	1.22E-03	5.61E+00	5.45E+00	4.94E+00	4.44E+00	3.61E+00	2.65E+00	1.94E+00	1.43E+00	1.05E+00	7.67E-01
XE135	1.27E+00	2.51E+00	3.68E+00	4.63E+00	5.39E+00	6.46E+00	7.16E+00	7.19E+00	6.84E+00	6.24E+00	5.58E+00
CS136	1.22E-03	1.22E-03	1.22E-03	1.21E-03	1.21E-03	1.20E-03	1.20E-03	1.19E-03	1.18E-03	1.17E-03	1.17E-03
CS137	5.05E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04
BA137M	1.07E-07	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04
XE138	4.26E+02	3.66E+01	3.18E+00	2.76E-01	2.39E-02	1.79E-04	1.16E-07	7.56E-11	4.92E-14	3.19E-17	2.08E-20
CS138	6.34E+01	1.07E+02	3.70E+01	1.09E+01	3.04E+00	2.32E-01	4.82E-03	1.00E-04	2.08E-06	4.32E-08	8.94E-10
CS139	3.38E+02	1.08E+01	1.35E-01	1.70E-03	2.13E-05	3.35E-09	6.66E-15	1.32E-20	2.61E-26	5.17E-32	1.02E-37
BA139	6.24E+00	6.95E+01	4.29E+01	2.61E+01	1.58E+01	5.78E+00	1.28E+00	2.85E-01	6.34E-02	1.40E-02	3.12E-03
BA140	7.85E-02	4.89E-01	4.89E-01	4.86E-01	4.86E-01	4.82E-01	4.82E-01	4.78E-01	4.74E-01	4.71E-01	4.67E-01
LA140	1.86E-07	8.37E-03	1.66E-02	2.46E-02	3.25E-02	4.78E-02	6.99E-02	9.04E-02	1.10E-01	1.28E-01	1.45E-01
BA141	1.36E+02	4.11E+01	4.08E+00	4.05E-01	4.01E-02	3.98E-04	3.88E-07	3.79E-10	3.69E-13	3.63E-16	3.53E-19
LA141	1.26E+00	2.66E+01	2.48E+01	2.10E+01	1.76E+01	1.24E+01	7.25E+00	4.24E+00	2.50E+00	1.46E+00	8.58E-01
CE141	1.55E-07	1.73E-02	4.05E-02	6.09E-02	7.80E-02	1.05E-01	1.30E-01	1.44E-01	1.53E-01	1.58E-01	1.60E-01
BA142	3.56E+02	1.41E+01	3.23E-01	7.36E-03	1.68E-04	8.72E-08	1.03E-12	1.23E-17	1.46E-22	1.73E-27	2.05E-32
LA142	8.17E+00	5.67E+01	3.74E+01	2.38E+01	1.51E+01	6.12E+00	1.58E+00	4.07E-01	1.05E-01	2.70E-02	6.97E-03
LA143	1.34E+02	2.61E+01	1.34E+00	6.87E-02	3.53E-03	9.24E-06	1.25E-09	1.68E-13	2.26E-17	3.05E-21	4.12E-25
CE143	5.34E-02	3.40E+00	3.53E+00	3.43E+00	3.37E+00	3.25E+00	3.04E+00	2.86E+00	2.68E+00	2.52E+00	2.36E+00
PR143	1.56E-08	5.21E-03	1.26E-02	1.99E-02	2.70E-02	4.09E-02	6.03E-02	7.87E-02	9.56E-02	1.11E-01	1.26E-01
CE144	2.41E-03	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.72E-02	1.72E-02	1.72E-02	1.72E-02	1.72E-02
PR144	6.61E-07	1.57E-02	1.71E-02	1.72E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.72E-02	1.72E-02	1.72E-02
PR145	9.82E-02	1.44E+01	1.28E+01	1.14E+01	1.02E+01	8.07E+00	5.69E+00	4.02E+00	2.84E+00	2.01E+00	1.42E+00
CE146	3.19E+02	1.64E+01	8.40E-01	4.29E-02	2.21E-03	5.82E-06	7.84E-10	1.06E-13	1.42E-17	1.92E-21	2.59E-25
PR146	6.61E+00	5.75E+01	1.30E+01	2.45E+00	4.40E-01	1.38E-02	7.65E-05	4.22E-07	2.34E-09	1.29E-11	7.05E-14
PR147	3.77E+01	1.09E+01	3.40E-01	1.06E-02	3.32E-04	3.24E-07	9.90E-12	3.03E-16	9.22E-21	2.82E-25	8.59E-30

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	1.34E-05	2.53E-01	2.60E-01	2.60E-01	2.59E-01	2.58E-01	2.56E-01	2.54E-01	2.52E-01	2.50E-01	2.48E-01
ND149	2.36E+01	1.61E+01	1.09E+01	7.45E+00	5.04E+00	2.34E+00	7.36E-01	2.32E-01	7.32E-02	2.30E-02	7.27E-03
PM149	3.29E-03	2.57E-01	4.26E-01	5.40E-01	6.11E-01	6.87E-01	7.14E-01	7.00E-01	6.83E-01	6.56E-01	6.33E-01
PM150	2.66E-01	2.06E-01	1.59E-01	1.23E-01	9.51E-02	5.71E-02	2.64E-02	1.22E-02	5.67E-03	2.62E-03	1.21E-03
ND151	1.03E+02	3.23E+00	1.01E-01	3.16E-03	9.88E-05	9.64E-08	2.94E-12	9.00E-17	2.74E-21	8.35E-26	2.56E-30
PM151	6.55E-02	7.66E-01	7.71E-01	7.52E-01	7.34E-01	6.97E-01	6.46E-01	6.00E-01	5.58E-01	5.17E-01	4.80E-01
PM152	1.62E+02	1.59E-01	1.55E-04	1.51E-07	1.48E-10	1.41E-16	1.31E-25	1.22E-34	1.14E-43	1.07E-52	9.90E-62
SM153	2.35E-01	2.31E-01	2.28E-01	2.25E-01	2.22E-01	2.15E-01	2.06E-01	1.97E-01	1.88E-01	1.80E-01	1.73E-01
SM155	1.07E+01	1.76E+00	2.88E-01	4.71E-02	7.72E-03	2.08E-04	9.17E-07	4.04E-09	1.78E-11	7.93E-14	1.95E-16
EU155	7.86E-06	2.24E-04	2.60E-04	2.65E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04
SM156	2.06E-01	1.91E-01	1.78E-01	1.65E-01	1.53E-01	1.32E-01	1.06E-01	8.51E-02	6.82E-02	5.47E-02	4.37E-02
EU156	6.03E-04	9.84E-04	1.34E-03	1.66E-03	1.97E-03	2.51E-03	3.19E-03	3.69E-03	4.14E-03	4.46E-03	4.70E-03
EU157	2.36E-02	7.82E-02	7.47E-02	7.14E-02	6.80E-02	6.22E-02	5.43E-02	4.74E-02	4.13E-02	3.59E-02	3.13E-02
EU158	7.45E-01	3.02E-01	1.22E-01	4.94E-02	2.00E-02	3.27E-03	2.18E-04	1.45E-05	9.61E-07	6.38E-08	4.24E-09
EU159	1.04E+00	1.03E-01	1.02E-02	1.01E-03	1.00E-04	9.90E-07	9.67E-10	9.44E-13	9.21E-16	9.01E-19	8.80E-22
GD159	4.43E-03	1.94E-02	2.02E-02	1.96E-02	1.89E-02	1.75E-02	1.56E-02	1.39E-02	1.23E-02	1.10E-02	9.81E-03
TB161	8.03E-05	5.78E-04	5.74E-04	5.72E-04	5.70E-04	5.65E-04	5.59E-04	5.51E-04	5.44E-04	5.38E-04	5.31E-04
TOTAL	1.37E+04	2.72E+03	9.38E+02	5.60E+02	4.33E+02	3.27E+02	2.53E+02	2.08E+02	1.77E+02	1.53E+02	1.35E+02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	2.34E-05	2.31E-05	2.28E-05	2.19E-05	2.05E-05	1.80E-05	1.58E-05	1.22E-05	6.37E-06	1.73E-06	4.71E-07
NA 24	2.31E-01	7.63E-02	2.52E-02	9.02E-04	3.53E-06	5.39E-11	8.23E-16	1.92E-25	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	2.55E-03	2.55E-03	2.55E-03	2.53E-03	2.53E-03	2.52E-03	2.49E-03	2.46E-03	2.36E-03	2.20E-03	2.04E-03
FE 59	9.28E-04	9.14E-04	9.00E-04	8.59E-04	7.95E-04	6.82E-04	5.85E-04	4.30E-04	1.99E-04	4.25E-05	9.14E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.90E-01	1.06E-01	2.90E-02	5.89E-04	8.83E-07	2.01E-12	4.55E-18	2.34E-29	0.	0.	0.
CU 67	1.06E-03	8.07E-04	6.16E-04	2.74E-04	7.14E-05	4.81E-06	3.25E-07	1.48E-09	2.06E-15	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	1.45E-02	7.26E-03	3.60E-03	4.49E-04	1.38E-05	1.31E-08	1.24E-11	1.12E-19	0.	0.	0.
W188	5.50E-05	5.43E-05	5.38E-05	5.23E-05	4.98E-05	4.49E-05	4.07E-05	3.34E-05	2.02E-05	7.46E-06	2.74E-06
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	2.57E-04	1.86E-04	7.13E-05	1.45E-05	5.95E-07	2.44E-08	4.10E-11	4.79E-18	0.	0.	0.
U237	2.14E+00	1.93E+00	1.74E+00	1.28E+00	7.67E-01	2.75E-01	9.86E-02	1.26E-02	7.44E-05	8.00E-09	5.39E-09
U240	6.06E+01	1.87E+01	5.72E+00	1.66E-01	4.56E-04	3.42E-09	2.58E-14	1.45E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.14E-02	3.26E+01	2.43E+01	1.00E+01	2.29E+00	1.20E-01	6.28E-03	1.72E-05	6.77E-12	1.62E-21	1.62E-21
NP240M	9.58E-02	1.88E+01	5.77E+00	1.67E-01	4.59E-04	3.46E-09	2.60E-14	1.47E-24	0.	0.	0.
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12
CM242	1.51E-08	1.50E-08	1.50E-08	1.48E-08	1.45E-08	1.39E-08	1.33E-08	1.22E-08	9.95E-09	6.47E-09	4.23E-09
GE 77	9.78E-03	6.16E-03	1.41E-03	1.70E-05	1.08E-08	4.38E-15	1.77E-21	2.89E-34	0.	0.	0.
AS 77	1.01E-04	1.49E-02	1.08E-02	3.12E-03	3.66E-04	4.96E-06	6.74E-08	1.24E-11	5.76E-21	1.24E-39	2.65E-58
SE 77M	3.98E-09	4.49E-05	3.23E-05	9.38E-06	1.09E-06	1.49E-08	2.02E-10	3.73E-14	1.73E-23	3.69E-42	7.97E-61
AS 78	1.88E-02	1.67E-04	4.89E-09	4.13E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	3.64E-04	2.27E-04	1.42E-04	3.45E-05	3.27E-06	2.94E-08	2.64E-10	2.13E-14	1.24E-24	4.27E-45	1.45E-65
BR 83	2.79E-01	7.34E-03	7.37E-06	7.49E-15	7.65E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.44E-05	3.21E-02	3.64E-05	3.28E-14	3.36E-29	0.	0.	0.	0.	0.	0.
KR 85M	2.73E-03	1.56E-01	3.56E-03	4.22E-08	2.60E-16	9.90E-33	3.75E-49	0.	0.	0.	0.
KR 85	2.83E-06	7.43E-05	7.57E-05	7.57E-05	7.57E-05	7.57E-05	7.57E-05	7.54E-05	7.46E-05	7.32E-05	7.21E-05
KR 87	3.50E+01	6.92E-05	1.37E-10	1.06E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.09E+01	5.49E-02	1.44E-04	2.62E-12	3.30E-25	0.	0.	0.	0.	0.	0.
RB 88	5.30E+00	6.12E-02	1.61E-04	2.93E-12	3.67E-25	0.	0.	0.	0.	0.	0.
SR 89	1.98E-06	5.94E-02	5.85E-02	5.62E-02	5.27E-02	4.61E-02	4.03E-02	3.10E-02	1.59E-02	4.17E-03	1.10E-03
SR 90	3.74E-06	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.80E-04	3.80E-04	3.77E-04
Y 90	5.54E-12	8.80E-05	1.56E-04	2.80E-04	3.57E-04	3.80E-04	3.84E-04	3.84E-04	3.80E-04	3.80E-04	3.77E-04
SR 91	5.14E-01	1.84E+00	3.30E-01	1.89E-03	3.46E-07	1.17E-14	3.97E-22	4.52E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	3.46E-05	1.19E+00	2.13E-01	1.22E-03	2.24E-07	7.56E-15	2.56E-22	2.92E-37	0.	0.	0.
Y 91	1.42E-08	5.65E-02	6.69E-02	6.69E-02	6.30E-02	5.59E-02	4.98E-02	3.94E-02	2.18E-02	6.72E-03	2.06E-03
SR 92	6.82E+00	8.51E-02	1.83E-04	1.84E-12	8.63E-26	0.	0.	0.	0.	0.	0.
Y 92	3.15E-01	8.92E-01	9.90E-03	7.62E-09	4.44E-19	1.52E-39	5.20E-60	0.	0.	0.	0.
Y 93	3.60E-01	2.43E+00	4.74E-01	3.56E-03	1.02E-06	8.47E-14	6.99E-21	4.77E-35	0.	0.	0.
ZR 95	7.28E-04	9.10E-02	9.00E-02	8.71E-02	8.27E-02	7.41E-02	6.67E-02	5.39E-02	3.16E-02	1.09E-02	3.73E-03
NB 95M	1.55E-11	3.08E-04	5.62E-04	1.07E-03	1.45E-03	1.53E-03	1.41E-03	1.14E-03	6.70E-04	2.31E-04	7.95E-05
NB 95	8.11E-11	1.76E-03	3.48E-03	8.33E-03	1.55E-02	2.67E-02	3.45E-02	4.28E-02	4.12E-02	1.98E-02	7.60E-03
ZR 97	1.92E+00	3.27E+00	1.23E+00	6.52E-02	4.90E-04	2.76E-08	1.55E-12	4.90E-21	2.76E-42	0.	0.
NB 97M	9.89E-03	3.14E+00	1.18E+00	6.29E-02	4.70E-04	2.65E-08	1.49E-12	4.70E-21	2.66E-42	0.	0.
NB 97	9.63E-01	3.29E+00	1.23E+00	6.55E-02	4.93E-04	2.97E-08	1.67E-12	5.29E-21	2.98E-42	0.	0.
MO 99	5.84E-03	1.90E+00	1.48E+00	7.03E-01	2.04E-01	1.70E-02	1.42E-03	9.90E-06	4.02E-11	6.62E-22	1.09E-32
TC 99M	5.43E-08	1.67E+00	1.41E+00	6.74E-01	1.94E-01	1.62E-02	1.35E-03	9.45E-06	3.83E-11	6.33E-22	1.04E-32
RU103	6.80E-05	1.55E-01	1.52E-01	1.44E-01	1.32E-01	1.11E-01	9.32E-02	6.58E-02	2.74E-02	4.75E-03	8.28E-04
RH103M	4.53E-09	1.55E-01	1.52E-01	1.45E-01	1.32E-01	1.11E-01	9.32E-02	6.58E-02	2.74E-02	4.75E-03	8.28E-04
RU105	4.43E-01	4.24E-01	9.97E-03	1.31E-07	9.58E-16	5.11E-32	2.74E-48	0.	0.	0.	0.
RH105M	2.92E-03	4.24E-01	1.00E-02	1.31E-07	9.61E-16	5.15E-32	2.75E-48	0.	0.	0.	0.
RH105	4.79E-09	1.53E+00	1.00E+00	2.49E-01	2.46E-02	2.39E-04	2.32E-06	2.19E-10	1.90E-20	1.43E-40	1.07E-60
RU106	4.17E-04	7.90E-03	7.86E-03	7.83E-03	7.76E-03	7.63E-03	7.45E-03	7.18E-03	6.53E-03	5.40E-03	4.48E-03
RH106	4.51E-06	7.90E-03	7.86E-03	7.83E-03	7.76E-03	7.63E-03	7.45E-03	7.18E-03	6.53E-03	5.40E-03	4.48E-03
PD109	1.38E-02	3.52E-01	1.02E-01	2.54E-03	5.36E-06	2.39E-11	1.06E-16	2.10E-27	0.	0.	0.
AG109M	7.97E-05	3.52E-01	1.03E-01	2.55E-03	5.38E-06	2.39E-11	1.06E-16	2.11E-27	0.	0.	0.
PD111M	1.65E+00	8.03E-02	3.90E-03	4.48E-07	1.21E-13	8.83E-27	6.48E-40	0.	0.	0.	0.
PD111	5.89E-01	6.48E-02	3.14E-03	3.60E-07	9.75E-14	7.10E-27	5.20E-40	0.	0.	0.	0.
AG111M	4.68E-03	8.46E-02	4.12E-03	4.73E-07	1.28E-13	9.38E-27	6.85E-40	0.	0.	0.	0.
AG111	1.67E-09	4.60E-02	4.42E-02	3.36E-02	2.12E-02	8.40E-03	3.33E-03	5.25E-04	5.17E-06	5.01E-10	4.85E-14
PD112	4.95E-01	2.25E-01	1.02E-01	9.45E-03	1.80E-04	6.52E-08	2.37E-11	3.11E-18	1.96E-35	0.	0.
AG112	1.49E-05	2.61E-01	1.20E-01	1.11E-02	2.13E-04	7.70E-08	2.79E-11	3.68E-18	2.31E-35	0.	0.
AG113	5.99E-03	6.33E-02	2.74E-03	2.23E-07	3.40E-14	7.97E-28	1.86E-41	0.	0.	0.	0.
CD115M	1.81E-08	5.24E-04	5.15E-04	4.90E-04	4.53E-04	3.85E-04	3.29E-04	2.37E-04	1.06E-04	2.11E-05	4.22E-06
CD115	6.99E-06	1.05E-01	7.71E-02	3.04E-02	6.41E-03	2.86E-04	1.28E-05	2.55E-08	4.50E-15	1.41E-28	4.41E-42
IN115M	8.72E-11	1.11E-01	8.42E-02	3.32E-02	6.99E-03	3.13E-04	1.39E-05	2.78E-08	4.92E-15	1.54E-28	4.81E-42
CD117	1.59E-01	3.46E-03	3.36E-06	3.14E-15	2.79E-30	0.	0.	0.	0.	0.	0.
IN117M	7.62E-06	1.43E-02	1.66E-05	1.60E-14	1.42E-29	0.	0.	0.	0.	0.	0.
IN117	3.07E-10	9.46E-03	1.12E-05	1.09E-14	9.63E-30	0.	0.	0.	0.	0.	0.
SN121	3.24E-03	1.85E-01	9.96E-02	1.57E-02	7.20E-04	1.52E-06	3.20E-09	1.43E-14	5.96E-28	0.	0.
SN123	1.48E-05	1.55E-03	1.54E-03	1.51E-03	1.47E-03	1.39E-03	1.32E-03	1.18E-03	8.92E-04	5.13E-04	2.95E-04
SN125	3.35E-02	3.11E-02	2.89E-02	2.32E-02	1.60E-02	7.67E-03	3.66E-03	8.38E-04	2.10E-05	1.32E-08	8.27E-12
SB125	2.01E-04	2.23E-04	2.44E-04	2.98E-04	3.65E-04	4.42E-04	4.76E-04	4.97E-04	4.87E-04	4.55E-04	4.24E-04
SB126	4.05E-03	3.83E-03	3.62E-03	3.07E-03	2.32E-03	1.33E-03	7.68E-04	2.53E-04	1.58E-05	7.68E-08	1.54E-08

ROMEO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	3.35E+00	1.21E-03	4.41E-07	2.11E-17	1.32E-34	0.	0.	0.	0.	0.	0.
SB127	3.91E-02	1.61E-01	1.34E-01	7.85E-02	3.21E-02	5.37E-03	8.97E-04	2.51E-05	3.27E-09	5.59E-17	9.51E-25
TE127M	3.17E-10	2.45E-04	4.49E-04	8.71E-04	1.20E-03	1.33E-03	1.28E-03	1.13E-03	8.28E-04	4.37E-04	2.31E-04
TE127	2.21E-02	1.15E-01	1.13E-01	6.88E-02	2.91E-02	5.97E-03	2.04E-03	1.14E-03	8.17E-04	4.32E-04	2.28E-04
SB128	7.32E-01	1.25E-01	1.97E-02	7.69E-05	7.46E-09	7.00E-17	6.59E-25	5.80E-41	0.	0.	0.
SB129	3.36E+00	1.72E-01	3.59E-03	3.27E-08	1.30E-16	2.05E-33	3.24E-50	0.	0.	0.	0.
TE129M	6.36E-08	6.70E-03	6.70E-03	6.32E-03	5.71E-03	4.65E-03	3.78E-03	2.52E-03	9.08E-04	1.18E-04	1.54E-05
TE129	2.42E+00	2.02E-01	8.40E-03	4.05E-03	3.65E-03	2.98E-03	2.43E-03	1.62E-03	5.83E-04	7.61E-05	9.88E-06
I130	1.54E-02	4.04E-03	1.06E-03	1.89E-05	2.31E-08	3.44E-14	5.12E-20	1.14E-31	0.	0.	0.
TE131M	6.00E-05	2.10E-01	1.20E-01	2.28E-02	1.43E-03	5.56E-06	2.18E-08	3.32E-13	3.02E-25	0.	0.
TE131	5.52E+01	3.83E-02	2.20E-02	4.17E-03	2.60E-04	1.02E-06	3.97E-09	6.08E-14	5.52E-26	0.	0.
I131	8.03E-03	4.33E-01	4.09E-01	3.29E-01	2.17E-01	9.14E-02	3.87E-02	6.91E-03	9.34E-05	1.70E-08	3.10E-12
XE131M	2.18E-11	2.01E-04	3.81E-04	7.95E-04	1.14E-03	1.12E-03	8.35E-04	3.45E-04	2.30E-05	6.88E-08	1.94E-10
TE132	6.49E-01	1.29E+00	1.04E+00	5.47E-01	1.89E-01	2.24E-02	2.65E-03	3.72E-05	8.70E-10	4.76E-19	2.60E-28
I132	1.59E+00	1.33E+00	1.07E+00	5.63E-01	1.94E-01	2.30E-02	2.73E-03	3.83E-05	8.97E-10	4.88E-19	2.68E-28
I133	6.59E-01	3.67E+00	1.66E+00	1.54E-01	2.93E-03	1.06E-06	3.85E-10	5.08E-17	3.19E-34	0.	0.
XE133M	2.81E-08	3.47E-02	4.11E-02	2.41E-02	5.65E-03	2.65E-04	1.24E-05	2.68E-08	5.87E-15	2.81E-28	1.34E-41
XE133	4.90E-07	6.66E-01	8.93E-01	8.00E-01	4.36E-01	1.18E-01	3.17E-02	2.28E-03	3.18E-06	6.16E-12	1.20E-17
I135	1.10E+01	1.80E+00	1.50E-01	8.75E-05	3.55E-10	5.86E-21	9.63E-32	2.62E-53	0.	0.	0.
XE135M	1.22E-03	5.61E-01	4.69E-02	2.73E-05	1.11E-10	1.83E-21	3.01E-32	8.18E-54	0.	0.	0.
XE135	1.27E+00	4.85E+00	1.19E+00	6.78E-03	8.30E-07	1.17E-14	1.64E-22	3.23E-38	0.	0.	0.
CS136	1.22E-03	1.16E-03	1.10E-03	9.36E-04	7.17E-04	4.21E-04	2.48E-04	8.50E-05	5.91E-06	2.85E-08	1.38E-10
CS137	5.05E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.42E-04	5.39E-04	5.36E-04
BA137M	1.07E-07	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.05E-04	5.02E-04	4.99E-04
BA139	6.24E+00	6.66E-04	3.93E-09	8.09E-25	0.	0.	0.	0.	0.	0.	0.
BA140	7.85E-02	4.63E-01	4.41E-01	3.74E-01	2.85E-01	1.66E-01	9.64E-02	3.27E-02	2.18E-03	9.71E-06	4.30E-08
LA140	1.86E-07	1.61E-01	2.60E-01	3.59E-01	3.19E-01	1.91E-01	1.11E-01	3.77E-02	2.51E-03	1.12E-05	4.97E-08
LA141	1.26E+00	4.98E-01	6.99E-03	1.94E-08	1.06E-17	3.16E-36	9.42E-55	0.	0.	0.	0.
CE141	1.55E-07	1.72E-01	1.71E-01	1.61E-01	1.44E-01	1.17E-01	9.39E-02	6.12E-02	2.10E-02	2.47E-03	2.91E-04
LA142	8.17E+00	1.79E-03	3.47E-08	2.55E-22	0.	0.	0.	0.	0.	0.	0.
CE143	5.34E-02	2.20E+00	1.33E+00	2.92E-01	2.35E-02	1.52E-04	9.84E-07	4.12E-11	4.65E-22	0.	0.
PR143	1.56E-08	1.41E-01	2.19E-01	2.82E-01	2.42E-01	1.47E-01	8.90E-02	3.22E-02	2.57E-03	1.63E-05	1.04E-07
CE144	2.41E-03	1.72E-02	1.71E-02	1.70E-02	1.68E-02	1.64E-02	1.60E-02	1.53E-02	1.35E-02	1.06E-02	8.30E-03
PR144	6.61E-07	1.72E-02	1.71E-02	1.70E-02	1.68E-02	1.64E-02	1.60E-02	1.53E-02	1.35E-02	1.06E-02	8.30E-03
PR145	9.82E-02	1.00E+00	6.21E-02	1.47E-05	1.34E-11	1.11E-23	9.22E-36	0.	0.	0.	0.
ND147	1.34E-05	2.26E-01	2.12E-01	1.76E-01	1.29E-01	6.92E-02	3.69E-02	1.06E-02	4.65E-04	9.06E-07	1.76E-09
PM147	3.73E-14	1.69E-04	3.27E-04	7.47E-04	1.29E-03	1.97E-03	2.33E-03	2.60E-03	2.62E-03	2.44E-03	2.27E-03
ND149	2.36E+01	2.28E-03	2.21E-07	2.02E-19	1.72E-39	0.	0.	0.	0.	0.	0.
PM149	3.29E-03	6.07E-01	4.44E-01	1.74E-01	3.62E-02	1.58E-03	6.87E-05	1.31E-07	2.06E-14	5.09E-28	1.27E-41
PM150	2.66E-01	5.62E-04	1.18E-06	1.11E-14	4.65E-28	0.	0.	0.	0.	0.	0.

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	6.55E-02	4.47E-01	2.46E-01	4.15E-02	2.13E-03	5.58E-06	1.47E-08	1.02E-13	1.27E-26	0.	0.
SM153	2.35E-01	1.65E-01	1.16E-01	4.00E-02	6.81E-03	1.98E-04	5.75E-06	4.83E-09	9.97E-17	4.25E-32	1.80E-47
SM156	2.06E-01	3.52E-02	6.00E-03	2.95E-05	4.25E-09	8.74E-17	1.81E-24	7.68E-40	0.	0.	0.
EU155	7.86E-06	2.66E-04	2.66E-04	2.66E-04	2.65E-04	2.64E-04	2.63E-04	2.61E-04	2.56E-04	2.46E-04	2.36E-04
EU156	6.03E-04	4.90E-03	5.44E-03	4.87E-03	3.87E-03	2.43E-03	1.53E-03	6.09E-04	6.03E-05	5.94E-07	5.85E-09
EU157	2.36E-02	2.73E-02	9.17E-03	3.44E-04	1.44E-06	2.55E-11	4.51E-16	1.40E-25	0.	0.	0.
GD159	4.43E-03	8.73E-03	3.47E-03	2.17E-04	2.13E-06	2.07E-10	2.00E-14	1.88E-22	1.60E-42	0.	0.
TB161	8.03E-05	5.25E-04	4.74E-04	3.51E-04	2.12E-04	7.77E-05	2.84E-05	3.81E-06	2.52E-08	1.09E-12	4.74E-17
TOTAL	2.60E+02	1.19E+02	5.80E+01	1.87E+01	6.39E+00	1.90E+00	1.07E+00	5.60E-01	2.47E-01	9.46E-02	4.97E-02

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 5.088E-16

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	2.34E-05	2.02E-07	1.88E-08	1.74E-09	1.40E-12	1.12E-15	8.39E-20	5.38E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	9.28E-04	3.35E-06	2.01E-07	1.21E-08	2.62E-12	5.66E-16	7.38E-21	3.46E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	5.50E-05	1.43E-06	2.32E-07	3.72E-08	1.57E-10	6.58E-13	4.46E-16	7.88E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.14E+00	5.35E-09	5.21E-09	5.07E-09	4.74E-09	4.40E-09	4.00E-09	3.47E-09	2.16E-09	1.06E-09	5.21E-10
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.62E-12	7.65E-12	7.65E-12	7.69E-12	7.73E-12	7.65E-12	7.55E-12
CM242	1.51E-08	3.20E-09	1.47E-09	6.78E-10	6.60E-11	6.43E-12	2.88E-13	2.73E-15	7.83E-20	7.30E-20	6.82E-20
KR 85	2.83E-06	7.03E-05	6.81E-05	6.59E-05	6.01E-05	5.43E-05	4.77E-05	3.93E-05	2.08E-05	7.94E-06	3.03E-06
SR 89	1.98E-06	4.64E-04	4.06E-05	3.56E-06	2.40E-09	1.62E-12	9.56E-17	4.35E-23	3.16E-44	0.	0.
SR 90	3.74E-06	3.74E-04	3.70E-04	3.67E-04	3.53E-04	3.40E-04	3.23E-04	3.00E-04	2.35E-04	1.62E-04	1.12E-04
Y 90	5.54E-12	3.74E-04	3.70E-04	3.67E-04	3.53E-04	3.40E-04	3.23E-04	3.00E-04	2.35E-04	1.62E-04	1.12E-04
Y 91	1.42E-08	9.56E-04	1.11E-04	1.29E-05	2.03E-08	3.18E-11	5.82E-15	1.43E-20	2.89E-39	0.	0.
ZR 95	7.28E-04	1.87E-03	2.67E-04	3.80E-05	1.11E-07	3.22E-10	1.33E-13	1.13E-18	1.38E-35	0.	0.
NB 95M	1.55E-11	3.96E-05	5.65E-06	8.08E-07	2.35E-09	6.83E-12	2.83E-15	2.39E-20	2.93E-37	0.	0.
NB 95	8.11E-11	4.02E-03	5.78E-04	8.24E-05	2.39E-07	6.93E-10	2.89E-13	2.44E-18	2.99E-35	0.	0.
RU103	6.80E-05	2.64E-04	1.08E-05	4.44E-07	3.03E-11	2.08E-15	5.84E-21	2.74E-29	0.	0.	0.
RH103M	4.53E-09	2.64E-04	1.08E-05	4.44E-07	3.04E-11	2.08E-15	5.84E-21	2.75E-29	0.	0.	0.
RU106	4.17E-04	3.97E-03	2.81E-03	1.99E-03	7.08E-04	2.51E-04	6.33E-05	8.00E-06	8.07E-09	2.60E-13	8.34E-18
RH106	4.51E-06	3.97E-03	2.81E-03	1.99E-03	7.08E-04	2.51E-04	6.33E-05	8.00E-06	8.07E-09	2.60E-13	8.34E-18
SN123	1.48E-05	2.05E-04	7.45E-05	2.71E-05	1.30E-06	6.23E-08	1.09E-09	2.50E-12	4.01E-21	2.58E-34	1.66E-47
SB125	2.01E-04	4.05E-04	3.56E-04	3.13E-04	2.13E-04	1.45E-04	8.67E-05	4.01E-05	3.09E-06	6.57E-08	1.40E-09
TE125M	5.41E-12	1.65E-04	1.47E-04	1.29E-04	8.83E-05	6.01E-05	3.59E-05	1.66E-05	1.28E-06	2.72E-08	5.79E-10
TE127M	3.17E-10	1.52E-04	4.74E-05	1.48E-05	4.56E-07	1.40E-08	1.35E-10	1.27E-13	1.04E-23	7.79E-39	5.80E-54
TE127	2.21E-02	1.50E-04	4.69E-05	1.47E-05	4.51E-07	1.39E-08	1.33E-10	1.26E-13	1.03E-23	7.69E-39	5.75E-54
CS137	5.05E-05	5.33E-04	5.27E-04	5.20E-04	5.02E-04	4.84E-04	4.63E-04	4.33E-04	3.42E-04	2.43E-04	1.72E-04
BA137M	1.07E-07	4.99E-04	4.93E-04	4.87E-04	4.69E-04	4.54E-04	4.33E-04	4.05E-04	3.21E-04	2.27E-04	1.61E-04
CE141	1.55E-07	6.70E-05	1.35E-06	2.71E-08	2.20E-13	1.79E-18	2.94E-25	1.95E-35	0.	0.	0.
CE144	2.41E-03	7.07E-03	4.55E-03	2.90E-03	7.62E-04	2.00E-04	3.37E-05	2.32E-06	3.13E-10	4.91E-16	7.65E-22
PR144	6.61E-07	7.07E-03	4.55E-03	2.90E-03	7.62E-04	2.00E-04	3.37E-05	2.32E-06	3.13E-10	4.91E-16	7.65E-22
PM147	3.73E-14	2.17E-03	1.90E-03	1.66E-03	1.12E-03	7.51E-04	4.41E-04	2.00E-04	1.42E-05	2.69E-07	5.09E-09
EU155	7.86E-06	2.30E-04	2.14E-04	1.99E-04	1.60E-04	1.29E-04	9.60E-05	6.20E-05	1.45E-05	1.63E-06	1.83E-07
TOTAL	2.17E+00	3.54E-02	2.03E-02	1.41E-02	6.26E-03	3.66E-03	2.44E-03	1.82E-03	1.19E-03	8.04E-04	5.60E-04

1 ROMEO

PAGE 2

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	9.99E+01	1.34E+04
1.00E+00	2.96E+01	2.63E+03
2.00E+00	1.16E+01	9.39E+02
3.00E+00	6.22E+00	5.57E+02
4.00E+00	3.93E+00	4.18E+02
6.00E+00	2.15E+00	3.02E+02
9.00E+00	1.33E+00	2.24E+02
1.20E+01	1.00E+00	1.81E+02
1.50E+01	8.03E-01	1.51E+02
1.80E+01	6.67E-01	1.30E+02
2.10E+01	5.67E-01	1.13E+02
1.00E+00 DAYS	4.85E-01	9.90E+01
2.00E+00	2.23E-01	4.72E+01
5.00E+00	8.20E-02	1.58E+01
1.00E+01	3.55E-02	5.85E+00
2.00E+01	1.32E-02	1.95E+00
3.00E+01	7.43E-03	1.12E+00
5.00E+01	3.35E-03	5.94E-01
1.00E+02	1.10E-03	2.52E-01
2.00E+02	3.58E-04	8.94E-02
3.00E+02	1.42E-04	4.59E-02
1.00E+00 YEARS	8.60E-05	3.32E-02
1.50E+00	3.30E-05	1.98E-02
2.00E+00	2.16E-05	1.41E-02
3.50E+00	1.23E-05	6.74E-03
5.00E+00	8.97E-06	4.19E-03
7.00E+00	7.16E-06	2.97E-03
1.00E+01	6.03E-06	2.34E-03
2.00E+01	4.44E-06	1.62E-03
3.50E+01	3.13E-06	1.11E-03
5.00E+01	2.21E-06	7.76E-04

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.61E-05	1.61E-05	1.61E-05	1.60E-05	1.60E-05
NA 24	1.60E-01	1.53E-01	1.46E-01	1.40E-01	1.33E-01	1.22E-01	1.06E-01	9.22E-02	8.03E-02	7.00E-02	6.06E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03
FE 59	6.43E-04	6.42E-04	6.42E-04	6.42E-04	6.42E-04	6.41E-04	6.40E-04	6.39E-04	6.37E-04	6.36E-04	6.36E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.71E-01	2.56E-01	2.42E-01	2.30E-01	2.18E-01	1.95E-01	1.66E-01	1.41E-01	1.20E-01	1.02E-01	8.68E-02
CU 67	7.34E-04	7.28E-04	7.15E-04	7.09E-04	7.03E-04	6.84E-04	6.59E-04	6.40E-04	6.20E-04	5.96E-04	5.79E-04
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	2.02E-02	1.96E-02	1.90E-02	1.85E-02	1.80E-02	1.69E-02	1.55E-02	1.43E-02	1.30E-02	1.20E-02	1.09E-02
W188	7.63E-05	7.63E-05	7.63E-05	7.61E-05	7.61E-05	7.61E-05	7.59E-05	7.59E-05	7.57E-05	7.57E-05	7.55E-05
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	4.89E-04	4.83E-04	4.76E-04	4.69E-04	4.62E-04	4.52E-04	4.35E-04	4.18E-04	4.00E-04	3.83E-04	3.70E-04
U237	1.49E+00	1.48E+00	1.47E+00	1.47E+00	1.46E+00	1.45E+00	1.43E+00	1.41E+00	1.39E+00	1.37E+00	1.36E+00
U239	4.33E+03	7.39E+02	1.26E+02	2.15E+01	3.65E+00	1.06E-01	5.27E-04	2.60E-06	1.29E-08	6.36E-11	3.15E-13
U240	4.20E+01	4.00E+01	3.81E+01	3.63E+01	3.45E+01	3.13E+01	2.70E+01	2.33E+01	2.01E+01	1.73E+01	1.49E+01
NP239	1.48E-02	2.48E+01	2.87E+01	2.92E+01	2.89E+01	2.83E+01	2.71E+01	2.62E+01	2.53E+01	2.44E+01	2.35E+01
NP240M	6.64E-02	4.02E+01	3.84E+01	3.66E+01	3.48E+01	3.15E+01	2.72E+01	2.35E+01	2.02E+01	1.75E+01	1.51E+01
NP240	1.68E-09	8.65E-10	4.49E-10	2.32E-10	1.20E-10	3.21E-11	4.42E-12	6.10E-13	8.41E-14	1.16E-14	1.60E-15
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12
CM242	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.04E-08	1.04E-08	1.04E-08	1.04E-08	1.04E-08
GE 75	4.22E-05	2.05E-01	1.23E-01	7.43E-02	4.47E-02	1.62E-02	3.54E-03	7.75E-04	1.69E-04	3.69E-05	8.07E-06
GE 77	1.36E-02	3.49E-02	3.29E-02	3.09E-02	2.91E-02	2.57E-02	2.14E-02	1.78E-02	1.48E-02	1.23E-02	1.02E-02
AS 77	1.40E-04	2.22E-02	2.24E-02	2.26E-02	2.27E-02	2.29E-02	2.29E-02	2.27E-02	2.24E-02	2.19E-02	2.13E-02
SE 77M	5.53E-09	6.63E-05	6.73E-05	6.78E-05	6.78E-05	6.83E-05	6.88E-05	6.83E-05	6.73E-05	6.58E-05	6.38E-05
GE 78	1.45E+00	9.04E-01	5.62E-01	3.52E-01	2.19E-01	8.54E-02	2.07E-02	5.02E-03	1.23E-03	2.98E-04	7.23E-05
AS 78	2.60E-02	4.32E-01	5.32E-01	4.99E-01	4.17E-01	2.46E-01	9.14E-02	3.03E-02	9.39E-03	2.81E-03	8.14E-04
AS 79	2.29E+01	2.26E-01	2.23E-03	2.19E-05	2.16E-07	2.09E-11	1.99E-17	1.90E-23	1.81E-29	1.73E-35	1.65E-41
SE 79M	3.40E-02	3.99E-01	3.93E-03	3.87E-05	3.81E-07	3.69E-11	3.52E-17	3.36E-23	3.20E-29	3.06E-35	2.92E-41
BR 80	1.24E-01	1.17E-02	1.10E-03	1.03E-04	9.73E-06	8.63E-08	7.22E-11	6.02E-14	5.02E-17	4.19E-20	3.50E-23
SE 81M	9.60E-02	4.48E+00	2.16E+00	1.04E+00	5.00E-01	1.17E-01	1.31E-02	1.46E-03	1.64E-04	1.84E-05	2.06E-06
SE 81	1.17E+00	5.29E+00	3.06E+00	1.53E+00	7.42E-01	1.73E-01	1.94E-02	2.17E-03	2.43E-04	2.73E-05	3.06E-06
BR 82	5.05E-04	4.95E-04	4.85E-04	4.76E-04	4.67E-04	4.49E-04	4.23E-04	3.99E-04	3.76E-04	3.54E-04	3.34E-04
SE 83	4.65E+01	8.81E+00	1.67E+00	3.17E-01	5.98E-02	2.15E-03	1.46E-05	9.95E-08	6.80E-10	4.61E-12	2.93E-14
BR 83	3.86E-01	5.77E+00	5.34E+00	4.20E+00	3.19E+00	1.80E+00	7.62E-01	3.20E-01	1.35E-01	5.71E-02	2.41E-02
KR 83M	2.00E-05	1.31E+00	2.67E+00	3.31E+00	3.42E+00	2.85E+00	1.68E+00	8.65E-01	4.17E-01	1.93E-01	8.65E-02

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	8.92E-02	1.54E+01	4.16E+00	1.13E+00	3.04E-01	2.23E-02	4.40E-04	8.69E-06	1.72E-07	3.40E-09	6.72E-11
KR 85M	3.79E-03	8.13E+00	6.92E+00	5.91E+00	5.05E+00	3.69E+00	2.30E+00	1.43E+00	8.94E-01	5.55E-01	3.47E-01
KR 87	4.86E+01	2.80E+01	1.62E+01	9.38E+00	5.41E+00	1.82E+00	3.52E-01	6.82E-02	1.32E-02	2.56E-03	4.94E-04
KR 88	2.89E+01	2.26E+01	1.76E+01	1.38E+01	1.08E+01	6.53E+00	3.12E+00	1.48E+00	7.05E-01	3.36E-01	1.60E-01
RB 88	7.36E+00	2.29E+01	1.95E+01	1.54E+01	1.20E+01	7.31E+00	3.49E+00	1.66E+00	7.92E-01	3.77E-01	1.79E-01
RB 89	3.59E+01	3.37E+01	2.27E+00	1.52E-01	1.02E-02	4.62E-05	1.40E-08	4.22E-12	1.29E-15	3.89E-19	1.18E-22
SR 89	2.75E-06	9.65E-02	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01
SR 90	5.18E-06	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
SR 91	6.23E-01	1.16E+01	1.08E+01	1.01E+01	9.37E+00	8.12E+00	6.55E+00	5.29E+00	4.27E+00	3.43E+00	2.77E+00
Y 91M	4.20E-05	4.00E+00	5.45E+00	5.84E+00	5.76E+00	5.18E+00	4.23E+00	3.41E+00	2.75E+00	2.22E+00	1.79E+00
Y 91	1.72E-08	3.56E-03	8.19E-03	1.31E-02	1.79E-02	2.68E-02	3.80E-02	4.70E-02	5.45E-02	6.04E-02	6.51E-02
SR 92	4.73E+00	2.11E+01	1.64E+01	1.27E+01	9.81E+00	5.88E+00	2.73E+00	1.27E+00	5.88E-01	2.73E-01	1.27E-01
Y 92	2.18E-01	4.45E+00	6.98E+00	8.30E+00	8.80E+00	8.38E+00	6.43E+00	4.38E+00	2.82E+00	1.73E+00	1.05E+00
SR 93	2.04E+02	3.52E+00	1.94E-02	1.07E-04	5.92E-07	1.81E-11	3.05E-18	5.15E-25	8.69E-32	1.47E-38	2.47E-45
Y 93	2.49E-01	8.06E+00	7.57E+00	7.08E+00	6.62E+00	5.78E+00	4.71E+00	3.84E+00	3.12E+00	2.56E+00	2.08E+00
Y 94	3.07E+01	4.20E+01	5.40E+00	6.96E-01	8.98E-02	1.49E-03	3.20E-06	6.86E-09	1.47E-11	3.20E-14	1.77E-15
Y 95	1.34E+02	1.27E+01	2.79E-01	6.15E-03	1.35E-04	6.57E-08	7.04E-13	7.53E-18	8.03E-23	8.59E-28	9.19E-33
ZR 95	5.05E-04	6.60E-02	6.73E-02	6.73E-02	6.73E-02	6.73E-02	6.73E-02	6.71E-02	6.71E-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	4.74E-04	6.37E-04	7.97E-04	9.58E-04	1.12E-03
ZR 97	1.33E+00	5.80E+00	5.55E+00	5.35E+00	5.12E+00	4.73E+00	4.18E+00	3.69E+00	3.28E+00	2.89E+00	2.57E+00
NB 97M	6.86E-03	5.58E+00	5.35E+00	5.14E+00	4.93E+00	4.54E+00	4.02E+00	3.56E+00	3.14E+00	2.78E+00	2.45E+00
NB 97	6.68E-01	2.91E+00	4.11E+00	4.68E+00	4.91E+00	4.89E+00	4.45E+00	3.97E+00	3.51E+00	3.10E+00	2.75E+00
NB 98	7.60E+00	3.37E+00	1.49E+00	6.58E-01	2.92E-01	5.71E-02	4.94E-03	4.26E-04	3.71E-05	3.22E-06	2.77E-07
MO 99	4.05E-03	1.67E+00	1.65E+00	1.64E+00	1.62E+00	1.59E+00	1.54E+00	1.49E+00	1.45E+00	1.40E+00	1.36E+00
TC 99M	3.77E-08	1.59E-01	2.99E-01	4.23E-01	5.32E-01	7.10E-01	9.01E-01	1.02E+00	1.10E+00	1.14E+00	1.16E+00
MO101	1.27E+02	5.75E+01	3.34E+00	1.93E-01	1.12E-02	3.76E-05	7.31E-09	1.42E-12	2.77E-16	5.37E-20	1.05E-23
TC101	5.37E+00	1.61E+02	1.76E+01	1.45E+00	1.05E-01	4.75E-04	1.19E-07	2.66E-11	5.64E-15	1.16E-18	2.35E-22
MO102	1.18E+03	2.70E+01	6.14E-01	1.40E-02	3.20E-04	1.66E-07	1.98E-12	2.34E-17	2.78E-22	3.29E-27	3.91E-32
TC102M	7.60E-01	2.28E+01	5.22E-01	1.19E-02	2.72E-04	1.41E-07	1.67E-12	1.98E-17	2.35E-22	2.79E-27	3.31E-32
TC102	3.56E+03	1.36E+01	3.10E-01	7.04E-03	1.61E-04	8.39E-08	9.97E-13	1.18E-17	1.40E-22	1.66E-27	1.97E-32
RU103	9.43E-05	2.19E-01	2.18E-01	2.18E-01	2.18E-01	2.18E-01	2.17E-01	2.17E-01	2.16E-01	2.16E-01	2.15E-01
RH103M	6.28E-09	1.13E-01	1.67E-01	1.94E-01	2.07E-01	2.15E-01	2.17E-01	2.17E-01	2.16E-01	2.16E-01	2.16E-01
TC104	7.54E+01	5.42E+01	5.42E+00	5.36E-01	5.31E-02	5.23E-04	5.10E-07	4.99E-10	4.87E-13	4.76E-16	4.65E-19
RU105	6.15E-01	2.13E+01	1.82E+01	1.56E+01	1.33E+01	9.74E+00	6.10E+00	3.81E+00	2.39E+00	1.49E+00	9.38E-01
RH105M	4.04E-03	2.13E+01	1.82E+01	1.56E+01	1.33E+01	9.78E+00	6.10E+00	3.83E+00	2.40E+00	1.50E+00	9.38E-01
RH105	6.64E-09	4.33E-01	8.03E-01	1.11E+00	1.36E+00	1.75E+00	2.09E+00	2.24E+00	2.29E+00	2.27E+00	2.21E+00
RU106	5.79E-04	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02
RH106	6.26E-06	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02
RH107	1.69E-01	2.30E+01	3.48E+00	5.24E-01	7.90E-02	1.80E-03	6.21E-06	2.14E-08	7.37E-11	2.52-146	2.51E-17
PD107M	3.51E-04	4.67E+00	7.06E-01	1.07E-01	1.61E-02	3.67E-04	1.26E-06	4.36E-09	1.50E-11	5.18E-14	1.77E-16

1

ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	1.92E-02	1.59E+00	1.51E+00	1.43E+00	1.36E+00	1.23E+00	1.05E+00	9.04E-01	7.75E-01	6.64E-01	5.71E-01
AG109M	1.11E-04	1.59E+00	1.51E+00	1.44E+00	1.36E+00	1.23E+00	1.05E+00	9.04E-01	7.75E-01	6.64E-01	5.71E-01
PD111M	2.29E+00	2.02E+00	1.78E+00	1.58E+00	1.39E+00	1.08E+00	7.38E-01	5.06E-01	3.47E-01	2.37E-01	1.63E-01
PD111	8.17E-01	1.47E+00	1.41E+00	1.26E+00	1.11E+00	8.65E-01	5.93E-01	4.07E-01	2.78E-01	1.91E-01	1.31E-01
AG111M	6.49E-03	1.99E+00	1.87E+00	1.67E+00	1.47E+00	1.14E+00	7.78E-01	5.33E-01	3.66E-01	2.51E-01	1.71E-01
AG111	2.31E-09	6.85E-03	1.44E-02	2.11E-02	2.71E-02	3.70E-02	4.75E-02	5.44E-02	5.90E-02	6.18E-02	6.35E-02
PD112	6.87E-01	6.66E-01	6.43E-01	6.22E-01	6.03E-01	5.63E-01	5.11E-01	4.63E-01	4.19E-01	3.79E-01	3.43E-01
AG112	2.07E-05	1.32E-01	2.32E-01	3.12E-01	3.71E-01	4.44E-01	4.88E-01	4.86E-01	4.63E-01	4.31E-01	3.98E-01
AG113	8.31E-03	1.78E+00	1.56E+00	1.37E+00	1.20E+00	9.23E-01	6.25E-01	4.22E-01	2.85E-01	1.92E-01	1.30E-01
AG115	3.07E+00	3.29E+00	4.09E-01	5.12E-02	6.41E-03	1.00E-04	1.96E-07	3.83E-10	7.41E-13	7.36-162	6.82E-16
CD115M	2.51E-08	6.68E-04	7.51E-04	7.60E-04	7.60E-04	7.60E-04	7.58E-04	7.58E-04	7.55E-04	7.53E-04	7.53E-04
CD115	9.70E-06	1.83E-01	1.97E-01	1.96E-01	1.94E-01	1.89E-01	1.82E-01	1.75E-01	1.68E-01	1.62E-01	1.55E-01
IN115M	1.21E-10	2.02E-02	4.48E-02	6.65E-02	8.48E-02	1.13E-01	1.40E-01	1.54E-01	1.60E-01	1.62E-01	1.61E-01
CD117	2.20E-01	3.66E+00	2.76E+00	2.06E+00	1.54E+00	8.66E-01	3.63E-01	1.53E-01	6.44E-02	2.71E-02	1.14E-02
IN117M	1.06E-05	1.27E+00	1.84E+00	2.00E+00	1.93E+00	1.52E+00	8.71E-01	4.46E-01	2.14E-01	9.92E-02	4.48E-02
IN117	4.25E-10	2.32E-01	5.62E-01	7.81E-01	8.71E-01	8.01E-01	5.10E-01	2.73E-01	1.36E-01	6.39E-02	2.94E-02
CD118	1.46E+01	6.24E+00	2.68E+00	1.14E+00	4.88E-01	8.94E-02	7.02E-03	5.48E-04	4.31E-05	3.38E-06	2.65E-07
IN118	9.64E-01	6.24E+00	2.68E+00	1.14E+00	4.88E-01	8.96E-02	7.02E-03	5.51E-04	4.31E-05	3.38E-06	2.65E-07
CD119	3.63E+01	5.66E-01	8.84E-03	1.38E-04	2.16E-06	5.28E-10	2.01E-15	7.70E-21	2.93E-26	1.12E-31	4.28E-37
IN119M	5.47E-02	6.13E+00	6.67E-01	6.72E-02	6.69E-03	6.59E-05	6.42E-08	6.29E-11	6.13E-14	5.99E-17	5.85E-20
IN119	2.70E+00	3.23E-01	3.74E-02	3.79E-03	3.79E-04	3.71E-06	3.63E-09	3.55E-12	3.47E-15	3.39E-18	3.31E-21
SN121	4.49E-03	4.62E-01	4.49E-01	4.38E-01	4.28E-01	4.07E-01	3.75E-01	3.49E-01	3.22E-01	2.98E-01	2.77E-01
SN123M	2.19E+00	4.09E+00	1.45E+00	5.13E-01	1.81E-01	2.26E-02	1.00E-03	4.43E-05	1.96E-06	8.66E-08	3.83E-09
SN123	2.06E-05	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03
SN125	4.64E-02	4.63E-02	4.62E-02	4.61E-02	4.58E-02	4.56E-02	4.52E-02	4.47E-02	4.44E-02	4.39E-02	4.35E-02
SB125	2.79E-04	2.80E-04	2.81E-04	2.82E-04	2.84E-04	2.86E-04	2.91E-04	2.95E-04	2.98E-04	3.02E-04	3.06E-04
SB126	5.61E-03	5.59E-03	5.58E-03	5.58E-03	5.56E-03	5.53E-03	5.50E-03	5.46E-03	5.42E-03	5.38E-03	5.35E-03
SN127	4.65E+00	3.34E+00	2.40E+00	1.73E+00	1.24E+00	6.42E-01	2.38E-01	8.87E-02	3.29E-02	1.22E-02	4.54E-03
SB127	5.43E-02	1.87E-01	2.07E-01	2.21E-01	2.30E-01	2.40E-01	2.44E-01	2.41E-01	2.38E-01	2.33E-01	2.28E-01
TE127	3.06E-02	3.82E-02	4.64E-02	5.50E-02	6.36E-02	7.97E-02	1.02E-01	1.19E-01	1.33E-01	1.43E-01	1.50E-01
SN128	2.41E+01	1.19E+01	5.88E+00	2.91E+00	1.44E+00	3.51E-01	4.23E-02	5.11E-03	6.16E-04	7.47E-05	9.01E-06
SB128M	1.23E-02	1.35E+01	7.03E+00	3.47E+00	1.71E+00	4.19E-01	5.05E-02	6.09E-03	7.35E-04	8.88E-05	1.07E-05
SB128	1.02E+00	9.77E-01	9.20E-01	8.62E-01	8.05E-01	6.90E-01	5.51E-01	4.37E-01	3.47E-01	2.75E-01	2.18E-01
SN129M	1.24E+01	6.19E+00	3.11E+00	1.55E+00	7.77E-01	1.94E-01	2.43E-02	3.04E-03	3.79E-04	4.74E-05	5.93E-06
SN129	8.29E+01	8.13E-01	8.03E-03	7.92E-05	7.77E-07	7.56E-11	7.19E-17	6.87E-23	6.56E-29	6.24E-35	5.98E-41
SB129	4.66E+00	7.82E+00	7.35E+00	6.56E+00	5.77E+00	4.29E+00	2.67E+00	1.65E+00	1.02E+00	6.30E-01	3.87E-01
TE129M	8.81E-08	9.76E-04	2.01E-03	2.95E-03	3.79E-03	5.14E-03	6.51E-03	7.35E-03	7.87E-03	8.19E-03	8.40E-03
TE129	3.36E+00	4.62E+00	5.40E+00	5.61E+00	5.40E+00	4.48E+00	2.98E+00	1.88E+00	1.17E+00	7.24E-01	4.49E-01
SB130M	4.49E-01	8.47E-01	2.22E-03	5.84E-06	1.54E-08	1.06E-13	1.93E-21	3.51E-29	6.38E-37	1.16E-44	2.11E-52
SB130	7.69E+01	2.33E+01	6.62E+00	1.87E+00	5.30E-01	4.27E-02	9.73E-04	2.22E-05	5.06E-07	1.15E-08	2.63E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	2.14E-02	2.02E-02	1.92E-02	1.81E-02	1.71E-02	1.53E-02	1.29E-02	1.09E-02	9.25E-03	7.83E-03	6.62E-03
SB131	1.73E+02	4.52E+01	7.38E+00	1.21E+00	1.99E-01	5.36E-03	2.36E-05	1.04E-07	4.59E-10	2.02E-12	1.01E-14
TE131M	8.32E-05	4.35E-01	4.97E-01	4.97E-01	4.88E-01	4.66E-01	4.35E-01	4.06E-01	3.79E-01	3.53E-01	3.30E-01
TE131	7.66E+01	8.32E+01	2.71E+01	7.05E+00	1.71E+00	1.61E-01	7.99E-02	7.38E-02	6.89E-02	6.45E-02	6.01E-02
I131	1.11E-02	3.86E-01	5.68E-01	6.23E-01	6.34E-01	6.39E-01	6.39E-01	6.34E-01	6.34E-01	6.28E-01	6.28E-01
TE132	9.01E-01	2.19E+00	2.17E+00	2.15E+00	2.13E+00	2.09E+00	2.04E+00	1.98E+00	1.93E+00	1.88E+00	1.83E+00
I132	2.21E+00	2.20E+00	2.20E+00	2.19E+00	2.17E+00	2.14E+00	2.10E+00	2.04E+00	1.99E+00	1.94E+00	1.89E+00
TE133M	1.05E-01	3.64E+01	1.58E+01	6.89E+00	3.00E+00	5.69E-01	4.69E-02	3.87E-03	3.19E-04	2.63E-05	2.17E-06
TE133	5.89E+02	3.34E+01	3.72E+00	1.23E+00	5.19E-01	9.84E-02	8.14E-03	6.69E-04	5.54E-05	4.56E-06	3.76E-07
I133	9.14E-01	9.84E+00	1.06E+01	1.06E+01	1.04E+01	9.89E+00	8.99E+00	8.14E+00	7.34E+00	6.69E+00	6.04E+00
XE133M	3.89E-08	2.21E-03	5.34E-03	8.54E-03	1.16E-02	1.75E-02	2.53E-02	3.21E-02	3.79E-02	4.28E-02	4.69E-02
XE133	6.79E-07	3.87E-02	9.39E-02	1.50E-01	2.06E-01	3.12E-01	4.57E-01	5.84E-01	6.99E-01	7.99E-01	8.89E-01
TE134	1.84E+02	8.53E+01	3.18E+01	1.18E+01	4.38E+00	6.08E-01	3.11E-02	1.59E-03	8.15E-05	4.19E-06	2.15E-07
I134	8.44E+01	1.13E+02	7.91E+01	4.63E+01	2.49E+01	6.32E+00	6.94E-01	7.09E-02	6.94E-03	6.65E-04	6.32E-05
I135	1.53E+01	2.69E+01	2.43E+01	2.19E+01	1.98E+01	1.60E+01	1.18E+01	8.61E+00	6.33E+00	4.66E+00	3.40E+00
XE135M	1.69E-03	7.78E+00	7.56E+00	6.86E+00	6.15E+00	5.01E+00	3.68E+00	2.69E+00	1.98E+00	1.45E+00	1.06E+00
XE135	1.76E+00	3.48E+00	5.10E+00	6.42E+00	7.47E+00	8.96E+00	9.93E+00	9.97E+00	9.49E+00	8.66E+00	7.73E+00
CS136	1.70E-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	7.01E-05	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04
BA137M	1.48E-07	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04
XE138	5.90E+02	5.08E+01	4.42E+00	3.83E-01	3.31E-02	2.48E-04	1.62E-07	1.05E-10	6.82E-14	4.43E-17	2.88E-20
CS138	8.79E+01	1.48E+02	5.13E+01	1.51E+01	4.22E+00	3.21E-01	6.68E-03	1.39E-04	2.88E-06	6.00E-08	1.24E-09
CS139	4.69E+02	1.50E+01	1.87E-01	2.36E-03	2.96E-05	4.64E-09	9.24E-15	1.83E-20	3.61E-26	7.17E-32	1.42E-37
BA139	8.65E+00	9.64E+01	5.95E+01	3.61E+01	2.19E+01	8.02E+00	1.78E+00	3.95E-01	8.79E-02	1.95E-02	4.33E-03
BA140	9.25E-02	5.77E-01	5.77E-01	5.72E-01	5.72E-01	5.68E-01	5.68E-01	5.64E-01	5.59E-01	5.55E-01	5.50E-01
LA140	2.20E-07	9.86E-03	1.96E-02	2.90E-02	3.83E-02	5.64E-02	8.23E-02	1.07E-01	1.29E-01	1.51E-01	1.71E-01
BA141	1.25E+02	3.79E+01	3.76E+00	3.73E-01	3.70E-02	3.67E-04	3.58E-07	3.49E-10	3.40E-13	3.34E-16	3.25E-19
LA141	1.16E+00	2.45E+01	2.29E+01	1.94E+01	1.63E+01	1.14E+01	6.69E+00	3.91E+00	2.30E+00	1.35E+00	7.91E-01
CE141	1.43E-07	1.59E-02	3.73E-02	5.61E-02	7.19E-02	9.64E-02	1.20E-01	1.33E-01	1.41E-01	1.45E-01	1.48E-01
BA142	2.47E+02	9.81E+00	2.24E-01	5.10E-03	1.16E-04	6.04E-08	7.17E-13	8.51E-18	1.01E-22	1.20E-27	1.42E-32
LA142	5.67E+00	3.93E+01	2.59E+01	1.65E+01	1.05E+01	4.25E+00	1.10E+00	2.82E-01	7.28E-02	1.87E-02	4.83E-03
LA143	9.27E+01	1.81E+01	9.27E-01	4.76E-02	2.45E-03	6.41E-06	8.64E-10	1.16E-13	1.57E-17	2.12E-21	2.86E-25
CE143	3.70E-02	2.36E+00	2.45E+00	2.38E+00	2.34E+00	2.25E+00	2.11E+00	1.98E+00	1.86E+00	1.75E+00	1.64E+00
PR143	1.08E-08	3.62E-03	8.73E-03	1.38E-02	1.88E-02	2.84E-02	4.18E-02	5.46E-02	6.63E-02	7.73E-02	8.75E-02
CE144	1.67E-03	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.19E-02	1.19E-02	1.19E-02	1.19E-02	1.19E-02
PR144	4.58E-07	1.09E-02	1.19E-02	1.19E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.19E-02	1.19E-02	1.19E-02
PR145	6.81E-02	1.00E+01	8.89E+00	7.91E+00	7.06E+00	5.59E+00	3.94E+00	2.78E+00	1.97E+00	1.39E+00	9.85E-01
CE146	2.22E+02	1.14E+01	5.82E-01	2.98E-02	1.53E-03	4.04E-06	5.43E-10	7.32E-14	9.86E-18	1.33E-21	1.79E-25
PR146	4.58E+00	3.99E+01	9.03E+00	1.70E+00	3.05E-01	9.60E-03	5.31E-05	2.92E-07	1.62E-09	8.95E-12	4.89E-14
PR147	2.61E+01	7.55E+00	2.36E-01	7.36E-03	2.30E-04	2.25E-07	6.86E-12	2.10E-16	6.40E-21	1.95E-25	5.95E-30

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ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	9.32E-06	1.75E-01	1.80E-01	1.80E-01	1.79E-01	1.79E-01	1.77E-01	1.76E-01	1.75E-01	1.73E-01	1.72E-01
ND149	1.64E+01	1.11E+01	7.58E+00	5.17E+00	3.50E+00	1.62E+00	5.10E-01	1.61E-01	5.07E-02	1.60E-02	5.04E-03
PM149	2.28E-03	1.78E-01	2.96E-01	3.74E-01	4.24E-01	4.76E-01	4.95E-01	4.86E-01	4.73E-01	4.55E-01	4.39E-01
PM150	1.85E-01	1.43E-01	1.11E-01	8.53E-02	6.60E-02	3.96E-02	1.83E-02	8.47E-03	3.93E-03	1.82E-03	8.41E-04
ND151	7.17E+01	2.24E+00	7.01E-02	2.19E-03	6.85E-05	6.69E-08	2.04E-12	6.24E-17	1.90E-21	5.79E-26	1.77E-30
PM151	4.54E-02	5.31E-01	5.34E-01	5.22E-01	5.09E-01	4.83E-01	4.48E-01	4.16E-01	3.87E-01	3.58E-01	3.33E-01
PM152	1.12E+02	1.10E-01	1.07E-04	1.05E-07	1.02E-10	9.77E-17	9.10E-26	8.49E-35	7.91E-44	7.38E-53	6.86E-62
SM153	1.63E-01	1.60E-01	1.58E-01	1.56E-01	1.54E-01	1.49E-01	1.43E-01	1.36E-01	1.31E-01	1.25E-01	1.20E-01
SM155	7.42E+00	1.22E+00	2.00E-01	3.27E-02	5.35E-03	1.44E-04	6.36E-07	2.80E-09	1.24E-11	5.50E-14	1.35E-16
EU155	5.45E-06	1.55E-04	1.80E-04	1.84E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
SM156	1.43E-01	1.33E-01	1.23E-01	1.15E-01	1.06E-01	9.18E-02	7.35E-02	5.90E-02	4.73E-02	3.79E-02	3.03E-02
EU156	4.18E-04	6.82E-04	9.26E-04	1.15E-03	1.36E-03	1.74E-03	2.21E-03	2.56E-03	2.87E-03	3.09E-03	3.26E-03
EU157	1.64E-02	5.42E-02	5.18E-02	4.95E-02	4.72E-02	4.31E-02	3.76E-02	3.29E-02	2.86E-02	2.49E-02	2.17E-02
EU158	5.16E-01	2.09E-01	8.46E-02	3.43E-02	1.39E-02	2.27E-03	1.51E-04	1.00E-05	6.66E-07	4.42E-08	2.94E-09
EU159	7.18E-01	7.13E-02	7.07E-03	7.02E-04	6.96E-05	6.86E-07	6.70E-10	6.55E-13	6.39E-16	6.25E-19	6.10E-22
GD159	3.08E-03	1.35E-02	1.40E-02	1.36E-02	1.31E-02	1.21E-02	1.08E-02	9.62E-03	8.56E-03	7.62E-03	6.80E-03
TB161	5.57E-05	4.01E-04	3.98E-04	3.97E-04	3.95E-04	3.92E-04	3.88E-04	3.82E-04	3.77E-04	3.73E-04	3.68E-04
TOTAL	1.34E+04	2.63E+03	9.39E+02	5.57E+02	4.18E+02	3.02E+02	2.24E+02	1.81E+02	1.51E+02	1.30E+02	1.13E+02

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ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	1.62E-05	1.60E-05	1.58E-05	1.52E-05	1.42E-05	1.25E-05	1.10E-05	8.45E-06	4.42E-06	1.20E-06	3.27E-07
NA 24	1.60E-01	5.29E-02	1.74E-02	6.26E-04	2.45E-06	3.74E-11	5.71E-16	1.33E-25	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	1.77E-03	1.77E-03	1.77E-03	1.76E-03	1.75E-03	1.74E-03	1.73E-03	1.70E-03	1.64E-03	1.53E-03	1.42E-03
FE 59	6.43E-04	6.34E-04	6.24E-04	5.96E-04	5.51E-04	4.73E-04	4.05E-04	2.98E-04	1.38E-04	2.95E-05	6.34E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.71E-01	7.36E-02	2.01E-02	4.08E-04	6.13E-07	1.39E-12	3.15E-18	1.62E-29	0.	0.	0.
CU 67	7.34E-04	5.60E-04	4.27E-04	1.90E-04	4.95E-05	3.34E-06	2.25E-07	1.02E-09	1.43E-15	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	2.02E-02	1.01E-02	4.99E-03	6.22E-04	1.91E-05	1.82E-08	1.72E-11	1.55E-19	0.	0.	0.
W188	7.63E-05	7.54E-05	7.46E-05	7.25E-05	6.91E-05	6.23E-05	5.64E-05	4.63E-05	2.80E-05	1.03E-05	3.80E-06
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	3.56E-04	2.58E-04	9.89E-05	2.01E-05	8.25E-07	3.38E-08	5.68E-11	6.64E-18	0.	0.	0.
U237	1.49E+00	1.34E+00	1.21E+00	8.90E-01	5.32E-01	1.91E-01	6.84E-02	8.74E-03	5.16E-05	5.55E-09	3.74E-09
U240	4.20E+01	1.29E+01	3.97E+00	1.15E-01	3.16E-04	2.37E-09	1.79E-14	1.01E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.48E-02	2.26E+01	1.68E+01	6.95E+00	1.59E+00	8.32E-02	4.35E-03	1.19E-05	4.70E-12	1.12E-21	1.12E-21
NP240M	6.64E-02	1.30E+01	4.00E+00	1.16E-01	3.18E-04	2.40E-09	1.80E-14	1.02E-24	0.	0.	0.
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12
CM242	1.05E-08	1.04E-08	1.04E-08	1.03E-08	1.00E-08	9.61E-09	9.23E-09	8.47E-09	6.90E-09	4.49E-09	2.93E-09
GE 77	1.36E-02	8.54E-03	1.95E-03	2.36E-05	1.50E-08	6.08E-15	2.45E-21	4.00E-34	0.	0.	0.
AS 77	1.40E-04	2.07E-02	1.50E-02	4.33E-03	5.07E-04	6.88E-06	9.34E-08	1.72E-11	7.99E-21	1.71E-39	3.68E-58
SE 77M	5.53E-09	6.23E-05	4.49E-05	1.30E-05	1.52E-06	2.06E-08	2.80E-10	5.17E-14	2.40E-23	5.12E-42	1.11E-60
AS 78	2.60E-02	2.32E-04	6.78E-09	5.73E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	5.05E-04	3.15E-04	1.97E-04	4.78E-05	4.53E-06	4.07E-08	3.66E-10	2.95E-14	1.72E-24	5.91E-45	2.01E-65
BR 83	3.86E-01	1.02E-02	1.02E-05	1.04E-14	1.06E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.00E-05	4.45E-02	5.05E-05	4.54E-14	4.66E-29	0.	0.	0.	0.	0.	0.
KR 85M	3.79E-03	2.17E-01	4.93E-03	5.86E-08	3.61E-16	1.37E-32	5.20E-49	0.	0.	0.	0.
KR 85	3.92E-06	1.03E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.04E-04	1.01E-04	1.00E-04
KR 87	4.86E+01	9.59E-05	1.90E-10	1.47E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.89E+01	7.62E-02	2.00E-04	3.63E-12	4.57E-25	0.	0.	0.	0.	0.	0.
RB 88	7.36E+00	8.49E-02	2.24E-04	4.06E-12	5.09E-25	0.	0.	0.	0.	0.	0.
SR 89	2.75E-06	8.24E-02	8.12E-02	7.80E-02	7.31E-02	6.39E-02	5.59E-02	4.30E-02	2.20E-02	5.79E-03	1.53E-03
SR 90	5.18E-06	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.28E-04	5.28E-04	5.23E-04
Y 90	7.68E-12	1.22E-04	2.16E-04	3.88E-04	4.95E-04	5.28E-04	5.32E-04	5.32E-04	5.28E-04	5.28E-04	5.23E-04
SR 91	6.23E-01	2.23E+00	4.00E-01	2.29E-03	4.20E-07	1.42E-14	4.82E-22	5.49E-37	0.	0.	0.

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	4.20E-05	1.44E+00	2.58E-01	1.48E-03	2.72E-07	9.17E-15	3.11E-22	3.54E-37	0.	0.	0.
Y 91	1.72E-08	6.86E-02	8.12E-02	8.12E-02	7.65E-02	6.78E-02	6.04E-02	4.78E-02	2.65E-02	8.16E-03	2.51E-03
SR 92	4.73E+00	5.90E-02	1.27E-04	1.28E-12	5.99E-26	0.	0.	0.	0.	0.	0.
Y 92	2.18E-01	6.18E-01	6.87E-03	5.28E-09	3.08E-19	1.05E-39	3.61E-60	0.	0.	0.	0.
Y 93	2.49E-01	1.68E+00	3.29E-01	2.47E-03	7.11E-07	5.87E-14	4.85E-21	3.31E-35	0.	0.	0.
ZR 95	5.05E-04	6.31E-02	6.24E-02	6.04E-02	5.73E-02	5.13E-02	4.63E-02	3.74E-02	2.19E-02	7.55E-03	2.59E-03
NB 95M	1.07E-11	2.14E-04	3.90E-04	7.44E-04	1.00E-03	1.06E-03	9.76E-04	7.92E-04	4.65E-04	1.60E-04	5.51E-05
NB 95	5.62E-11	1.22E-03	2.41E-03	5.78E-03	1.07E-02	1.85E-02	2.39E-02	2.97E-02	2.86E-02	1.37E-02	5.27E-03
ZR 97	1.33E+00	2.27E+00	8.53E-01	4.52E-02	3.40E-04	1.91E-08	1.07E-12	3.40E-21	1.92E-42	0.	0.
NB 97M	6.86E-03	2.18E+00	8.19E-01	4.36E-02	3.26E-04	1.84E-08	1.03E-12	3.26E-21	1.84E-42	0.	0.
NB 97	6.68E-01	2.28E+00	8.56E-01	4.54E-02	3.42E-04	2.06E-08	1.16E-12	3.67E-21	2.06E-42	0.	0.
MO 99	4.05E-03	1.32E+00	1.03E+00	4.88E-01	1.41E-01	1.18E-02	9.83E-04	6.86E-06	2.79E-11	4.59E-22	7.56E-33
TC 99M	3.77E-08	1.16E+00	9.75E-01	4.67E-01	1.35E-01	1.12E-02	9.39E-04	6.55E-06	2.66E-11	4.39E-22	7.22E-33
RU103	9.43E-05	2.15E-01	2.11E-01	2.00E-01	1.84E-01	1.54E-01	1.29E-01	9.12E-02	3.79E-02	6.59E-03	1.15E-03
RH103M	6.28E-09	2.15E-01	2.11E-01	2.01E-01	1.84E-01	1.54E-01	1.29E-01	9.12E-02	3.80E-02	6.59E-03	1.15E-03
RU105	6.15E-01	5.88E-01	1.38E-02	1.82E-07	1.33E-15	7.09E-32	3.80E-48	0.	0.	0.	0.
RH105M	4.04E-03	5.88E-01	1.39E-02	1.82E-07	1.33E-15	7.14E-32	3.81E-48	0.	0.	0.	0.
RH105	6.64E-09	2.12E+00	1.39E+00	3.46E-01	3.41E-02	3.31E-04	3.22E-06	3.04E-10	2.63E-20	1.98E-40	1.49E-60
RU106	5.79E-04	1.10E-02	1.09E-02	1.09E-02	1.08E-02	1.06E-02	1.03E-02	9.96E-03	9.06E-03	7.49E-03	6.21E-03
RH106	6.26E-06	1.10E-02	1.09E-02	1.09E-02	1.08E-02	1.06E-02	1.03E-02	9.96E-03	9.06E-03	7.49E-03	6.21E-03
PD109	1.92E-02	4.88E-01	1.42E-01	3.53E-03	7.43E-06	3.31E-11	1.47E-16	2.92E-27	0.	0.	0.
AG109M	1.11E-04	4.88E-01	1.42E-01	3.53E-03	7.46E-06	3.32E-11	1.47E-16	2.92E-27	0.	0.	0.
PD111M	2.29E+00	1.11E-01	5.41E-03	6.21E-07	1.68E-13	1.22E-26	8.99E-40	0.	0.	0.	0.
PD111	8.17E-01	8.99E-02	4.35E-03	4.99E-07	1.35E-13	9.84E-27	7.22E-40	0.	0.	0.	0.
AG111M	6.49E-03	1.17E-01	5.71E-03	6.57E-07	1.77E-13	1.30E-26	9.50E-40	0.	0.	0.	0.
AG111	2.31E-09	6.38E-02	6.13E-02	4.67E-02	2.94E-02	1.16E-02	4.62E-03	7.29E-04	7.17E-06	6.94E-10	6.73E-14
PD112	6.87E-01	3.12E-01	1.41E-01	1.31E-02	2.49E-04	9.05E-08	3.29E-11	4.31E-18	2.72E-35	0.	0.
AG112	2.07E-05	3.62E-01	1.66E-01	1.55E-02	2.95E-04	1.07E-07	3.87E-11	5.11E-18	3.20E-35	0.	0.
AG113	8.31E-03	8.78E-02	3.80E-03	3.09E-07	4.72E-14	1.11E-27	2.58E-41	0.	0.	0.	0.
CD115M	2.51E-08	7.26E-04	7.14E-04	6.80E-04	6.29E-04	5.34E-04	4.56E-04	3.29E-04	1.47E-04	2.92E-05	5.85E-06
CD115	9.70E-06	1.46E-01	1.07E-01	4.22E-02	8.89E-03	3.97E-04	1.77E-05	3.53E-08	6.24E-15	1.95E-28	6.12E-42
IN115M	1.21E-10	1.54E-01	1.17E-01	4.61E-02	9.70E-03	4.34E-04	1.93E-05	3.85E-08	6.82E-15	2.13E-28	6.68E-42
CD117	2.20E-01	4.79E-03	4.66E-06	4.35E-15	3.87E-30	0.	0.	0.	0.	0.	0.
IN117M	1.06E-05	1.99E-02	2.30E-05	2.22E-14	1.97E-29	0.	0.	0.	0.	0.	0.
IN117	4.25E-10	1.31E-02	1.55E-05	1.50E-14	1.33E-29	0.	0.	0.	0.	0.	0.
SN121	4.49E-03	2.56E-01	1.38E-01	2.18E-02	9.98E-04	2.11E-06	4.44E-09	1.98E-14	8.27E-28	0.	0.
SN123	2.06E-05	2.15E-03	2.13E-03	2.09E-03	2.04E-03	1.92E-03	1.83E-03	1.63E-03	1.24E-03	7.11E-04	4.09E-04
SN125	4.64E-02	4.32E-02	4.01E-02	3.21E-02	2.22E-02	1.06E-02	5.08E-03	1.16E-03	2.91E-05	1.83E-08	1.15E-11
SB125	2.79E-04	3.09E-04	3.38E-04	4.13E-04	5.07E-04	6.13E-04	6.61E-04	6.89E-04	6.75E-04	6.30E-04	5.88E-04
SB126	5.61E-03	5.31E-03	5.03E-03	4.25E-03	3.22E-03	1.85E-03	1.07E-03	3.51E-04	2.19E-05	1.07E-07	2.14E-08

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	4.65E+00	1.68E-03	6.12E-07	2.92E-17	1.83E-34	0.	0.	0.	0.	0.	0.
SB127	5.43E-02	2.23E-01	1.86E-01	1.09E-01	4.46E-02	7.45E-03	1.24E-03	3.48E-05	4.54E-09	7.75E-17	1.32E-24
TE127M	4.39E-10	3.40E-04	6.22E-04	1.21E-03	1.67E-03	1.84E-03	1.77E-03	1.57E-03	1.15E-03	6.06E-04	3.20E-04
TE127	3.06E-02	1.59E-01	1.57E-01	9.54E-02	4.03E-02	8.27E-03	2.83E-03	1.59E-03	1.13E-03	5.99E-04	3.17E-04
SB128	1.02E+00	1.73E-01	2.73E-02	1.07E-04	1.03E-08	9.71E-17	9.13E-25	8.05E-41	0.	0.	0.
SB129	4.66E+00	2.39E-01	4.98E-03	4.54E-08	1.80E-16	2.85E-33	4.50E-50	0.	0.	0.	0.
TE129M	8.81E-08	9.29E-03	9.29E-03	8.76E-03	7.92E-03	6.45E-03	5.25E-03	3.49E-03	1.26E-03	1.64E-04	2.14E-05
TE129	3.36E+00	2.80E-01	1.16E-02	5.61E-03	5.06E-03	4.13E-03	3.37E-03	2.24E-03	8.08E-04	1.05E-04	1.37E-05
I130	2.14E-02	5.60E-03	1.46E-03	2.62E-05	3.20E-08	4.76E-14	7.11E-20	1.58E-31	0.	0.	0.
TE131M	8.32E-05	2.91E-01	1.67E-01	3.16E-02	1.98E-03	7.72E-06	3.02E-08	4.61E-13	4.19E-25	0.	0.
TE131	7.66E+01	5.31E-02	3.05E-02	5.79E-03	3.61E-04	1.41E-06	5.51E-09	8.43E-14	7.66E-26	0.	0.
I131	1.11E-02	6.01E-01	5.68E-01	4.56E-01	3.00E-01	1.27E-01	5.37E-02	9.59E-03	1.30E-04	2.36E-08	4.30E-12
XE131M	3.02E-11	2.78E-04	5.29E-04	1.10E-03	1.58E-03	1.56E-03	1.16E-03	4.78E-04	3.19E-05	9.53E-08	2.69E-10
TE132	9.01E-01	1.78E+00	1.44E+00	7.59E-01	2.61E-01	3.10E-02	3.67E-03	5.16E-05	1.21E-09	6.60E-19	3.60E-28
I132	2.21E+00	1.84E+00	1.48E+00	7.80E-01	2.70E-01	3.19E-02	3.78E-03	5.32E-05	1.24E-09	6.77E-19	3.71E-28
I133	9.14E-01	5.09E+00	2.30E+00	2.13E-01	4.07E-03	1.47E-06	5.34E-10	7.04E-17	4.43E-34	0.	0.
XE133M	3.89E-08	4.81E-02	5.69E-02	3.34E-02	7.84E-03	3.68E-04	1.71E-05	3.72E-08	8.14E-15	3.89E-28	1.86E-41
XE133	6.79E-07	9.24E-01	1.24E+00	1.11E+00	6.04E-01	1.63E-01	4.39E-02	3.16E-03	4.41E-06	8.54E-12	1.66E-17
I135	1.53E+01	2.50E+00	2.08E-01	1.21E-04	4.92E-10	8.13E-21	1.34E-31	3.63E-53	0.	0.	0.
XE135M	1.69E-03	7.78E-01	6.50E-02	3.78E-05	1.54E-10	2.53E-21	4.17E-32	1.13E-53	0.	0.	0.
XE135	1.76E+00	6.72E+00	1.64E+00	9.40E-03	1.15E-06	1.62E-14	2.27E-22	4.48E-38	0.	0.	0.
CS136	1.70E-03	1.61E-03	1.52E-03	1.30E-03	9.95E-04	5.84E-04	3.43E-04	1.18E-04	8.19E-06	3.95E-08	1.91E-10
CS137	7.01E-05	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.51E-04	7.47E-04	7.43E-04
BA137M	1.48E-07	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.01E-04	6.97E-04	6.92E-04
BA139	8.65E+00	9.24E-04	5.45E-09	1.12E-24	0.	0.	0.	0.	0.	0.	0.
BA140	9.25E-02	5.46E-01	5.20E-01	4.40E-01	3.36E-01	1.96E-01	1.14E-01	3.85E-02	2.57E-03	1.14E-05	5.06E-08
LA140	2.20E-07	1.90E-01	3.06E-01	4.23E-01	3.76E-01	2.25E-01	1.31E-01	4.45E-02	2.95E-03	1.32E-05	5.86E-08
LA141	1.16E+00	4.60E-01	6.45E-03	1.79E-08	9.76E-18	2.91E-36	8.69E-55	0.	0.	0.	0.
CE141	1.43E-07	1.59E-01	1.58E-01	1.48E-01	1.33E-01	1.07E-01	8.66E-02	5.64E-02	1.94E-02	2.28E-03	2.69E-04
LA142	5.67E+00	1.24E-03	2.41E-08	1.77E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.70E-02	1.52E+00	9.20E-01	2.03E-01	1.63E-02	1.05E-04	6.82E-07	2.86E-11	3.23E-22	0.	0.
PR143	1.08E-08	9.74E-02	1.52E-01	1.96E-01	1.68E-01	1.02E-01	6.17E-02	2.23E-02	1.78E-03	1.13E-05	7.19E-08
CE144	1.67E-03	1.19E-02	1.19E-02	1.18E-02	1.17E-02	1.14E-02	1.11E-02	1.06E-02	9.36E-03	7.33E-03	5.76E-03
PR144	4.58E-07	1.19E-02	1.19E-02	1.18E-02	1.17E-02	1.14E-02	1.11E-02	1.06E-02	9.36E-03	7.33E-03	5.76E-03
PR145	6.81E-02	6.96E-01	4.31E-02	1.02E-05	9.31E-12	7.71E-24	6.39E-36	0.	0.	0.	0.
ND147	9.32E-06	1.57E-01	1.47E-01	1.22E-01	8.93E-02	4.80E-02	2.56E-02	7.36E-03	3.23E-04	6.29E-07	1.22E-09
PM147	2.59E-14	1.17E-04	2.27E-04	5.18E-04	8.96E-04	1.37E-03	1.62E-03	1.80E-03	1.82E-03	1.69E-03	1.57E-03
ND149	1.64E+01	1.58E-03	1.53E-07	1.40E-19	1.19E-39	0.	0.	0.	0.	0.	0.
PM149	2.28E-03	4.21E-01	3.08E-01	1.20E-01	2.51E-02	1.10E-03	4.76E-05	9.06E-08	1.43E-14	3.53E-28	8.78E-42
PM150	1.85E-01	3.90E-04	8.21E-07	7.71E-15	3.22E-28	0.	0.	0.	0.	0.	0.

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	4.54E-02	3.10E-01	1.71E-01	2.88E-02	1.48E-03	3.87E-06	1.02E-08	7.04E-14	8.83E-27	0.	0.
SM153	1.63E-01	1.14E-01	8.04E-02	2.78E-02	4.72E-03	1.37E-04	3.99E-06	3.35E-09	6.91E-17	2.94E-32	1.25E-47
SM156	1.43E-01	2.44E-02	4.16E-03	2.05E-05	2.95E-09	6.06E-17	1.25E-24	5.33E-40	0.	0.	0.
EU155	5.45E-06	1.85E-04	1.84E-04	1.84E-04	1.84E-04	1.83E-04	1.82E-04	1.81E-04	1.78E-04	1.70E-04	1.64E-04
EU156	4.18E-04	3.40E-03	3.77E-03	3.38E-03	2.68E-03	1.69E-03	1.06E-03	4.22E-04	4.18E-05	4.12E-07	4.06E-09
EU157	1.64E-02	1.89E-02	6.36E-03	2.39E-04	1.00E-06	1.77E-11	3.13E-16	9.74E-26	0.	0.	0.
GD159	3.08E-03	6.05E-03	2.41E-03	1.50E-04	1.48E-06	1.43E-10	1.39E-14	1.30E-22	1.11E-42	0.	0.
TB161	5.57E-05	3.64E-04	3.28E-04	2.43E-04	1.47E-04	5.39E-05	1.97E-05	2.64E-06	1.75E-08	7.56E-13	3.28E-17
TOTAL	2.86E+02	9.90E+01	4.72E+01	1.58E+01	5.85E+00	1.95E+00	1.12E+00	5.94E-01	2.52E-01	8.94E-02	4.59E-02

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM
BOMB FRACTION PER SQ. METER = 7.056E-16

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	1.62E-05	1.40E-07	1.30E-08	1.21E-09	9.72E-13	7.78E-16	5.82E-20	3.73E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	6.43E-04	2.32E-06	1.39E-07	8.38E-09	1.82E-12	3.93E-16	5.12E-21	2.40E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	7.63E-05	1.98E-06	3.21E-07	5.16E-08	2.18E-10	9.13E-13	6.18E-16	1.09E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	1.49E+00	3.71E-09	3.61E-09	3.51E-09	3.29E-09	3.05E-09	2.78E-09	2.41E-09	1.50E-09	7.35E-10	3.61E-10
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.28E-12	5.31E-12	5.31E-12	5.33E-12	5.36E-12	5.31E-12	5.23E-12
CM242	1.05E-08	2.22E-09	1.02E-09	4.70E-10	4.58E-11	4.46E-12	2.00E-13	1.89E-15	5.43E-20	5.06E-20	4.73E-20
KR 85	3.92E-06	9.75E-05	9.44E-05	9.14E-05	8.33E-05	7.52E-05	6.62E-05	5.45E-05	2.88E-05	1.10E-05	4.21E-06
SR 89	2.75E-06	6.43E-04	5.63E-05	4.94E-06	3.33E-09	2.25E-12	1.33E-16	6.03E-23	4.38E-44	0.	0.
SR 90	5.18E-06	5.18E-04	5.14E-04	5.09E-04	4.90E-04	4.71E-04	4.49E-04	4.16E-04	3.26E-04	2.25E-04	1.55E-04
Y 90	7.68E-12	5.18E-04	5.14E-04	5.09E-04	4.90E-04	4.71E-04	4.49E-04	4.16E-04	3.26E-04	2.25E-04	1.55E-04
Y 91	1.72E-08	1.16E-03	1.35E-04	1.57E-05	2.46E-08	3.86E-11	7.06E-15	1.73E-20	3.50E-39	0.	0.
ZR 95	5.05E-04	1.30E-03	1.85E-04	2.63E-05	7.68E-08	2.24E-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	4.74E-12	1.96E-15	1.66E-20	2.03E-37	0.	0.
NB 95	5.62E-11	2.79E-03	4.01E-04	5.71E-05	1.66E-07	4.80E-10	2.01E-13	1.69E-18	2.07E-35	0.	0.
RU103	9.43E-05	3.66E-04	1.50E-05	6.16E-07	4.21E-11	2.88E-15	8.10E-21	3.81E-29	0.	0.	0.
RH103M	6.28E-09	3.67E-04	1.50E-05	6.16E-07	4.21E-11	2.89E-15	8.10E-21	3.81E-29	0.	0.	0.
RU106	5.79E-04	5.50E-03	3.89E-03	2.76E-03	9.82E-04	3.49E-04	8.77E-05	1.11E-05	1.12E-08	3.60E-13	1.16E-17
RH106	6.26E-06	5.50E-03	3.89E-03	2.76E-03	9.82E-04	3.49E-04	8.77E-05	1.11E-05	1.12E-08	3.60E-13	1.16E-17
SN123	2.06E-05	2.85E-04	1.03E-04	3.75E-05	1.80E-06	8.64E-08	1.51E-09	3.47E-12	5.56E-21	3.58E-34	2.30E-47
SB125	2.79E-04	5.61E-04	4.93E-04	4.34E-04	2.96E-04	2.01E-04	1.20E-04	5.57E-05	4.28E-06	9.11E-08	1.94E-09
TE125M	7.51E-12	2.29E-04	2.04E-04	1.79E-04	1.22E-04	8.33E-05	4.98E-05	2.30E-05	1.77E-06	3.77E-08	8.03E-10
TE127M	4.39E-10	2.10E-04	6.57E-05	2.06E-05	6.33E-07	1.95E-08	1.87E-10	1.76E-13	1.45E-23	1.08E-38	8.05E-54
TE127	3.06E-02	2.08E-04	6.50E-05	2.03E-05	6.25E-07	1.92E-08	1.85E-10	1.74E-13	1.43E-23	1.07E-38	7.97E-54
CS137	7.01E-05	7.39E-04	7.30E-04	7.22E-04	6.97E-04	6.71E-04	6.42E-04	6.00E-04	4.74E-04	3.37E-04	2.38E-04
BA137M	1.48E-07	6.92E-04	6.84E-04	6.76E-04	6.50E-04	6.29E-04	6.00E-04	5.62E-04	4.45E-04	3.15E-04	2.23E-04
CE141	1.43E-07	6.18E-05	1.24E-06	2.50E-08	2.03E-13	1.65E-18	2.71E-25	1.80E-35	0.	0.	0.
CE144	1.67E-03	4.91E-03	3.15E-03	2.01E-03	5.28E-04	1.39E-04	2.34E-05	1.61E-06	2.17E-10	3.40E-16	5.31E-22
PR144	4.58E-07	4.91E-03	3.15E-03	2.01E-03	5.28E-04	1.39E-04	2.34E-05	1.61E-06	2.17E-10	3.40E-16	5.31E-22
PM147	2.59E-14	1.50E-03	1.31E-03	1.15E-03	7.75E-04	5.21E-04	3.06E-04	1.39E-04	9.87E-06	1.87E-07	3.53E-09
EU155	5.45E-06	1.60E-04	1.48E-04	1.38E-04	1.11E-04	8.92E-05	6.66E-05	4.30E-05	1.00E-05	1.13E-06	1.27E-07
TOTAL	1.52E+00	3.32E-02	1.98E-02	1.41E-02	6.74E-03	4.19E-03	2.97E-03	2.34E-03	1.62E-03	1.11E-03	7.76E-04

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ROMEO
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

PAGE 2

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.20E+02	1.29E+04
1.00E+00	3.71E+01	2.49E+03
2.00E+00	1.43E+01	9.40E+02
3.00E+00	7.37E+00	5.52E+02
4.00E+00	4.44E+00	3.95E+02
6.00E+00	2.26E+00	2.60E+02
9.00E+00	1.35E+00	1.78E+02
1.20E+01	1.00E+00	1.37E+02
1.50E+01	7.88E-01	1.10E+02
1.80E+01	6.43E-01	9.17E+01
2.10E+01	5.36E-01	7.80E+01
1.00E+00 DAYS	4.51E-01	6.68E+01
2.00E+00	2.04E-01	3.00E+01
5.00E+00	8.57E-02	1.10E+01
1.00E+01	4.04E-02	4.99E+00
2.00E+01	1.56E-02	2.03E+00
3.00E+01	8.49E-03	1.22E+00
5.00E+01	3.48E-03	6.50E-01
1.00E+02	8.27E-04	2.61E-01
2.00E+02	2.08E-04	8.10E-02
3.00E+02	8.87E-05	3.97E-02
1.00E+00 YEARS	6.22E-05	2.99E-02
1.50E+00	3.67E-05	1.90E-02
2.00E+00	2.83E-05	1.42E-02
3.50E+00	1.72E-05	7.51E-03
5.00E+00	1.28E-05	5.04E-03
7.00E+00	1.03E-05	3.82E-03
1.00E+01	8.69E-06	3.17E-03
2.00E+01	6.42E-06	2.33E-03
3.50E+01	4.53E-06	1.61E-03
5.00E+01	3.20E-06	1.12E-03

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.59E-06	4.69E-06	4.69E-06	4.69E-06	4.69E-06	4.68E-06	4.67E-06	4.66E-06	4.65E-06	4.64E-06	4.64E-06
NA 24	4.64E-02	4.44E-02	4.24E-02	4.04E-02	3.86E-02	3.52E-02	3.06E-02	2.67E-02	2.33E-02	2.03E-02	1.76E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04
FE 59	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.85E-04	1.85E-04	1.85E-04	1.84E-04	1.84E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.83E-02	7.41E-02	7.02E-02	6.66E-02	6.30E-02	5.66E-02	4.80E-02	4.09E-02	3.47E-02	2.96E-02	2.51E-02
CU 67	2.13E-04	2.11E-04	2.07E-04	2.05E-04	2.04E-04	1.98E-04	1.91E-04	1.85E-04	1.80E-04	1.73E-04	1.68E-04
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	2.92E-02	2.83E-02	2.75E-02	2.67E-02	2.60E-02	2.45E-02	2.25E-02	2.06E-02	1.89E-02	1.74E-02	1.59E-02
W188	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04
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	7.09E-04	6.99E-04	6.89E-04	6.79E-04	6.69E-04	6.54E-04	6.29E-04	6.05E-04	5.80E-04	5.55E-04	5.35E-04
U237	4.30E-01	4.29E-01	4.27E-01	4.25E-01	4.23E-01	4.19E-01	4.14E-01	4.09E-01	4.03E-01	3.98E-01	3.93E-01
U239	1.25E+03	2.14E+02	3.65E+01	6.22E+00	1.06E+00	3.08E-02	1.52E-04	7.53E-07	3.72E-09	1.84E-11	9.11E-14
U240	1.22E+01	1.16E+01	1.10E+01	1.05E+01	1.00E+01	9.06E+00	7.82E+00	6.73E+00	5.82E+00	5.01E+00	4.32E+00
NP239	4.29E-03	7.20E+00	8.32E+00	8.45E+00	8.38E+00	8.19E+00	7.86E+00	7.59E+00	7.33E+00	7.06E+00	6.80E+00
NP240M	1.92E-02	1.16E+01	1.11E+01	1.06E+01	1.01E+01	9.13E+00	7.88E+00	6.80E+00	5.86E+00	5.06E+00	4.37E+00
NP240	4.87E-10	2.51E-10	1.30E-10	6.71E-11	3.47E-11	9.29E-12	1.28E-12	1.77E-13	2.44E-14	3.36E-15	4.64E-16
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
CM242	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.02E-09	3.02E-09	3.02E-09	3.02E-09	3.02E-09
GE 75	6.12E-05	2.96E-01	1.79E-01	1.08E-01	6.47E-02	2.35E-02	5.12E-03	1.12E-03	2.45E-04	5.34E-05	1.17E-05
GE 77	1.96E-02	5.06E-02	4.76E-02	4.47E-02	4.21E-02	3.72E-02	3.10E-02	2.57E-02	2.15E-02	1.78E-02	1.48E-02
AS 77	2.03E-04	3.21E-02	3.24E-02	3.27E-02	3.29E-02	3.31E-02	3.31E-02	3.29E-02	3.24E-02	3.17E-02	3.09E-02
SE 77M	8.00E-09	9.60E-05	9.75E-05	9.82E-05	9.82E-05	9.89E-05	9.96E-05	9.89E-05	9.75E-05	9.53E-05	9.24E-05
GE 78	2.09E+00	1.31E+00	8.14E-01	5.09E-01	3.18E-01	1.24E-01	3.00E-02	7.27E-03	1.77E-03	4.31E-04	1.05E-04
AS 78	3.77E-02	6.25E-01	7.71E-01	7.22E-01	6.04E-01	3.56E-01	1.32E-01	4.39E-02	1.36E-02	4.07E-03	1.18E-03
AS 79	3.32E+01	3.27E-01	3.22E-03	3.17E-05	3.12E-07	3.03E-11	2.89E-17	2.75E-23	2.63E-29	2.51E-35	2.40E-41
SE 79M	4.92E-02	5.77E-01	5.70E-03	5.61E-05	5.52E-07	5.34E-11	5.09E-17	4.86E-23	4.64E-29	4.43E-35	4.22E-41
BR 80	1.79E-01	1.69E-02	1.59E-03	1.50E-04	1.41E-05	1.25E-07	1.05E-10	8.72E-14	7.26E-17	6.06E-20	5.06E-23
SE 81M	1.39E-01	6.48E+00	3.13E+00	1.50E+00	7.23E-01	1.69E-01	1.89E-02	2.12E-03	2.38E-04	2.66E-05	2.99E-06
SE 81	1.70E+00	7.66E+00	4.43E+00	2.21E+00	1.07E+00	2.51E-01	2.81E-02	3.14E-03	3.52E-04	3.95E-05	4.43E-06
BR 82	7.31E-04	7.17E-04	7.03E-04	6.90E-04	6.76E-04	6.50E-04	6.13E-04	5.77E-04	5.45E-04	5.13E-04	4.84E-04
SE 83	6.73E+01	1.28E+01	2.42E+00	4.58E-01	8.66E-02	3.12E-03	2.12E-05	1.44E-07	9.85E-10	6.67E-12	4.24E-14
BR 83	5.59E-01	8.35E+00	7.73E+00	6.08E+00	4.62E+00	2.61E+00	1.10E+00	4.64E-01	1.96E-01	8.27E-02	3.49E-02
KR 83M	2.89E-05	1.89E+00	3.86E+00	4.80E+00	4.95E+00	4.13E+00	2.43E+00	1.25E+00	6.03E-01	2.79E-01	1.25E-01

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0 100
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	1.29E-01	2.23E+01	6.03E+00	1.63E+00	4.41E-01	3.22E-02	6 37E-04	1.26E-05	2.49E-07	4.92E-09	9.73E-11
KR 85M	5.49E-03	1.18E+01	1.00E+01	8.56E+00	7.31E+00	5.34E+00	3.33E+00	2.08E+00	1.29E+00	8.04E-01	5.02E-01
KR 87	7.04E+01	4.06E+01	2.35E+01	1.36E+01	7.84E+00	2.63E+00	5.10E-01	9.88E-02	1.91E-02	3.70E-03	7.16E-04
KR 88	4.19E+01	3.27E+01	2.55E+01	1.99E+01	1.56E+01	9.45E+00	4.51E+00	2.15E+00	1.02E+00	4.87E-01	2.31E-01
RB 88	1.07E+01	3.31E+01	2.82E+01	2.22E+01	1.74E+01	1.06E+01	5.06E+00	2.41E+00	1.15E+00	5.45E-01	2.59E-01
RB 89	5.20E+01	4.88E+01	3.28E+00	2.21E-01	1.48E-02	6.69E-05	2.03E-08	6.11E-12	1.86E-15	5.64E-19	1.71E-22
SR 89	3.98E-06	1.40E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.48E-01	1.48E-01	1.48E-01	1.48E-01
SR 90	7.50E-06	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04
SR 91	8.00E-01	1.49E+01	1.39E+01	1.29E+01	1.20E+01	1.04E+01	8.40E+00	6.79E+00	5.48E+00	4.40E+00	3.55E+00
Y 91M	5.38E-05	5.13E+00	6.99E+00	7.49E+00	7.39E+00	6.64E+00	5.43E+00	4.37E+00	3.52E+00	2.84E+00	2.29E+00
Y 91	2.20E-08	4.56E-03	1.05E-02	1.68E-02	2.29E-02	3.43E-02	4.88E-02	6.03E-02	6.99E-02	7 74E-02	8.35E-02
SR 92	1.37E+00	6.12E+00	4.74E+00	3.67E+00	2.84E+00	1.70E+00	7.90E-01	3.67E-01	1 70E-01	7.90E-02	3.68E-02
Y 92	6.32E-02	1.29E+00	2.02E+00	2.40E+00	2.55E+00	2.43E+00	1 86E+00	1.27E+00	8.16E-01	5.02E-01	3.03E-01
SR 93	5.92E+01	1.02E+00	5.63E-03	3.11E-05	1.71E-07	5.24E-12	8.84E-19	1.49E-25	2.52E-32	4.24E-39	7.15E-46
Y 93	7.22E-02	2.33E+00	2.19E+00	2.05E+00	1.92E+00	1.67E+00	1.36E+00	1.11E+00	9.04E-01	7.42E-01	6.03E-01
Y 94	8.89E+00	1.22E+01	1.56E+00	2.02E-01	2.60E-02	4.32E-04	9.26E-07	1.99E-09	4.25E-12	9.26E-15	5.14E-16
Y 95	3.89E+01	3.67E+00	8.08E-02	1.78E-03	3.92E-05	1.90E-08	2.04E-13	2.18E-18	2.33E-23	2.49E-28	2.66E-33
ZR 95	1.46E-04	1.91E-02	1.95E-02	1.95E-02	1.95E-02	1.95E-02	1.95E-02	1.94E-02	1.94E-02	1.94E-02	1.94E-02
NB 95	1.63E-11	1.18E-05	2.75E-05	4.32E-05	5.90E-05	9.04E-05	1.37E-04	1.85E-04	2.31E-04	2.78E-04	3.24E-04
ZR 97	3.86E-01	1.68E+00	1.61E+00	1.55E+00	1.48E+00	1.37E+00	1.21E+00	1.07E+00	9.50E-01	8.37E-01	7.44E-01
NB 97M	1.99E-03	1.61E+00	1.55E+00	1.49E+00	1.43E+00	1.32E+00	1.16E+00	1.03E+00	9.10E-01	8.04E-01	7.11E-01
NB 97	1.93E-01	8.44E-01	1.19E+00	1.36E+00	1.42E+00	1.42E+00	1.29E+00	1.15E+00	1.02E+00	8.97E-01	7.97E-01
NB 98	2.20E+00	9.75E-01	4.31E-01	1.91E-01	8.45E-02	1.65E-02	1.43E-03	1.23E-04	1.08E-05	9.31E-07	8.01E-08
MO 99	1.17E-03	4.84E-01	4.79E-01	4.75E-01	4.69E-01	4.60E-01	4.46E-01	4.32E-01	4.19E-01	4.07E-01	3.94E-01
TC 99M	1.09E-08	4.62E-02	8.67E-02	1.23E-01	1.54E-01	2.05E-01	2.61E-01	2.96E-01	3.18E-01	3.30E-01	3.35E-01
MO101	1.84E+02	8.32E+01	4.83E+00	2.80E-01	1.63E-02	5.45E-05	1.06E-08	2.06E-12	4.01E-16	7.78E-20	1.52E-23
TC101	7.78E+00	2.33E+02	2.55E+01	2.09E+00	1.52E-01	6.88E-04	1.72E-07	3.85E-11	8.17E-15	1.68E-18	3.40E-22
MO102	1.71E+03	3.91E+01	8.89E-01	2.03E-02	4.63E-04	2.40E-07	2.86E-12	3.39E-17	4.02E-22	4.77E-27	5.67E-32
TC102M	1.10E+00	3.30E+01	7.57E-01	1.73E-02	3.94E-04	2.04E-07	2.42E-12	2.87E-17	3.40E-22	4.04E-27	4.79E-32
TC102	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
RU103	1.36E-04	3.17E-01	3.16E-01	3.16E-01	3.16E-01	3.15E-01	3.14E-01	3.14E-01	3.13E-01	3.12E-01	3.11E-01
RH103M	9.10E-09	1.64E-01	2.42E-01	2.81E-01	2.99E-01	3.11E-01	3.14E-01	3.14E-01	3.13E-01	3.12E-01	3.12E-01
TC104	1.09E+02	7.84E+01	7.84E+00	7.77E-01	7.68E-02	7.57E-04	7.39E-07	7.22E-10	7.05E-13	6.89E-16	6.73E-19
RU105	8.90E-01	3.08E+01	2.63E+01	2.26E+01	1.93E+01	1.41E+01	8.84E+00	5.52E+00	3.46E+00	2.16E+00	1.36E+00
RH105M	5.86E-03	3.09E+01	2.64E+01	2.26E+01	1.93E+01	1.42E+01	8.84E+00	5.54E+00	3.47E+00	2.17E+00	1.36E+00
RH105	9.62E-09	6.26E-01	1.16E+00	1.61E+00	1.98E+00	2.53E+00	3.02E+00	3.25E+00	3.31E+00	3.28E+00	3.20E+00
RU106	8.38E-04	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02
RH106	9.06E-06	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02
RH107	2.45E-01	3.32E+01	5.04E+00	7.59E-01	1.14E-01	2.61E-03	8.99E-06	3.10E-08	1.07E-10	3.65-146	3.63E-17
PD107M	5.09E-04	6.77E+00	1 02E+00	1.54E-01	2.33E-02	5.31E-04	1.83E-06	6.31E-09	2.17E-11	7.49E-14	2.56E-16

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.77E-02	2.30E+00	2.19E+00	2.07E+00	1.97E+00	1.78E+00	1.53E+00	1.31E+00	1.12E+00	9.61E-01	8.26E-01
AG109M	1.60E-04	2.30E+00	2.19E+00	2.08E+00	1.97E+00	1.78E+00	1.53E+00	1.31E+00	1.12E+00	9.61E-01	8.26E-01
PD111M	3.32E+00	2.93E+00	2.58E+00	2.28E+00	2.01E+00	1.56E+00	1.07E+00	7.33E-01	5.02E-01	3.43E-01	2.36E-01
PD111	1.18E+00	2.13E+00	2.05E+00	1.82E+00	1.61E+00	1.25E+00	8.59E-01	5.89E-01	4.03E-01	2.76E-01	1.90E-01
AG111M	9.40E-03	2.88E+00	2.70E+00	2.42E+00	2.13E+00	1.65E+00	1.13E+00	7.72E-01	5.29E-01	3.63E-01	2.48E-01
AG111	3.35E-09	9.92E-03	2.08E-02	3.06E-02	3.93E-02	5.36E-02	6.88E-02	7.88E-02	8.54E-02	8.95E-02	9.20E-02
PD112	9.94E-01	9.64E-01	9.31E-01	9.00E-01	8.73E-01	8.16E-01	7.40E-01	6.70E-01	6.06E-01	5.49E-01	4.97E-01
AG112	3.00E-05	1.91E-01	3.37E-01	4.52E-01	5.37E-01	6.43E-01	7.06E-01	7.03E-01	6.70E-01	6.25E-01	5.76E-01
AG113	1.20E-02	2.57E+00	2.26E+00	1.98E+00	1.74E+00	1.34E+00	9.05E-01	6.11E-01	4.12E-01	2.78E-01	1.88E-01
AG115	4.45E+00	4.76E+00	5.93E-01	7.41E-02	9.28E-03	1.45E-04	2.83E-07	5.54E-10	1.07E-12	1.07-161	9.88E-16
CD115M	3.63E-08	9.67E-04	1.09E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.09E-03	1.09E-03	1.09E-03
CD115	1.40E-05	2.65E-01	2.85E-01	2.84E-01	2.81E-01	2.73E-01	2.63E-01	2.53E-01	2.43E-01	2.34E-01	2.25E-01
IN115M	1.75E-10	2.92E-02	6.49E-02	9.63E-02	1.23E-01	1.64E-01	2.02E-01	2.23E-01	2.32E-01	2.34E-01	2.33E-01
CD117	3.18E-01	5.30E+00	3.99E+00	2.98E+00	2.24E+00	1.25E+00	5.26E-01	2.22E-01	9.33E-02	3.92E-02	1.65E-02
IN117M	1.53E-05	1.84E+00	2.67E+00	2.90E+00	2.80E+00	2.21E+00	1.26E+00	6.46E-01	3.10E-01	1.44E-01	6.49E-02
IN117	6.16E-10	3.36E-01	8.13E-01	1.13E+00	1.26E+00	1.16E+00	7.39E-01	3.96E-01	1.97E-01	9.25E-02	4.25E-02
CD118	2.11E+01	9.03E+00	3.88E+00	1.65E+00	7.07E-01	1.29E-01	1.02E-02	7.94E-04	6.25E-05	4.89E-06	3.84E-07
IN118	1.40E+00	9.03E+00	3.88E+00	1.66E+00	7.07E-01	1.30E-01	1.02E-02	7.98E-04	6.25E-05	4.89E-06	3.84E-07
CD119	5.26E+01	8.20E-01	1.28E-02	2.00E-04	3.13E-06	7.65E-10	2.92E-15	1.11E-20	4.24E-26	1.62E-31	6.20E-37
IN119M	7.93E-02	8.87E+00	9.65E-01	9.73E-02	9.69E-03	9.54E-05	9.30E-08	9.10E-11	8.87E-14	8.67E-17	8.48E-20
IN119	3.91E+00	4.67E-01	5.42E-02	5.49E-03	5.49E-04	5.38E-06	5.26E-09	5.14E-12	5.02E-15	4.91E-18	4.79E-21
SN121	6.50E-03	6.69E-01	6.50E-01	6.35E-01	6.19E-01	5.89E-01	5.43E-01	5.05E-01	4.67E-01	4.32E-01	4.02E-01
SN123M	3.17E+00	5.93E+00	2.10E+00	7.43E-01	2.62E-01	3.28E-02	1.45E-03	6.42E-05	2.84E-06	1.25E-07	5.54E-09
SN123	2.98E-05	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03
SN125	6.72E-02	6.71E-02	6.69E-02	6.67E-02	6.64E-02	6.60E-02	6.55E-02	6.48E-02	6.43E-02	6.36E-02	6.30E-02
SB125	4.04E-04	4.06E-04	4.07E-04	4.09E-04	4.11E-04	4.14E-04	4.21E-04	4.27E-04	4.32E-04	4.37E-04	4.42E-04
SB126	8.13E-03	8.10E-03	8.09E-03	8.07E-03	8.05E-03	8.01E-03	7.96E-03	7.91E-03	7.84E-03	7.79E-03	7.74E-03
SN127	6.73E+00	4.83E+00	3.47E+00	2.50E+00	1.80E+00	9.29E-01	3.45E-01	1.28E-01	4.76E-02	1.77E-02	6.57E-03
SB127	7.86E-02	2.71E-01	3.00E-01	3.19E-01	3.33E-01	3.47E-01	3.53E-01	3.50E-01	3.44E-01	3.37E-01	3.30E-01
TE127	4.44E-02	5.53E-02	6.71E-02	7.96E-02	9.21E-02	1.15E-01	1.48E-01	1.73E-01	1.92E-01	2.07E-01	2.17E-01
SN128	3.49E+01	1.72E+01	8.52E+00	4.21E+00	2.08E+00	5.08E-01	6.13E-02	7.40E-03	8.93E-04	1.08E-04	1.30E-05
SB128M	1.78E-02	1.96E+01	1.02E+01	5.02E+00	2.48E+00	6.07E-01	7.31E-02	8.82E-03	1.06E-03	1.29E-04	1.55E-05
SB128	1.47E+00	1.42E+00	1.33E+00	1.25E+00	1.17E+00	9.99E-01	7.97E-01	6.33E-01	5.02E-01	3.99E-01	3.16E-01
SN129M	1.80E+01	8.97E+00	4.50E+00	2.25E+00	1.12E+00	2.81E-01	3.52E-02	4.40E-03	5.49E-04	6.87E-05	8.59E-06
SN129	1.20E+02	1.18E+00	1.16E-02	1.15E-04	1.12E-06	1.09E-10	1.04E-16	9.95E-23	9.50E-29	9.04E-35	8.66E-41
SB129	6.75E+00	1.13E+01	1.06E+01	9.50E+00	8.36E+00	6.21E+00	3.87E+00	2.39E+00	1.47E+00	9.12E-01	5.61E-01
TE129M	1.28E-07	1.41E-03	2.91E-03	4.28E-03	5.49E-03	7.45E-03	9.42E-03	1.06E-02	1.14E-02	1.19E-02	1.22E-02
TE129	4.86E+00	6.69E+00	7.83E+00	8.13E+00	7.83E+00	6.48E+00	4.32E+00	2.72E+00	1.69E+00	1.05E+00	6.50E-01
SB130M	6.50E-01	1.23E+00	3.22E-03	8.46E-06	2.23E-08	1.54E-13	2.80E-21	5.09E-29	9.23E-37	1.68E-44	3.05E-52
SB130	1.11E+02	3.37E+01	9.58E+00	2.71E+00	7.68E-01	6.18E-02	1.41E-03	3.21E-05	7.33E-07	1.67E-08	3.81E-10

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.10E-02	2.93E-02	2.78E-02	2.62E-02	2.48E-02	2.22E-02	1.87E-02	1.59E-02	1.34E-02	1.13E-02	9.58E-03
SB131	2.51E+02	6.54E+01	1.07E+01	1.76E+00	2.88E-01	7.76E-03	3.42E-05	1.51E-07	6.64E-10	2.93E-12	1.46E-14
TE131M	1.20E-04	6.30E-01	7.19E-01	7.20E-01	7.06E-01	6.75E-01	6.30E-01	5.87E-01	5.48E-01	5.12E-01	4.77E-01
TE131	1.11E+02	1.20E+02	3.93E+01	1.02E+01	2.48E+00	2.33E-01	1.16E-01	1.07E-01	9.98E-02	9.34E-02	8.70E-02
I131	1.61E-02	5.59E-01	8.22E-01	9.02E-01	9.18E-01	9.26E-01	9.26E-01	9.18E-01	9.18E-01	9.10E-01	9.10E-01
TE132	1.30E+00	3.17E+00	3.14E+00	3.11E+00	3.08E+00	3.03E+00	2.95E+00	2.87E+00	2.80E+00	2.72E+00	2.65E+00
I132	3.20E+00	3.19E+00	3.18E+00	3.17E+00	3.15E+00	3.11E+00	3.03E+00	2.96E+00	2.88E+00	2.81E+00	2.73E+00
TE133M	1.52E-01	5.27E+01	2.29E+01	9.98E+00	4.34E+00	8.25E-01	6.78E-02	5.60E-03	4.61E-04	3.80E-05	3.14E-06
TE133	8.53E+02	4.84E+01	5.38E+00	1.78E+00	7.52E-01	1.42E-01	1.18E-02	9.69E-04	8.03E-05	6.60E-06	5.45E-07
I133	1.32E+00	1.42E+01	1.54E+01	1.54E+01	1.51E+01	1.43E+01	1.30E+01	1.18E+01	1.06E+01	9.69E+00	8.75E+00
XE133M	5.63E-08	3.20E-03	7.74E-03	1.24E-02	1.69E-02	2.53E-02	3.67E-02	4.65E-02	5.48E-02	6.20E-02	6.79E-02
XE133	9.84E-07	5.60E-02	1.36E-01	2.17E-01	2.98E-01	4.51E-01	6.62E-01	8.46E-01	1.01E+00	1.16E+00	1.29E+00
TE134	2.67E+02	1.24E+02	4.60E+01	1.71E+01	6.35E+00	8.80E-01	4.50E-02	2.30E-03	1.18E-04	6.06E-06	3.11E-07
I134	1.22E+02	1.63E+02	1.15E+02	6.71E+01	3.60E+01	9.15E+00	1.01E+00	1.03E-01	1.01E-02	9.64E-04	9.15E-05
I135	2.21E+01	3.90E+01	3.52E+01	3.17E+01	2.86E+01	2.32E+01	1.71E+01	1.25E+01	9.16E+00	6.74E+00	4.92E+00
XE135M	2.45E-03	1.13E+01	1.09E+01	9.93E+00	8.91E+00	7.25E+00	5.33E+00	3.90E+00	2.86E+00	2.10E+00	1.54E+00
XE135	2.55E+00	5.05E+00	7.38E+00	9.29E+00	1.08E+01	1.30E+01	1.44E+01	1.44E+01	1.37E+01	1.25E+01	1.12E+01
CS136	2.45E-03	2.45E-03	2.44E-03	2.44E-03	2.43E-03	2.42E-03	2.40E-03	2.39E-03	2.37E-03	2.36E-03	2.34E-03
CS137	1.01E-04	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03
BA137M	2.14E-07	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03
XE138	8.55E+02	7.36E+01	6.39E+00	5.54E-01	4.80E-02	3.60E-04	2.34E-07	1.52E-10	9.87E-14	6.41E-17	4.17E-20
CS138	1.27E+02	2.14E+02	7.42E+01	2.18E+01	6.11E+00	4.65E-01	9.68E-03	2.01E-04	4.17E-06	8.68E-08	1.80E-09
CS139	6.79E+02	2.17E+01	2.71E-01	3.41E-03	4.28E-05	6.72E-09	1.34E-14	2.64E-20	5.23E-26	1.04E-31	2.05E-37
BA139	1.25E+01	1.40E+02	8.61E+01	5.23E+01	3.17E+01	1.16E+01	2.58E+00	5.72E-01	1.27E-01	2.82E-02	6.26E-03
BA140	1.15E-01	7.17E-01	7.17E-01	7.12E-01	7.12E-01	7.06E-01	7.06E-01	7.01E-01	6.96E-01	6.90E-01	6.85E-01
LA140	2.73E-07	1.20E-02	2.43E-02	3.61E-02	4.76E-02	7.01E-02	1.02E-01	1.33E-01	1.61E-01	1.88E-01	2.13E-01
BA141	1.08E+02	3.28E+01	3.25E+00	3.23E-01	3.20E-02	3.17E-04	3.10E-07	3.02E-10	2.94E-13	2.89E-16	2.81E-19
LA141	1.00E+00	2.12E+01	1.98E+01	1.68E+01	1.41E+01	9.86E+00	5.78E+00	3.38E+00	1.99E+00	1.17E+00	6.84E-01
CE141	1.24E-07	1.38E-02	3.23E-02	4.85E-02	6.22E-02	8.34E-02	1.03E-01	1.15E-01	1.22E-01	1.26E-01	1.28E-01
BA142	7.15E+01	2.84E+00	6.48E-02	1.48E-03	3.37E-05	1.75E-08	2.08E-13	2.47E-18	2.93E-23	3.47E-28	4.12E-33
LA142	1.64E+00	1.14E+01	7.51E+00	4.78E+00	3.04E+00	1.23E+00	3.17E-01	8.18E-02	2.11E-02	5.43E-03	1.40E-03
LA143	2.68E+01	5.24E+00	2.68E-01	1.38E-02	7.09E-04	1.86E-06	2.50E-10	3.37E-14	4.55E-18	6.13E-22	8.28E-26
CE143	1.07E-02	6.83E-01	7.09E-01	6.90E-01	6.77E-01	6.52E-01	6.11E-01	5.74E-01	5.39E-01	5.05E-01	4.75E-01
PR143	3.14E-09	1.05E-03	2.53E-03	3.99E-03	5.43E-03	8.21E-03	1.21E-02	1.58E-02	1.92E-02	2.24E-02	2.53E-02
CE144	4.83E-04	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03
PR144	1.33E-07	3.15E-03	3.44E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03
PR145	1.97E-02	2.90E+00	2.58E+00	2.29E+00	2.05E+00	1.62E+00	1.14E+00	8.06E-01	5.71E-01	4.03E-01	2.85E-01
CE146	6.42E+01	3.29E+00	1.69E-01	8.62E-03	4.44E-04	1.17E-06	1.57E-10	2.12E-14	2.86E-18	3.85E-22	5.19E-26
PR146	1.33E+00	1.15E+01	2.62E+00	4.92E-01	8.84E-02	2.78E-03	1.54E-05	8.47E-08	4.69E-10	2.59E-12	1.42E-14
PR147	7.56E+00	2.19E+00	6.83E-02	2.13E-03	6.67E-05	6.51E-08	1.99E-12	6.08E-17	1.85E-21	5.66E-26	1.72E-30

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.70E-06	5.08E-02	5.22E-02	5.21E-02	5.20E-02	5.17E-02	5.13E-02	5.09E-02	5.05E-02	5.01E-02	4.97E-02
ND149	4.74E+00	3.22E+00	2.19E+00	1.50E+00	1.01E+00	4.70E-01	1.48E-01	4.67E-02	1.47E-02	4.62E-03	1.46E-03
PM149	6.60E-04	5.16E-02	8.56E-02	1.08E-01	1.23E-01	1.38E-01	1.43E-01	1.41E-01	1.37E-01	1.32E-01	1.27E-01
PM150	5.35E-02	4.13E-02	3.20E-02	2.47E-02	1.91E-02	1.15E-02	5.31E-03	2.45E-03	1.14E-03	5.26E-04	2.44E-04
ND151	2.08E+01	6.49E-01	2.03E-02	6.34E-04	1.98E-05	1.94E-08	5.91E-13	1.81E-17	5.50E-22	1.68E-26	5.13E-31
PM151	1.32E-02	1.54E-01	1.55E-01	1.51E-01	1.47E-01	1.40E-01	1.30E-01	1.20E-01	1.12E-01	1.04E-01	9.64E-02
PM152	3.26E+01	3.19E-02	3.11E-05	3.03E-08	2.96E-11	2.83E-17	2.64E-26	2.46E-35	2.29E-44	2.14E-53	1.99E-62
SM153	4.72E-02	4.65E-02	4.59E-02	4.51E-02	4.45E-02	4.32E-02	4.14E-02	3.95E-02	3.78E-02	3.62E-02	3.47E-02
SM155	2.15E+00	3.53E-01	5.78E-02	9.46E-03	1.55E-03	4.18E-05	1.84E-07	8.11E-10	3.58E-12	1.59E-14	3.91E-17
EU155	1.58E-06	4.50E-05	5.21E-05	5.33E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05
SM156	4.14E-02	3.84E-02	3.57E-02	3.32E-02	3.08E-02	2.66E-02	2.13E-02	1.71E-02	1.37E-02	1.10E-02	8.78E-03
EU156	1.21E-04	1.98E-04	2.68E-04	3.34E-04	3.95E-04	5.04E-04	6.41E-04	7.42E-04	8.31E-04	8.96E-04	9.43E-04
EU157	4.74E-03	1.57E-02	1.50E-02	1.43E-02	1.37E-02	1.25E-02	1.09E-02	9.52E-03	8.29E-03	7.22E-03	6.29E-03
EU158	1.50E-01	6.06E-02	2.45E-02	9.93E-03	4.02E-03	6.58E-04	4.38E-05	2.91E-06	1.93E-07	1.28E-08	8.51E-10
EU159	2.08E-01	2.07E-02	2.05E-03	2.03E-04	2.02E-05	1.99E-07	1.94E-10	1.90E-13	1.85E-16	1.81E-19	1.77E-22
GD159	8.91E-04	3.90E-03	4.06E-03	3.93E-03	3.79E-03	3.51E-03	3.13E-03	2.79E-03	2.48E-03	2.21E-03	1.97E-03
TB161	1.61E-05	1.16E-04	1.15E-04	1.15E-04	1.15E-04	1.13E-04	1.12E-04	1.11E-04	1.09E-04	1.08E-04	1.07E-04
TOTAL	1.29E+04	2.49E+03	9.40E+02	5.52E+02	3.95E+02	2.60E+02	1.78E+02	1.37E+02	1.10E+02	9.17E+01	7.80E+01

ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.69E-06	4.64E-06	4.57E-06	4.40E-06	4.12E-06	3.62E-06	3.18E-06	2.45E-06	1.28E-06	3.48E-07	9.46E-08
NA 24	4.64E-02	1.53E-02	5.05E-03	1.81E-04	7.09E-07	1.08E-11	1.65E-16	3.85E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	5.11E-04	5.11E-04	5.11E-04	5.09E-04	5.08E-04	5.05E-04	5.00E-04	4.94E-04	4.74E-04	4.42E-04	4.10E-04
FE 59	1.86E-04	1.83E-04	1.81E-04	1.73E-04	1.60E-04	1.37E-04	1.17E-04	8.63E-05	4.01E-05	8.54E-06	1.83E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.83E-02	2.13E-02	5.82E-03	1.18E-04	1.77E-07	4.03E-13	9.13E-19	4.70E-30	0.	0.	0.
CU 67	2.13E-04	1.62E-04	1.24E-04	5.51E-05	1.43E-05	9.67E-07	6.52E-08	2.96E-10	4.14E-16	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	2.92E-02	1.46E-02	7.22E-03	9.01E-04	2.77E-05	2.64E-08	2.49E-11	2.25E-19	0.	0.	0.
W188	1.10E-04	1.09E-04	1.08E-04	1.05E-04	1.00E-04	9.02E-05	8.17E-05	6.70E-05	4.06E-05	1.50E-05	5.51E-06
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	5.15E-04	3.74E-04	1.43E-04	2.90E-05	1.19E-06	4.90E-08	8.23E-11	9.62E-18	0.	0.	0.
U237	4.30E-01	3.88E-01	3.50E-01	2.58E-01	1.54E-01	5.52E-02	1.98E-02	2.53E-03	1.49E-05	1.61E-09	1.08E-09
U240	1.22E+01	3.75E+00	1.15E+00	3.33E-02	9.15E-05	6.87E-10	5.17E-15	2.92E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	4.29E-03	6.55E+00	4.88E+00	2.01E+00	4.61E-01	2.41E-02	1.26E-03	3.46E-06	1.36E-12	3.25E-22	3.25E-22
NP240M	1.92E-02	3.77E+00	1.16E+00	3.36E-02	9.22E-05	6.94E-10	5.22E-15	2.94E-25	0.	0.	0.
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
CM242	3.04E-09	3.02E-09	3.00E-09	2.97E-09	2.91E-09	2.78E-09	2.67E-09	2.45E-09	2.00E-09	1.30E-09	8.49E-10
GE 77	1.96E-02	1.24E-02	2.83E-03	3.42E-05	2.17E-08	8.80E-15	3.55E-21	5.80E-34	0.	0.	0.
AS 77	2.03E-04	3.00E-02	2.17E-02	6.27E-03	7.35E-04	9.96E-06	1.35E-07	2.49E-11	1.16E-20	2.48E-39	5.32E-58
SE 77M	8.00E-09	9.02E-05	6.50E-05	1.88E-05	2.20E-06	2.99E-08	4.06E-10	7.49E-14	3.47E-23	7.42E-42	1.60E-60
AS 78	3.77E-02	3.35E-04	9.82E-09	8.29E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7.31E-04	4.56E-04	2.85E-04	6.93E-05	6.56E-06	5.90E-08	5.29E-10	4.28E-14	2.50E-24	8.56E-45	2.92E-65
BR 83	5.59E-01	1.47E-02	1.48E-05	1.50E-14	1.54E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.89E-05	6.44E-02	7.32E-05	6.58E-14	6.75E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.49E-03	3.14E-01	7.14E-03	8.48E-08	5.23E-16	1.99E-32	7.53E-49	0.	0.	0.	0.
KR 85	5.68E-06	1.49E-04	1.52E-04	1.52E-04	1.52E-04	1.52E-04	1.52E-04	1.51E-04	1.50E-04	1.47E-04	1.45E-04
KR 87	7.04E+01	1.39E-04	2.75E-10	2.13E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.19E+01	1.10E-01	2.89E-04	5.26E-12	6.62E-25	0.	0.	0.	0.	0.	0.
RB 88	1.07E+01	1.23E-01	3.24E-04	5.88E-12	7.37E-25	0.	0.	0.	0.	0.	0.
SR 89	3.98E-06	1.19E-01	1.18E-01	1.13E-01	1.06E-01	9.25E-02	8.09E-02	6.23E-02	3.18E-02	8.38E-03	2.21E-03
SR 90	7.50E-06	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.64E-04	7.64E-04	7.57E-04
Y 90	1.11E-11	1.77E-04	3.12E-04	5.61E-04	7.16E-04	7.64E-04	7.71E-04	7.71E-04	7.64E-04	7.64E-04	7.57E-04
SR 91	8.00E-01	2.86E+00	5.13E-01	2.94E-03	5.38E-07	1.83E-14	6.19E-22	7.04E-37	0.	0.	0.

ROMEO MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.38E-05	1.85E+00	3.31E-01	1.90E-03	3.49E-07	1.18E-14	3.98E-22	4.55E-37	0.	0.	0.
Y 91	2.20E-08	8.80E-02	1.04E-01	1.04E-01	9.81E-02	8.70E-02	7.74E-02	6.13E-02	3.39E-02	1.05E-02	3.21E-03
SR 92	1.37E+00	1.71E-02	3.68E-05	3.70E-13	1.73E-26	0.	0.	0.	0.	0.	0.
Y 92	6.32E-02	1.79E-01	1.99E-03	1.53E-09	8.92E-20	3.05E-40	1.05E-60	0.	0.	0.	0.
Y 93	7.22E-02	4.88E-01	9.51E-02	7.15E-04	2.06E-07	1.70E-14	1.40E-21	9.58E-36	0.	0.	0.
ZR 95	1.46E-04	1.83E-02	1.81E-02	1.75E-02	1.66E-02	1.49E-02	1.34E-02	1.08E-02	6.35E-03	2.19E-03	7.50E-04
NB 95M	3.11E-12	6.19E-05	1.13E-04	2.15E-04	2.90E-04	3.06E-04	2.83E-04	2.29E-04	1.35E-04	4.63E-05	1.60E-05
NB 95	1.63E-11	3.53E-04	6.99E-04	1.67E-03	3.11E-03	5.37E-03	6.92E-03	8.59E-03	8.27E-03	3.97E-03	1.53E-03
ZR 97	3.86E-01	6.57E-01	2.47E-01	1.31E-02	9.83E-05	5.53E-09	3.11E-13	9.83E-22	5.55E-43	0.	0.
NB 97M	1.99E-03	6.31E-01	2.37E-01	1.26E-02	9.44E-05	5.32E-09	2.99E-13	9.44E-22	5.34E-43	0.	0.
NB 97	1.93E-01	6.60E-01	2.48E-01	1.32E-02	9.90E-05	5.96E-09	3.35E-13	1.06E-21	5.98E-43	0.	0.
MO 99	1.17E-03	3.82E-01	2.98E-01	1.41E-01	4.09E-02	3.42E-03	2.85E-04	1.99E-06	8.07E-12	1.33E-22	2.19E-33
TC 99M	1.09E-08	3.36E-01	2.82E-01	1.35E-01	3.90E-02	3.26E-03	2.72E-04	1.90E-06	7.70E-12	1.27E-22	2.09E-33
RU103	1.36E-04	3.11E-01	3.05E-01	2.90E-01	2.66E-01	2.23E-01	1.87E-01	1.32E-01	5.49E-02	9.54E-03	1.66E-03
RH103M	9.10E-09	3.11E-01	3.06E-01	2.90E-01	2.66E-01	2.23E-01	1.87E-01	1.32E-01	5.50E-02	9.54E-03	1.66E-03
RU105	8.90E-01	8.51E-01	2.00E-02	2.63E-07	1.92E-15	1.03E-31	5.50E-48	0.	0.	0.	0.
RH105M	5.86E-03	8.51E-01	2.01E-02	2.64E-07	1.93E-15	1.03E-31	5.52E-48	0.	0.	0.	0.
RH105	9.62E-09	3.07E+00	2.01E+00	5.00E-01	4.93E-02	4.80E-04	4.66E-06	4.40E-10	3.81E-20	2.87E-40	2.15E-60
RU106	8.38E-04	1.59E-02	1.58E-02	1.57E-02	1.56E-02	1.53E-02	1.50E-02	1.44E-02	1.31E-02	1.08E-02	9.00E-03
RH106	9.06E-06	1.59E-02	1.58E-02	1.57E-02	1.56E-02	1.53E-02	1.50E-02	1.44E-02	1.31E-02	1.08E-02	9.00E-03
PD109	2.77E-02	7.07E-01	2.06E-01	5.11E-03	1.08E-05	4.80E-11	2.14E-16	4.22E-27	0.	0.	0.
AG109M	1.60E-04	7.07E-01	2.06E-01	5.11E-03	1.08E-05	4.80E-11	2.14E-16	4.23E-27	0.	0.	0.
PD111M	3.32E+00	1.61E-01	7.83E-03	8.99E-07	2.43E-13	1.77E-26	1.30E-39	0.	0.	0.	0.
PD111	1.18E+00	1.30E-01	6.30E-03	7.23E-07	1.96E-13	1.43E-26	1.04E-39	0.	0.	0.	0.
AG111M	9.40E-03	1.70E-01	8.27E-03	9.51E-07	2.57E-13	1.88E-26	1.38E-39	0.	0.	0.	0.
AG111	3.35E-09	9.24E-02	8.88E-02	6.76E-02	4.25E-02	1.69E-02	6.69E-03	1.05E-03	1.04E-05	1.01E-09	9.74E-14
PD112	9.94E-01	4.52E-01	2.04E-01	1.90E-02	3.61E-04	1.31E-07	4.76E-11	6.25E-18	3.94E-35	0.	0.
AG112	3.00E-05	5.25E-01	2.41E-01	2.24E-02	4.28E-04	1.55E-07	5.61E-11	7.40E-18	4.64E-35	0.	0.
AG113	1.20E-02	1.27E-01	5.50E-03	4.47E-07	6.84E-14	1.60E-27	3.74E-41	0.	0.	0.	0.
CD115M	3.63E-08	1.05E-03	1.03E-03	9.84E-04	9.10E-04	7.73E-04	6.60E-04	4.76E-04	2.13E-04	4.23E-05	8.47E-06
CD115	1.40E-05	2.11E-01	1.55E-01	6.10E-02	1.29E-02	5.75E-04	2.57E-05	5.12E-08	9.03E-15	2.83E-28	8.86E-42
IN115M	1.75E-10	2.23E-01	1.69E-01	6.67E-02	1.40E-02	6.28E-04	2.80E-05	5.58E-08	9.88E-15	3.09E-28	9.67E-42
CD117	3.18E-01	6.94E-03	6.75E-06	6.31E-15	5.60E-30	0.	0.	0.	0.	0.	0.
IN117M	1.53E-05	2.88E-02	3.34E-05	3.22E-14	2.86E-29	0.	0.	0.	0.	0.	0.
IN117	6.16E-10	1.90E-02	2.25E-05	2.18E-14	1.93E-29	0.	0.	0.	0.	0.	0.
SN121	6.50E-03	3.71E-01	2.00E-01	3.15E-02	1.45E-03	3.05E-06	6.42E-09	2.86E-14	1.20E-27	0.	0.
SN123	2.98E-05	3.11E-03	3.09E-03	3.03E-03	2.95E-03	2.79E-03	2.64E-03	2.37E-03	1.79E-03	1.03E-03	5.93E-04
SN125	6.72E-02	6.25E-02	5.81E-02	4.65E-02	3.21E-02	1.54E-02	7.36E-03	1.68E-03	4.21E-05	2.65E-08	1.66E-11
SB125	4.04E-04	4.48E-04	4.90E-04	5.99E-04	7.34E-04	8.88E-04	9.57E-04	9.97E-04	9.78E-04	9.13E-04	8.51E-04
SB126	8.13E-03	7.69E-03	7.28E-03	6.16E-03	4.67E-03	2.67E-03	1.54E-03	5.08E-04	3.18E-05	1.54E-07	3.10E-08

ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.73E+00	2.44E-03	8.86E-07	4.23E-17	2.65E-34	0.	0.	0.	0.	0.	0.
SB127	7.86E-02	3.23E-01	2.70E-01	1.58E-01	6.45E-02	1.08E-02	1.80E-03	5.04E-05	6.57E-09	1.12E-16	1.91E-24
TE127M	6.36E-10	4.92E-04	9.01E-04	1.75E-03	2.42E-03	2.67E-03	2.57E-03	2.28E-03	1.66E-03	8.77E-04	4.64E-04
TE127	4.44E-02	2.31E-01	2.27E-01	1.38E-01	5.84E-02	1.20E-02	4.10E-03	2.30E-03	1.64E-03	8.68E-04	4.59E-04
SB128	1.47E+00	2.51E-01	3.96E-02	1.54E-04	1.50F-08	1.41E-16	1.32E-24	1.17E-40	0.	0.	0.
SB129	6.75E+00	3.46E-01	7.22E-03	6.57E-08	2.61E-16	4.13E-33	6.51E-50	0.	0.	0.	0.
TE129M	1.28E-07	1.34E-02	1.34E-02	1.27E-02	1.15E-02	9.35E-03	7.60E-03	5.06E-03	1.82E-03	2.38E-04	3.09E-05
TE129	4.86E+00	4.05E-01	1.69E-02	8.13E-03	7.33E-03	5.98E-03	4.88E-03	3.24E-03	1.17E-03	1.53E-04	1.98E-05
I130	3.10E-02	8.10E-03	2.12E-03	3.79E-05	4.63E-08	6.90E-14	1.03E-19	2.29E-31	0.	0.	0.
TE131M	1.20E-04	4.21E-01	2.42E-01	4.58E-02	2.86E-03	1.12E-05	4.37E-08	6.67E-13	6.06E-25	0.	0.
TE131	1.11E+02	7.68E-02	4.41E-02	8.38E-03	5.23E-04	2.04E-06	7.97E-09	1.22E-13	1.11E-25	0.	0.
I131	1.61E-02	8.70E-01	8.22E-01	6.61E-01	4.35E-01	1.84E-01	7.77E-02	1.39E-02	1.88E-04	3.42E-08	6.22E-12
XE131M	4.37E-11	4.03E-04	7.65E-04	1.60E-03	2.28E-03	2.26E-03	1.68E-03	6.92E-04	4.61E-05	1.38E-07	3.89E-10
TE132	1.30E+00	2.58E+00	2.09E+00	1.10E+00	3.79E-01	4.49E-02	5.32E-03	7.47E-05	1.75E-09	9.56E-19	5.22E-28
I132	3.20E+00	2.66E+00	2.15E+00	1.13E+00	3.90E-01	4.62E-02	5.48E-03	7.70E-05	1.80E-09	9.80E-19	5.37E-28
I133	1.32E+00	7.38E+00	3.33E+00	3.09E-01	5.89E-03	2.13E-06	7.74E-10	1.02E-16	6.41E-34	0.	0.
XE133M	5.63E-08	6.96E-02	8.25E-02	4.84E-02	1.14E-02	5.33E-04	2.48E-05	5.38E-08	1.18E-14	5.63E-28	2.70E-41
XE133	9.84E-07	1.34E+00	1.79E+00	1.61E+00	8.75E-01	2.37E-01	6.36E-02	4.58E-03	6.38E-06	1.24E-11	2.40E-17
I135	2.21E+01	3.61E+00	3.02E-01	1.76E-04	7.13E-10	1.18E-20	1.93E-31	5.26E-53	0.	0.	0.
XE135M	2.45E-03	1.13E+00	9.42E-02	5.48E-05	2.23E-10	3.67E-21	6.04E-32	1.64E-53	0.	0.	0.
XE135	2.55E+00	9.74E+00	2.38E+00	1.36E-02	1.67E-06	2.34E-14	3.28E-22	6.49E-38	0.	0.	0.
CS136	2.45E-03	2.33E-03	2.20E-03	1.88E-03	1.44E-03	8.46E-04	4.97E-04	1.71E-04	1.19E-05	5.72E-08	2.77E-10
CS137	1.01E-04	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.08E-03	1.08E-03
BA137M	2.14E-07	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.01E-03	1.00E-03
BA139	1.25E+01	1.34E-03	7.90E-09	1.62E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.15E-01	6.79E-01	6.46E-01	5.48E-01	4.18E-01	2.43E-01	1.41E-01	4.79E-02	3.20E-03	1.42E-05	6.30E-08
LA140	2.73E-07	2.37E-01	3.81E-01	5.26E-01	4.68E-01	2.80E-01	1.63E-01	5.53E-02	3.67E-03	1.64E-05	7.28E-08
LA141	1.00E+00	3.97E-01	5.57E-03	1.54E-08	8.44E-18	2.52E-36	7.51E-55	0.	0.	0.	0.
CE141	1.24E-07	1.37E-01	1.36E-01	1.28E-01	1.15E-01	9.29E-02	7.48E-02	4.88E-02	1.67E-02	1.97E-03	2.32E-04
LA142	1.64E+00	3.60E-04	6.97E-09	5.12E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.07E-02	4.41E-01	2.66E-01	5.87E-02	4.72E-03	3.05E-05	1.98E-07	8.28E-12	9.34E-23	0.	0.
PR143	3.14E-09	2.82E-02	4.39E-02	5.67E-02	4.86E-02	2.96E-02	1.79E-02	6.46E-03	5.17E-04	3.28E-06	2.08E-08
CE144	4.83E-04	3.46E-03	3.44E-03	3.42E-03	3.38E-03	3.30E-03	3.22E-03	3.07E-03	2.71E-03	2.12E-03	1.67E-03
PR144	1.33E-07	3.46E-03	3.44E-03	3.42E-03	3.38E-03	3.30E-03	3.22E-03	3.07E-03	2.71E-03	2.12E-03	1.67E-03
PR145	1.97E-02	2.02E-01	1.25E-02	2.96E-06	2.70E-12	2.23E-24	1.85E-36	0.	0.	0.	0.
ND147	2.70E-06	4.53E-02	4.26E-02	3.54E-02	2.59E-02	1.39E-02	7.42E-03	2.13E-03	9.34E-05	1.82E-07	3.53E-10
PM147	7.49E-15	3.39E-05	6.57E-05	1.50E-04	2.59E-04	3.96E-04	4.68E-04	5.21E-04	5.26E-04	4.90E-04	4.56E-04
ND149	4.74E+00	4.59E-04	4.44E-08	4.05E-20	3.46E-40	0.	0.	0.	0.	0.	0.
PM149	6.60E-04	1.22E-01	8.92E-02	3.48E-02	7.27E-03	3.17E-04	1.38E-05	2.62E-08	4.14E-15	1.02E-28	2.54E-42
PM150	5.35E-02	1.13E-04	2.38E-07	2.23E-15	9.34E-29	0.	0.	0.	0.	0.	0.

1 ROMEO MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.32E-02	8.97E-02	4.95E-02	8.33E-03	4.27E-04	1.12E-06	2.96E-09	2.04E-14	2.56E-27	0.	0.
SM153	4.72E-02	3.32E-02	2.33E-02	8.04E-03	1.37E-03	3.98E-05	1.16E-06	9.70E-10	2.00E-17	8.53E-33	3.62E-48
SM156	4.14E-02	7.06E-03	1.20E-03	5.93E-06	8.54E-10	1.76E-17	3.62E-25	1.54E-40	0.	0.	0.
EU155	1.58E-06	5.35E-05	5.34E-05	5.34E-05	5.33E-05	5.31E-05	5.29E-05	5.24E-05	5.14E-05	4.94E-05	4.74E-05
EU156	1.21E-04	9.85E-04	1.09E-03	9.79E-04	7.77E-04	4.88E-04	3.08E-04	1.22E-04	1.21E-05	1.19E-07	1.17E-09
EU157	4.74E-03	5.48E-03	1.84E-03	6.91E-05	2.90E-07	5.12E-12	9.06E-17	2.82E-26	0.	0.	0.
GD159	8.91E-04	1.75E-03	6.98E-04	4.35E-05	4.28E-07	4.15E-11	4.02E-15	3.77E-23	3.22E-43	0.	0.
TB161	1.61E-05	1.05E-04	9.51E-05	7.04E-05	4.26E-05	1.56E-05	5.71E-06	7.65E-07	5.06E-09	2.19E-13	9.51E-18
TOTAL	3.28E+02	6.68E+01	3.00E+01	1.10E+01	4.99E+00	2.03E+00	1.22E+00	6.50E-01	2.61E-01	8.10E-02	3.97E-02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.69E-06	4.05E-08	3.77E-09	3.50E-10	2.82E-13	2.25E-16	1.69E-20	1.08E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	1.86E-04	6.72E-07	4.03E-08	2.43E-09	5.27E-13	1.14E-16	1.48E-21	6.95E-29	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	1.10E-04	2.87E-06	4.65E-07	7.47E-08	3.15E-10	1.32E-12	8.95E-16	1.58E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.30E-01	1.07E-09	1.05E-09	1.02E-09	9.52E-10	8.84E-10	8.04E-10	6.98E-10	4.34E-10	2.13E-10	1.05E-10
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.53E-12	1.54E-12	1.54E-12	1.54E-12	1.55E-12	1.54E-12	1.52E-12
CM242	3.04E-09	6.43E-10	2.96E-10	1.36E-10	1.33E-11	1.29E-12	5.79E-14	5.47E-16	1.57E-20	1.47E-20	1.37E-20
KR 85	5.68E-06	1.41E-04	1.37E-04	1.32E-04	1.21E-04	1.09E-04	9.58E-05	7.90E-05	4.18E-05	1.59E-05	6.09E-06
SR 89	3.98E-06	9.31E-04	8.15E-05	7.16E-06	4.82E-09	3.25E-12	1.92E-16	8.73E-23	6.34E-44	0.	0.
SR 90	7.50E-06	7.50E-04	7.44E-04	7.37E-04	7.09E-04	6.82E-04	6.49E-04	6.03E-04	4.71E-04	3.25E-04	2.25E-04
Y 90	1.11E-11	7.50E-04	7.44E-04	7.37E-04	7.09E-04	6.82E-04	6.49E-04	6.03E-04	4.71E-04	3.25E-04	2.25E-04
Y 91	2.20E-08	1.49E-03	1.73E-04	2.01E-05	3.15E-08	4.95E-11	9.05E-15	2.22E-20	4.49E-39	0.	0.
ZR 95	1.46E-04	3.76E-04	5.36E-05	7.63E-06	2.22E-08	6.47E-11	2.68E-14	2.26E-19	2.77E-36	0.	0.
NB 95M	3.11E-12	7.95E-06	1.13E-06	1.62E-07	4.71E-10	1.37E-12	5.68E-16	4.79E-21	5.88E-38	0.	0.
NB 95	1.63E-11	8.08E-04	1.16E-04	1.65E-05	4.79E-08	1.39E-10	5.81E-14	4.90E-19	6.01E-36	0.	0.
RU103	1.36E-04	5.30E-04	2.17E-05	8.92E-07	6.09E-11	4.17E-15	1.17E-20	5.51E-29	0.	0.	0.
RH103M	9.10E-09	5.31E-04	2.17E-05	8.92E-07	6.10E-11	4.18E-15	1.17E-20	5.52E-29	0.	0.	0.
RU106	8.38E-04	7.97E-03	5.64E-03	4.00E-03	1.42E-03	5.05E-04	1.27E-04	1.61E-05	1.62E-08	5.21E-13	1.68E-17
RH106	9.06E-06	7.97E-03	5.64E-03	4.00E-03	1.42E-03	5.05E-04	1.27E-04	1.61E-05	1.62E-08	5.21E-13	1.68E-17
SN123	2.98E-05	4.12E-04	1.50E-04	5.44E-05	2.61E-06	1.25E-07	2.18E-09	5.03E-12	8.06E-21	5.19E-34	3.33E-47
SB125	4.04E-04	8.13E-04	7.15E-04	6.29E-04	4.28E-04	2.91E-04	1.74E-04	8.06E-05	6.20E-06	1.32E-07	2.81E-09
TE125M	1.09E-11	3.32E-04	2.95E-04	2.60E-04	1.77E-04	1.21E-04	7.22E-05	3.34E-05	2.56E-06	5.46E-08	1.16E-09
TE127M	6.36E-10	3.04E-04	9.52E-05	2.98E-05	9.16E-07	2.82E-08	2.71E-10	2.55E-13	2.09E-23	1.56E-38	1.17E-53
TE127	4.44E-02	3.01E-04	9.41E-05	2.95E-05	9.05E-07	2.78E-08	2.68E-10	2.53E-13	2.07E-23	1.54E-38	1.15E-53
CS137	1.01E-04	1.07E-03	1.06E-03	1.05E-03	1.01E-03	9.72E-04	9.30E-04	8.69E-04	6.87E-04	4.88E-04	3.45E-04
BA137M	2.14E-07	1.00E-03	9.90E-04	9.78E-04	9.42E-04	9.11E-04	8.69E-04	8.14E-04	6.44E-04	4.56E-04	3 23E-04
CE141	1.24E-07	5.34E-05	1.07E-06	2.16E-08	1.76E-13	1.43E-18	2.35E-25	1.56E-35	0.	0.	0.
CE144	4.83E-04	1.42E-03	9.13E-04	5.83E-04	1.53E-04	4.02E-05	6.76E-06	4.67E-07	6.28E-11	9.86E-17	1.54E-22
PR144	1.33E-07	1.42E-03	9.13E-04	5.83E-04	1.53E-04	4.02E-05	6.76E-06	4.67E-07	6.28E-11	9.86E-17	1.54E-22
PM147	7.49E-15	4.35E-04	3.81E-04	3.34E-04	2.24E-04	1.51E-04	8.86E-05	4.02E-05	2.86E-06	5.41E-08	1.02E-09
EU155	1.58E-06	4.62E-05	4.30E-05	4.00E-05	3.22E-05	2.58E-05	1.93E-05	1.24E-05	2.91E-06	3.27E-07	3.68E-08
TOTAL	4.77E-01	2.99E-02	1.90E-02	1.42E-02	7.51E-03	5.04E-03	3.82E-03	3.17E-03	2.33E-03	1.61E-03	1.12E-03

Appendix D
Detailed Results for Event Yankee

PAGE 2

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

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	8.72E+01	1.37E+04
1.00E+00		2.50E+01	2.72E+03
2.00E+00		9.92E+00	9.38E+02
3.00E+00		5.51E+00	5.60E+02
4.00E+00		3.62E+00	4.33E+02
6.00E+00		2.07E+00	3.27E+02
9.00E+00		1.32E+00	2.53E+02
1.20E+01		1.00E+00	2.08E+02
1.50E+01		8.12E-01	1.77E+02
1.80E+01		6.83E-01	1.53E+02
2.10E+01		5.87E-01	1.35E+02
1.00E+00	DAYS	5.07E-01	1.19E+02
2.00E+00		2.36E-01	5.80E+01
5.00E+00		7.97E-02	1.87E+01
1.00E+01		3.24E-02	6.39E+00
2.00E+01		1.18E-02	1.90E+00
3.00E+01		6.78E-03	1.07E+00
5.00E+01		3.26E-03	5.60E-01
1.00E+02		1.26E-03	2.47E-01
2.00E+02		4.51E-04	9.46E-02
3.00E+02		1.75E-04	4.97E-02
1.00E+00	YEARS	1.01E-04	3.54E-02
1.50E+00		3.07E-05	2.03E-02
2.00E+00		1.74E-05	1.41E-02
3.50E+00		9.20E-06	6.26E-03
5.00E+00		6.59E-06	3.66E-03
7.00E+00		5.22E-06	2.44E-03
1.00E+01		4.37E-06	1.82E-03
2.00E+01		3.21E-06	1.19E-03
3.50E+01		2.26E-06	8.04E-04
5.00E+01		1.59E-06	5.60E-04

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	2.34E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.32E-05	2.32E-05	2.31E-05	2.31E-05
NA 24	2.31E-01	2.21E-01	2.11E-01	2.01E-01	1.92E-01	1.75E-01	1.53E-01	1.33E-01	1.16E-01	1.01E-01	8.74E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03
FE 59	9.28E-04	9.26E-04	9.26E-04	9.26E-04	9.26E-04	9.25E-04	9.24E-04	9.22E-04	9.19E-04	9.18E-04	9.17E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.90E-01	3.69E-01	3.50E-01	3.32E-01	3.14E-01	2.82E-01	2.39E-01	2.03E-01	1.73E-01	1.47E-01	1.25E-01
CU 67	1.06E-03	1.05E-03	1.03E-03	1.02E-03	1.01E-03	9.86E-04	9.50E-04	9.23E-04	8.94E-04	8.60E-04	8.35E-04
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	1.45E-02	1.41E-02	1.37E-02	1.33E-02	1.30E-02	1.22E-02	1.12E-02	1.03E-02	9.39E-03	8.66E-03	7.90E-03
W188	5.50E-05	5.50E-05	5.50E-05	5.49E-05	5.49E-05	5.49E-05	5.47E-05	5.47E-05	5.46E-05	5.46E-05	5.45E-05
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	3.53E-04	3.48E-04	3.43E-04	3.38E-04	3.33E-04	3.26E-04	3.13E-04	3.01E-04	2.89E-04	2.76E-04	2.67E-04
U237	2.14E+00	2.13E+00	2.13E+00	2.12E+00	2.11E+00	2.09E+00	2.06E+00	2.04E+00	2.01E+00	1.98E+00	1.96E+00
U239	6.25E+03	1.07E+03	1.82E+02	3.10E+01	5.26E+00	1.53E-01	7.59E-04	3.75E-06	1.85E-08	9.17E-11	4.54E-13
U240	6.06E+01	5.77E+01	5.49E+01	5.23E+01	4.98E+01	4.51E+01	3.89E+01	3.35E+01	2.90E+01	2.50E+01	2.15E+01
NP239	2.14E-02	3.58E+01	4.14E+01	4.21E+01	4.17E+01	4.08E+01	3.91E+01	3.78E+01	3.65E+01	3.52E+01	3.39E+01
NP240M	9.58E-02	5.79E+01	5.54E+01	5.28E+01	5.03E+01	4.54E+01	3.93E+01	3.39E+01	2.92E+01	2.52E+01	2.17E+01
NP240	2.43E-09	1.25E-09	6.48E-10	3.34E-10	1.73E-10	4.62E-11	6.38E-12	8.80E-13	1.21E-13	1.67E-14	2.31E-15
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12
CM242	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.50E-08	1.50E-08	1.50E-08	1.50E-08	1.50E-08
GE 75	3.05E-05	1.48E-01	8.90E-02	5.36E-02	3.22E-02	1.17E-02	2.55E-03	5.59E-04	1.22E-04	2.66E-05	5.82E-06
GE 77	9.78E-03	2.52E-02	2.37E-02	2.23E-02	2.10E-02	1.85E-02	1.54E-02	1.28E-02	1.07E-02	8.87E-03	7.39E-03
AS 77	1.01E-04	1.60E-02	1.62E-02	1.63E-02	1.64E-02	1.65E-02	1.65E-02	1.64E-02	1.61E-02	1.58E-02	1.54E-02
SE 77M	3.98E-09	4.78E-05	4.85E-05	4.89E-05	4.89E-05	4.93E-05	4.96E-05	4.93E-05	4.85E-05	4.75E-05	4.60E-05
GE 78	1.04E+00	6.52E-01	4.06E-01	2.54E-01	1.58E-01	6.16E-02	1.50E-02	3.62E-03	8.84E-04	2.15E-04	5.21E-05
AS 78	1.88E-02	3.11E-01	3.84E-01	3.60E-01	3.01E-01	1.77E-01	6.59E-02	2.19E-02	6.77E-03	2.02E-03	5.87E-04
AS 79	1.65E+01	1.63E-01	1.60E-03	1.58E-05	1.56E-07	1.51E-11	1.44E-17	1.37E-23	1.31E-29	1.25E-35	1.19E-41
SE 79M	2.45E-02	2.87E-01	2.84E-03	2.79E-05	2.75E-07	2.66E-11	2.54E-17	2.42E-23	2.31E-29	2.20E-35	2.10E-41
BR 80	8.93E-02	8.43E-03	7.92E-04	7.45E-05	7.02E-06	6.22E-08	5.21E-11	4.34E-14	3.62E-17	3.02E-20	2.52E-23
SE 81M	6.92E-02	3.23E+00	1.56E+00	7.49E-01	3.60E-01	8.42E-02	9.42E-03	1.06E-03	1.18E-04	1.33E-05	1.49E-06
SE 81	8.45E-01	3.82E+00	2.21E+00	1.10E+00	5.35E-01	1.25E-01	1.40E-02	1.57E-03	1.75E-04	1.97E-05	2.20E-06
BR 82	3.64E-04	3.57E-04	3.50E-04	3.43E-04	3.36E-04	3.24E-04	3.05E-04	2.89E-04	2.71E-04	2.56E-04	2.41E-04
SE 83	3.35E+01	6.35E+00	1.20E+00	2.28E-01	4.31E-02	1.55E-03	1.06E-05	7.18E-08	4.90E-10	3.32E-12	2.11E-14
BR 83	2.79E-01	4.16E+00	3.85E+00	3.03E+00	2.30E+00	1.30E+00	5.49E-01	2.31E-01	9.77E-02	4.12E-02	1.74E-02
KR 83M	1.44E-05	9.41E-01	1.92E+00	2.39E+00	2.46E+00	2.06E+00	1.21E+00	6.24E-01	3.00E-01	1.39E-01	6.24E-02

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	6.44E-02	1.11E+01	3.00E+00	8.13E-01	2.19E-01	1.61E-02	3.17E-04	6.27E-06	1.24E-07	2.45E-09	4.84E-11
KR 85M	2.73E-03	5.86E+00	4.99E+00	4.26E+00	3.64E+00	2.66E+00	1.66E+00	1.03E+00	6.45E-01	4.01E-01	2.50E-01
KR 87	3.50E+01	2.02E+01	1.17E+01	6.76E+00	3.90E+00	1.31E+00	2.54E-01	4.92E-02	9.53E-03	1.84E-03	3.57E-04
KR 88	2.09E+01	1.63E+01	1.27E+01	9.92E+00	7.75E+00	4.71E+00	2.25E+00	1.07E+00	5.08E-01	2.42E-01	1.15E-01
RB 88	5.30E+00	1.65E+01	1.41E+01	1.11E+01	8.66E+00	5.27E+00	2.52E+00	1.20E+00	5.71E-01	2.72E-01	1.29E-01
RB 89	2.59E+01	2.43E+01	1.63E+00	1.10E-01	7.36E-03	3.33E-05	1.01E-08	3.04E-12	9.27E-16	2.81E-19	8.52E-23
SR 89	1.98E-06	6.96E-02	7.42E-02	7.42E-02	7.42E-02	7.42E-02	7.42E-02	7.39E-02	7.39E-02	7.36E-02	7.36E-02
SR 90	3.74E-06	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04
SR 91	5.14E-01	9.56E+00	8.92E+00	8.30E+00	7.72E+00	6.69E+00	5.40E+00	4.36E+00	3.52E+00	2.83E+00	2.28E+00
Y 91M	3.46E-05	3.30E+00	4.49E+00	4.81E+00	4.75E+00	4.27E+00	3.49E+00	2.81E+00	2.27E+00	1.83E+00	1.47E+00
Y 91	1.42E-08	2.93E-03	6.75E-03	1.08E-02	1.47E-02	2.21E-02	3.13E-02	3.88E-02	4.49E-02	4.98E-02	5.36E-02
SR 92	6.82E+00	3.05E+01	2.36E+01	1.83E+01	1.42E+01	8.47E+00	3.94E+00	1.83E+00	8.47E-01	3.94E-01	1.83E-01
Y 92	3.15E-01	6.41E+00	1.01E+01	1.20E+01	1.27E+01	1.21E+01	9.27E+00	6.32E+00	4.06E+00	2.50E+00	1.51E+00
SR 93	2.95E+02	5.07E+00	2.80E-02	1.55E-04	8.54E-07	2.61E-11	4.40E-18	7.43E-25	1.25E-31	2.11E-38	3.56E-45
Y 93	3.60E-01	1.16E+01	1.09E+01	1.02E+01	9.54E+00	8.33E+00	6.79E+00	5.54E+00	4.50E+00	3.70E+00	3.00E+00
Y 94	4.43E+01	6.05E+01	7.79E+00	1.00E+00	1.30E-01	2.15E-03	4.61E-06	9.89E-09	2.11E-11	4.61E-14	2.56E-15
Y 95	1.94E+02	1.83E+01	4.02E-01	8.87E-03	1.95E-04	9.48E-08	1.02E-12	1.09E-17	1.16E-22	1.24E-27	1.32E-32
ZR 95	7.28E-04	9.51E-02	9.70E-02	9.70E-02	9.70E-02	9.70E-02	9.70E-02	9.67E-02	9.67E-02	9.64E-02	9.64E-02
NB 95	8.11E-11	5.87E-05	1.37E-04	2.15E-04	2.94E-04	4.50E-04	6.83E-04	9.19E-04	1.15E-03	1.38E-03	1.61E-03
ZR 97	1.92E+00	8.37E+00	8.01E+00	7.71E+00	7.38E+00	6.82E+00	6.02E+00	5.33E+00	4.73E+00	4.17E+00	3.71E+00
NB 97M	9.89E-03	8.04E+00	7.71E+00	7.41E+00	7.11E+00	6.55E+00	5.79E+00	5.13E+00	4.53E+00	4.00E+00	3.54E+00
NB 97	9.63E-01	4.20E+00	5.92E+00	6.75E+00	7.08E+00	7.05E+00	6.42E+00	5.72E+00	5.06E+00	4.47E+00	3.97E+00
NB 98	1.10E+01	4.85E+00	2.15E+00	9.49E-01	4.21E-01	8.23E-02	7.12E-03	6.15E-04	5.36E-05	4.64E-06	3.99E-07
MO 99	5.84E-03	2.41E+00	2.39E+00	2.36E+00	2.34E+00	2.29E+00	2.22E+00	2.15E+00	2.09E+00	2.02E+00	1.96E+00
TC 99M	5.43E-08	2.30E-01	4.32E-01	6.10E-01	7.67E-01	1.02E+00	1.30E+00	1.47E+00	1.58E+00	1.64E+00	1.67E+00
MO101	9.18E+01	4.14E+01	2.41E+00	1.39E-01	8.10E-03	2.71E-05	5.27E-09	1.03E-12	1.99E-16	3.87E-20	7.55E-24
TC101	3.87E+00	1.16E+02	1.27E+01	1.04E+00	7.59E-02	3.42E-04	8.56E-08	1.92E-11	4.07E-15	8.37E-19	1.69E-22
MO102	8.53E+02	1.94E+01	4.43E-01	1.01E-02	2.31E-04	1.20E-07	1.42E-12	1.69E-17	2.00E-22	2.37E-27	2.82E-32
TC102M	5.48E-01	1.64E+01	3.77E-01	8.61E-03	1.96E-04	1.01E-07	1.21E-12	1.43E-17	1.69E-22	2.01E-27	2.39E-32
TC102	2.57E+03	9.78E+00	2.23E-01	5.07E-03	1.16E-04	6.05E-08	7.19E-13	8.53E-18	1.01E-22	1.20E-27	1.42E-32
RU103	6.80E-05	1.58E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.55E-01
RH103M	4.53E-09	8.15E-02	1.21E-01	1.40E-01	1.49E-01	1.55E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
TC104	5.44E+01	3.91E+01	3.91E+00	3.87E-01	3.83E-02	3.77E-04	3.68E-07	3.60E-10	3.51E-13	3.43E-16	3.35E-19
RU105	4.43E-01	1.53E+01	1.31E+01	1.12E+01	9.61E+00	7.02E+00	4.40E+00	2.75E+00	1.72E+00	1.08E+00	6.76E-01
RH105M	2.92E-03	1.54E+01	1.31E+01	1.13E+01	9.61E+00	7.06E+00	4.40E+00	2.76E+00	1.73E+00	1.08E+00	6.76E-01
RH105	4.79E-09	3.12E-01	5.79E-01	7.99E-01	9.84E-01	1.26E+00	1.50E+00	1.62E+00	1.65E+00	1.63E+00	1.59E+00
RU106	4.17E-04	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03
RH106	4.51E-06	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03
RH107	1.22E-01	1.66E+01	2.51E+00	3.78E-01	5.70E-02	1.30E-03	4.48E-06	1.54E-08	5.32E-11	1.82-146	1.81E-17
PD107M	2.53E-04	3.37E+00	5.09E-01	7.69E-02	1.16E-02	2.65E-04	9.12E-07	3.14E-09	1.08E-11	3.73E-14	1.27E-16

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.38E-02	1.15E+00	1.09E+00	1.03E+00	9.81E-01	8.85E-01	7.61E-01	6.52E-01	5.59E-01	4.79E-01	4.11E-01
AG109M	7.97E-05	1.15E+00	1.09E+00	1.04E+00	9.83E-01	8.88E-01	7.61E-01	6.52E-01	5.59E-01	4.79E-01	4.11E-01
PD111M	1.65E+00	1.46E+00	1.28E+00	1.14E+00	1.00E+00	7.78E-01	5.32E-01	3.65E-01	2.50E-01	1.71E-01	1.17E-01
PD111	5.89E-01	1.06E+00	1.02E+00	9.07E-01	8.03E-01	6.23E-01	4.28E-01	2.93E-01	2.01E-01	1.38E-01	9.44E-02
AG111M	4.68E-03	1.43E+00	1.35E+00	1.20E+00	1.06E+00	8.21E-01	5.61E-01	3.85E-01	2.64E-01	1.81E-01	1.23E-01
AG111	1.67E-09	4.94E-03	1.04E-02	1.52E-02	1.96E-02	2.67E-02	3.43E-02	3.93E-02	4.25E-02	4.46E-02	4.58E-02
PD112	4.95E-01	4.80E-01	4.64E-01	4.48E-01	4.35E-01	4.06E-01	3.68E-01	3.34E-01	3.02E-01	2.73E-01	2.48E-01
AG112	1.49E-05	9.50E-02	1.68E-01	2.25E-01	2.67E-01	3.20E-01	3.52E-01	3.50E-01	3.34E-01	3.11E-01	2.87E-01
AG113	5.99E-03	1.28E+00	1.12E+00	9.87E-01	8.65E-01	6.66E-01	4.51E-01	3.04E-01	2.05E-01	1.39E-01	9.38E-02
AG115	2.21E+00	2.37E+00	2.95E-01	3.69E-02	4.62E-03	7.22E-05	1.41E-07	2.76E-10	5.34E-13	5.31-162	4.92E-16
CD115M	1.81E-08	4.81E-04	5.41E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.46E-04	5.46E-04	5.45E-04	5.43E-04
CD115	6.99E-06	1.32E-01	1.42E-01	1.41E-01	1.40E-01	1.36E-01	1.31E-01	1.26E-01	1.21E-01	1.17E-01	1.12E-01
IN115M	8.72E-11	1.45E-02	3.23E-02	4.80E-02	6.12E-02	8.15E-02	1.01E-01	1.11E-01	1.16E-01	1.17E-01	1.16E-01
CD117	1.59E-01	2.64E+00	1.99E+00	1.48E+00	1.11E+00	6.24E-01	2.62E-01	1.10E-01	4.65E-02	1.95E-02	8.21E-03
IN117M	7.62E-06	9.18E-01	1.33E+00	1.44E+00	1.39E+00	1.10E+00	6.28E-01	3.21E-01	1.54E-01	7.15E-02	3.23E-02
IN117	3.07E-10	1.67E-01	4.05E-01	5.63E-01	6.28E-01	5.78E-01	3.68E-01	1.97E-01	9.79E-02	4.61E-02	2.12E-02
CD118	1.05E+01	4.50E+00	1.93E+00	8.23E-01	3.52E-01	6.45E-02	5.06E-03	3.95E-04	3.11E-05	2.44E-06	1.91E-07
IN118	6.95E-01	4.50E+00	1.93E+00	8.24E-01	3.52E-01	6.46E-02	5.06E-03	3.97E-04	3.11E-05	2.44E-06	1.91E-07
CD119	2.62E+01	4.08E-01	6.37E-03	9.97E-05	1.56E-06	3.81E-10	1.45E-15	5.55E-21	2.11E-26	8.07E-32	3.09E-37
IN119M	3.95E-02	4.42E+00	4.81E-01	4.85E-02	4.83E-03	4.75E-05	4.63E-08	4.53E-11	4.42E-14	4.32E-17	4.22E-20
IN119	1.95E+00	2.33E-01	2.70E-02	2.74E-03	2.74E-04	2.68E-06	2.62E-09	2.56E-12	2.50E-15	2.44E-18	2.38E-21
SN121	3.24E-03	3.33E-01	3.24E-01	3.16E-01	3.08E-01	2.93E-01	2.70E-01	2.51E-01	2.32E-01	2.15E-01	2.00E-01
SN123M	1.58E+00	2.95E+00	1.05E+00	3.70E-01	1.31E-01	1.63E-02	7.22E-04	3.20E-05	1.41E-06	6.24E-08	2.76E-09
SN123	1.48E-05	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03
SN125	3.35E-02	3.34E-02	3.33E-02	3.32E-02	3.30E-02	3.29E-02	3.26E-02	3.23E-02	3.20E-02	3.16E-02	3.14E-02
SB125	2.01E-04	2.02E-04	2.03E-04	2.04E-04	2.05E-04	2.06E-04	2.10E-04	2.12E-04	2.15E-04	2.18E-04	2.20E-04
SB126	4.05E-03	4.03E-03	4.03E-03	4.02E-03	4.01E-03	3.99E-03	3.96E-03	3.94E-03	3.91E-03	3.88E-03	3.85E-03
SN127	3.35E+00	2.41E+00	1.73E+00	1.25E+00	8.97E-01	4.63E-01	1.72E-01	6.40E-02	2.37E-02	8.81E-03	3.27E-03
SB127	3.91E-02	1.35E-01	1.49E-01	1.59E-01	1.66E-01	1.73E-01	1.76E-01	1.74E-01	1.71E-01	1.68E-01	1.64E-01
TE127	2.21E-02	2.75E-02	3.34E-02	3.97E-02	4.58E-02	5.75E-02	7.36E-02	8.60E-02	9.57E-02	1.03E-01	1.08E-01
SN128	1.74E+01	8.57E+00	4.24E+00	2.10E+00	1.04E+00	2.53E-01	3.05E-02	3.68E-03	4.44E-04	5.39E-05	6.49E-06
SB128M	8.84E-03	9.76E+00	5.07E+00	2.50E+00	1.23E+00	3.02E-01	3.64E-02	4.39E-03	5.30E-04	6.40E-05	7.74E-06
SB128	7.32E-01	7.05E-01	6.63E-01	6.22E-01	5.80E-01	4.97E-01	3.97E-01	3.15E-01	2.50E-01	1.99E-01	1.58E-01
SN129M	8.97E+00	4.46E+00	2.24E+00	1.12E+00	5.60E-01	1.40E-01	1.75E-02	2.19E-03	2.74E-04	3.42E-05	4.28E-06
SN129	5.98E+01	5.86E-01	5.79E-03	5.71E-05	5.60E-07	5.45E-11	5.18E-17	4.96E-23	4.73E-29	4.50E-35	4.31E-41
SB129	3.36E+00	5.04E+00	5.30E+00	4.73E+00	4.16E+00	3.09E+00	1.93E+00	1.19E+00	7.34E-01	4.54E-01	2.79E-01
TE129M	6.36E-08	7.04E-04	1.45E-03	2.13E-03	2.74E-03	3.71E-03	4.69E-03	5.30E-03	5.68E-03	5.90E-03	6.05E-03
TE129	2.42E+00	3.33E+00	3.90E+00	4.05E+00	3.90E+00	3.23E+00	2.15E+00	1.35E+00	8.44E-01	5.22E-01	3.24E-01
SB130M	3.24E-01	6.11E-01	1.60E-03	4.21E-06	1.11E-08	7.65E-14	1.39E-21	2.53E-29	4.60E-37	8.35E-45	1.52E-52
SB130	5.54E+01	1.68E+01	4.77E+00	1.35E+00	3.83E-01	3.08E-02	7.02E-04	1.60E-05	3.65E-07	8.32E-09	1.90E-10

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.54E-02	1.46E-02	1.38E-02	1.31E-02	1.24E-02	1.11E-02	9.33E-03	7.90E-03	6.67E-03	5.65E-03	4.77E-03
SB131	1.25E+02	3.26E+01	5.33E+00	8.74E-01	1.43E-01	3.86E-03	1.70E-05	7.51E-08	3.31E-10	1.46E-12	7.27E-15
TE131M	6.00E-05	3.14E-01	3.58E-01	3.58E-01	3.52E-01	3.36E-01	3.14E-01	2.92E-01	2.73E-01	2.55E-01	2.38E-01
TE131	5.52E+01	6.00E+01	1.96E+01	5.09E+00	1.24E+00	1.16E-01	5.76E-02	5.33E-02	4.97E-02	4.65E-02	4.33E-02
I131	8.03E-03	2.78E-01	4.09E-01	4.49E-01	4.57E-01	4.61E-01	4.61E-01	4.57E-01	4.57E-01	4.53E-01	4.53E-01
TE132	6.49E-01	1.58E+00	1.56E+00	1.55E+00	1.53E+00	1.51E+00	1.47E+00	1.43E+00	1.39E+00	1.35E+00	1.32E+00
I132	1.59E+00	1.59E+00	1.59E+00	1.58E+00	1.57E+00	1.55E+00	1.51E+00	1.47E+00	1.43E+00	1.40E+00	1.36E+00
TE133M	7.56E-02	2.62E+01	1.14E+01	4.97E+00	2.16E+00	4.11E-01	3.38E-02	2.79E-03	2.30E-04	1.89E-05	1.56E-06
TE133	4.25E+02	2.41E+01	2.68E+00	8.86E-01	3.75E-01	7.10E-02	5.87E-03	4.83E-04	4.00E-05	3.29E-06	2.71E-07
I133	6.59E-01	7.10E+00	7.67E+00	7.67E+00	7.53E+00	7.13E+00	6.48E+00	5.87E+00	5.29E+00	4.83E+00	4.36E+00
XE133M	2.81E-08	1.60E-03	3.85E-03	6.16E-03	8.39E-03	1.26E-02	1.83E-02	2.32E-02	2.73E-02	3.09E-02	3.38E-02
XE133	4.90E-07	2.79E-02	6.77E-02	1.08E-01	1.48E-01	2.25E-01	3.30E-01	4.21E-01	5.04E-01	5.76E-01	6.41E-01
TE134	1.33E+02	6.15E+01	2.29E+01	8.52E+00	3.16E+00	4.38E-01	2.24E-02	1.15E-03	5.88E-05	3.02E-06	1.55E-07
I134	6.08E+01	8.14E+01	5.70E+01	3.34E+01	1.79E+01	4.55E+00	5.01E-01	5.11E-02	5.01E-03	4.80E-04	4.55E-05
I135	1.10E+01	1.94E+01	1.75E+01	1.58E+01	1.43E+01	1.16E+01	8.49E+00	6.21E+00	4.56E+00	3.36E+00	2.45E+00
XE135M	1.22E-03	5.61E+00	5.45E+00	4.94E+00	4.44E+00	3.61E+00	2.65E+00	1.94E+00	1.43E+00	1.05E+00	7.67E-01
XE135	1.27E+00	2.51E+00	3.68E+00	4.63E+00	5.39E+00	6.46E+00	7.16E+00	7.19E+00	6.84E+00	6.24E+00	5.58E+00
CS136	1.22E-03	1.22E-03	1.22E-03	1.21E-03	1.21E-03	1.20E-03	1.20E-03	1.19E-03	1.18E-03	1.17E-03	1.17E-03
CS137	5.05E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04
BA137M	1.07E-07	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04
XE138	4.26E+02	3.66E+01	3.18E+00	2.76E-01	2.39E-02	1.79E-04	1.16E-07	7.56E-11	4.92E-14	3.19E-17	2.08E-20
CS138	6.34E+01	1.07E+02	3.70E+01	1.09E+01	3.04E+00	2.32E-01	4.82E-03	1.00E-04	2.08E-06	4.32E-08	8.94E-10
CS139	3.38E+02	1.08E+01	1.35E-01	1.70E-03	2.13E-05	3.35E-09	6.66E-15	1.32E-20	2.61E-26	5.17E-32	1.02E-37
BA139	6.24E+00	6.95E+01	4.29E+01	2.61E+01	1.58E+01	5.78E+00	1.28E+00	2.85E-01	6.34E-02	1.40E-02	3.12E-03
BA140	7.85E-02	4.89E-01	4.89E-01	4.86E-01	4.86E-01	4.82E-01	4.82E-01	4.78E-01	4.74E-01	4.71E-01	4.67E-01
LA140	1.86E-07	8.37E-03	1.66E-02	2.46E-02	3.25E-02	4.78E-02	6.99E-02	9.04E-02	1.10E-01	1.28E-01	1.45E-01
BA141	1.36E+02	4.11E+01	4.08E+00	4.05E-01	4.01E-02	3.98E-04	3.88E-07	3.79E-10	3.69E-13	3.63E-16	3.53E-19
LA141	1.26E+00	2.66E+01	2.48E+01	2.10E+01	1.76E+01	1.24E+01	7.25E+00	4.24E+00	2.50E+00	1.46E+00	8.58E-01
CE141	1.55E-07	1.73E-02	4.05E-02	6.09E-02	7.80E-02	1.05E-01	1.30E-01	1.44E-01	1.53E-01	1.58E-01	1.60E-01
BA142	3.56E+02	1.41E+01	3.23E-01	7.36E-03	1.68E-04	8.72E-08	1.03E-12	1.23E-17	1.46E-22	1.73E-27	2.05E-32
LA142	8.17E+00	5.67E+01	3.74E+01	2.38E+01	1.51E+01	6.12E+00	1.58E+00	4.07E-01	1.05E-01	2.70E-02	6.97E-03
LA143	1.34E+02	2.61E+01	1.34E+00	6.87E-02	3.53E-03	9.24E-06	1.25E-09	1.68E-13	2.26E-17	3.05E-21	4.12E-25
CE143	5.34E-02	3.40E+00	3.53E+00	3.43E+00	3.37E+00	3.25E+00	3.04E+00	2.86E+00	2.68E+00	2.52E+00	2.36E+00
PR143	1.56E-08	5.21E-03	1.26E-02	1.99E-02	2.70E-02	4.09E-02	6.03E-02	7.87E-02	9.56E-02	1.11E-01	1.26E-01
CE144	2.41E-03	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.72E-02	1.72E-02	1.72E-02	1.72E-02	1.72E-02
PR144	6.61E-07	1.57E-02	1.71E-02	1.72E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.72E-02	1.72E-02	1.72E-02
PR145	9.82E-02	1.44E+01	1.28E+01	1.14E+01	1.02E+01	8.07E+00	5.69E+00	4.02E+00	2.84E+00	2.01E+00	1.42E+00
CE146	3.19E+02	1.64E+01	8.40E-01	4.29E-02	2.21E-03	5.82E-06	7.84E-10	1.06E-13	1.42E-17	1.92E-21	2.59E-25
PR146	6.61E+00	5.75E+01	1.30E+01	2.45E+00	4.40E-01	1.38E-02	7.65E-05	4.22E-07	2.34E-09	1.29E-11	7.05E-14
PR147	3.77E+01	1.09E+01	3.40E-01	1.06E-02	3.32E-04	3.24E-07	9.90E-12	3.03E-16	9.22E-21	2.82E-25	8.59E-30

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.34E-05	2.53E-01	2.60E-01	2.60E-01	2.59E-01	2.58E-01	2.56E-01	2.54E-01	2.52E-01	2.50E-01	2.48E-01
ND149	2.36E+01	1.61E+01	1.09E+01	7.45E+00	5.04E+00	2.34E+00	7.36E-01	2.32E-01	7.32E-02	2.30E-02	7.27E-03
PM149	3.29E-03	2.57E-01	4.26E-01	5.40E-01	6.11E-01	6.87E-01	7.14E-01	7.00E-01	6.83E-01	6.56E-01	6.33E-01
PM150	2.66E-01	2.06E-01	1.59E-01	1.23E-01	9.51E-02	5.71E-02	2.64E-02	1.22E-02	5.67E-03	2.62E-03	1.21E-03
ND151	1.03E+02	3.23E+00	1.01E-01	3.16E-03	9.88E-05	9.64E-08	2.94E-12	9.00E-17	2.74E-21	8.35E-26	2.56E-30
PM151	6.55E-02	7.66E-01	7.71E-01	7.52E-01	7.34E-01	6.97E-01	6.46E-01	6.00E-01	5.58E-01	5.17E-01	4.80E-01
PM152	1.62E+02	1.59E-01	1.55E-04	1.51E-07	1.48E-10	1.41E-16	1.31E-25	1.22E-34	1.14E-43	1.07E-52	9.90E-62
SM153	2.35E-01	2.31E-01	2.28E-01	2.25E-01	2.22E-01	2.15E-01	2.06E-01	1.97E-01	1.88E-01	1.80E-01	1.73E-01
SM155	1.07E+01	1.76E+00	2.88E-01	4.71E-02	7.72E-03	2.08E-04	9.17E-07	4.04E-09	1.78E-11	7.93E-14	1.95E-16
EU155	7.86E-06	2.24E-04	2.60E-04	2.65E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04
SM156	2.06E-01	1.91E-01	1.78E-01	1.65E-01	1.53E-01	1.32E-01	1.06E-01	8.51E-02	6.82E-02	5.47E-02	4.37E-02
EU156	6.03E-04	9.84E-04	1.34E-03	1.66E-03	1.97E-03	2.51E-03	3.19E-03	3.69E-03	4.14E-03	4.46E-03	4.70E-03
EU157	2.36E-02	7.82E-02	7.47E-02	7.14E-02	6.80E-02	6.22E-02	5.43E-02	4.74E-02	4.13E-02	3.59E-02	3.13E-02
EU158	7.45E-01	3.02E-01	1.22E-01	4.94E-02	2.00E-02	3.27E-03	2.18E-04	1.45E-05	9.61E-07	6.38E-08	4.24E-09
EU159	1.04E+00	1.03E-01	1.02E-02	1.01E-03	1.00E-04	9.90E-07	9.67E-10	9.44E-13	9.21E-16	9.01E-19	8.80E-22
GD159	4.43E-03	1.04E-02	2.02E-02	1.96E-02	1.89E-02	1.75E-02	1.56E-02	1.39E-02	1.23E-02	1.10E-02	9.81E-03
TB161	8.03E-05	5.78E-04	5.74E-04	5.72E-04	5.70E-04	5.65E-04	5.59E-04	5.51E-04	5.44E-04	5.38E-04	5.31E-04
TOTAL	1.37E+04	2.72E+03	9.38E+02	5.60E+02	4.33E+02	3.27E+02	2.53E+02	2.08E+02	1.77E+02	1.53E+02	1.35E+02

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	2.34E-05	2.31E-05	2.28E-05	2.19E-05	2.05E-05	1.80E-05	1.58E-05	1.22E-05	6.37E-06	1.73E-06	4.71E-07
NA 24	2.31E-01	7.63E-02	2.52E-02	9.02E-04	3.53E-06	5.39E-11	8.23E-16	1.92E-25	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	2.55E-03	2.55E-03	2.55E-03	2.53E-03	2.53E-03	2.52E-03	2.49E-03	2.46E-03	2.36E-03	2.20E-03	2.04E-03
FE 59	9.28E-04	9.14E-04	9.00E-04	8.59E-04	7.95E-04	6.82E-04	5.85E-04	4.30E-04	1.99E-04	4.25E-05	9.14E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	3.90E-01	1.06E-01	2.90E-02	5.89E-04	8.83E-07	2.01E-12	4.55E-18	2.34E-29	0.	0.	0.
CU 67	1.06E-03	8.07E-04	6.16E-04	2.74E-04	7.14E-05	4.81E-06	3.25E-07	1.48E-09	2.06E-15	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	1.45E-02	7.26E-03	3.60E-03	4.49E-04	1.38E-05	1.31E-08	1.24E-11	1.12E-19	0.	0.	0.
W188	5.50E-05	5.43E-05	5.38E-05	5.23E-05	4.98E-05	4.49E-05	4.07E-05	3.34E-05	2.02E-05	7.46E-06	2.74E-06
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	2.57E-04	1.86E-04	7.13E-05	1.45E-05	5.95E-07	2.44E-08	4.10E-11	4.79E-18	0.	0.	0.
U237	2.14E+00	1.93E+00	1.74E+00	1.28E+00	7.67E-01	2.75E-01	9.86E-02	1.26E-02	7.44E-05	8.00E-09	5.39E-09
U240	6.05E+01	1.87E+01	5.72E+00	1.66E-01	4.56E-04	3.42E-09	2.58E-14	1.45E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.14E-02	3.26E+01	2.43E+01	1.00E+01	2.29E+00	1.20E-01	6.28E-03	1.72E-05	6.77E-12	1.62E-21	1.62E-21
NP240M	9.58E-02	1.88E+01	5.77E+00	1.67E-01	4.59E-04	3.46E-09	2.60E-14	1.47E-24	0.	0.	0.
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.58E-12
CM242	1.51E-08	1.50E-08	1.50E-08	1.48E-08	1.45E-08	1.39E-08	1.33E-08	1.22E-08	9.95E-09	6.47E-09	4.23E-09
GE 77	9.78E-03	6.16E-03	1.41E-03	1.70E-05	1.08E-08	4.38E-15	1.77E-21	2.89E-34	0.	0.	0.
AS 77	1.01E-04	1.49E-02	1.08E-02	3.12E-03	3.66E-04	4.96E-06	6.74E-08	1.24E-11	5.76E-21	1.24E-39	2.65E-58
SE 77M	3.98E-09	4.49E-05	3.23E-05	9.38E-06	1.09E-06	1.49E-08	2.02E-10	3.73E-14	1.73E-23	3.69E-42	7.97E-61
AS 78	1.88E-02	1.67E-04	4.89E-09	4.13E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	3.64E-04	2.27E-04	1.42E-04	3.45E-05	3.27E-06	2.94E-08	2.64E-10	2.13E-14	1.24E-24	4.27E-45	1.45E-65
BR 83	2.79E-01	7.34E-03	7.37E-06	7.49E-15	7.65E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.44E-05	3.21E-02	3.64E-05	3.28E-14	3.36E-29	0.	0.	0.	0.	0.	0.
KR 85M	2.73E-03	1.56E-01	3.56E-03	4.22E-08	2.60E-16	9.90E-33	3.75E-49	0.	0.	0.	0.
KR 85	2.83E-06	7.43E-05	7.57E-05	7.57E-05	7.57E-05	7.57E-05	7.57E-05	7.54E-05	7.46E-05	7.32E-05	7.21E-05
KR 87	3.50E+01	6.92E-05	1.37E-10	1.06E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.09E+01	5.49E-02	1.44E-04	2.62E-12	3.30E-25	0.	0.	0.	0.	0.	0.
RB 88	5.30E+00	6.12E-02	1.61E-04	2.93E-12	3.67E-25	0.	0.	0.	0.	0.	0.
SR 89	1.98E-06	5.94E-02	5.85E-02	5.62E-02	5.27E-02	4.61E-02	4.03E-02	3.10E-02	1.59E-02	4.17E-03	1.10E-03
SR 90	3.74E-06	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.80E-04	3.80E-04	3.77E-04
Y 90	5.54E-12	8.80E-05	1.56E-04	2.80E-04	3.57E-04	3.80E-04	3.84E-04	3.84E-04	3.80E-04	3.80E-04	3.77E-04
SR 91	5.14E-01	1.84E+00	3.30E-01	1.89E-03	3.46E-07	1.17E-14	3.97E-22	4.52E-37	0.	0.	0.

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.46E-05	1.19E+00	2.13E-01	1.22E-03	2.24E-07	7.56E-15	2.56E-22	2.92E-37	0.	0.	0.
Y 91	1.42E-08	5.65E-02	6.69E-02	6.69E-02	6.30E-02	5.59E-02	4.98E-02	3.94E-02	2.18E-02	6.72E-03	2.06E-03
SR 92	6.82E+00	8.51E-02	1.83E-04	1.84E-12	8.63E-26	0.	0.	0.	0.	0.	0.
Y 92	3.15E-01	8.92E-01	9.90E-03	7.62E-09	4.44E-19	1.52E-39	5.20E-60	0.	0.	0.	0.
Y 93	3.60E-01	2.43E+00	4.74E-01	3.56E-03	1.02E-06	8.47E-14	6.99E-21	4.77E-35	0.	0.	0.
ZR 95	7.28E-04	9.10E-02	9.00E-02	8.71E-02	8.27E-02	7.41E-02	6.67E-02	5.39E-02	3.16E-02	1.09E-02	3.73E-03
NB 95M	1.55E-11	3.08E-04	5.62E-04	1.07E-03	1.45E-03	1.53E-03	1.41E-03	1.14E-03	6.70E-04	2.31E-04	7.95E-05
NB 95	8.11E-11	1.76E-03	3.48E-03	8.33E-03	1.55E-02	2.67E-02	3.45E-02	4.28E-02	4.12E-02	1.98E-02	7.60E-03
ZR 97	1.92E+00	3.27E+00	1.23E+00	6.52E-02	4.90E-04	2.76E-08	1.55E-12	4.90E-21	2.76E-42	0.	0.
NB 97M	9.89E-03	3.14E+00	1.18E+00	6.29E-02	4.70E-04	2.65E-08	1.49E-12	4.70E-21	2.66E-42	0.	0.
NB 97	9.63E-01	3.29E+00	1.23E+00	6.55E-02	4.93E-04	2.97E-08	1.67E-12	5.29E-21	2.98E-42	0.	0.
MO 99	5.84E-03	1.90E+00	1.48E+00	7.03E-01	2.04E-01	1.70E-02	1.42E-03	9.90E-06	4.02E-11	6.62E-22	1.09E-32
TC 99M	5.43E-08	1.67E+00	1.41E+00	6.74E-01	1.94E-01	1.62E-02	1.35E-03	9.45E-06	3.83E-11	6.33E-22	1.04E-32
RU103	6.80E-05	1.55E-01	1.52E-01	1.44E-01	1.32E-01	1.11E-01	9.32E-02	6.58E-02	2.74E-02	4.75E-03	8.28E-04
RH103M	4.53E-09	1.55E-01	1.52E-01	1.45E-01	1.32E-01	1.11E-01	9.32E-02	6.58E-02	2.74E-02	4.75E-03	8.28E-04
RU105	4.43E-01	4.24E-01	9.97E-03	1.31E-07	9.58E-16	5.11E-32	2.74E-48	0.	0.	0.	0.
RH105M	2.92E-03	4.24E-01	1.00E-02	1.31E-07	9.61E-16	5.15E-32	2.75E-48	0.	0.	0.	0.
RH105	4.79E-09	1.53E+00	1.00E+00	2.49E-01	2.46E-02	2.39E-04	2.32E-06	2.19E-10	1.90E-20	1.43E-40	1.07E-60
RU106	4.17E-04	7.90E-03	7.86E-03	7.83E-03	7.76E-03	7.63E-03	7.45E-03	7.18E-03	6.53E-03	5.40E-03	4.48E-03
RH106	4.51E-06	7.90E-03	7.86E-03	7.83E-03	7.76E-03	7.63E-03	7.45E-03	7.18E-03	6.53E-03	5.40E-03	4.48E-03
PD109	1.38E-02	3.52E-01	1.02E-01	2.54E-03	5.36E-06	2.39E-11	1.06E-16	2.10E-27	0.	0.	0.
AG109M	7.97E-05	3.52E-01	1.03E-01	2.55E-03	5.38E-06	2.39E-11	1.06E-16	2.11E-27	0.	0.	0.
PD111M	1.65E+00	8.03E-02	3.90E-03	4.48E-07	1.21E-13	8.83E-27	6.48E-40	0.	0.	0.	0.
PD111	5.89E-01	6.48E-02	3.14E-03	3.60E-07	9.75E-14	7.10E-27	5.20E-40	0.	0.	0.	0.
AG111M	4.68E-03	8.46E-02	4.12E-03	4.73E-07	1.28E-13	9.38E-27	6.85E-40	0.	0.	0.	0.
AG111	1.67E-09	4.60E-02	4.42E-02	3.36E-02	2.12E-02	8.40E-03	3.33E-03	5.25E-04	5.17E-06	5.01E-10	4.85E-14
PD112	4.95E-01	2.25E-01	1.02E-01	9.45E-03	1.80E-04	6.52E-08	2.37E-11	3.11E-18	1.96E-35	0.	0.
AG112	1.49E-05	2.61E-01	1.20E-01	1.11E-02	2.13E-04	7.70E-08	2.79E-11	3.68E-18	2.31E-35	0.	0.
AG113	5.99E-03	6.33E-02	2.74E-03	2.23E-07	3.40E-14	7.97E-28	1.86E-41	0.	0.	0.	0.
CD115M	1.81E-08	5.24E-04	5.15E-04	4.90E-04	4.53E-04	3.85E-04	3.29E-04	2.37E-04	1.06E-04	2.11E-05	4.22E-06
CD115	6.99E-06	1.05E-01	7.71E-02	3.04E-02	6.41E-03	2.86E-04	1.28E-05	2.55E-08	4.50E-15	1.41E-28	4.41E-42
IN115M	8.72E-11	1.11E-01	8.42E-02	3.32E-02	6.99E-03	3.13E-04	1.39E-05	2.78E-08	4.92E-15	1.54E-28	4.81E-42
CD117	1.59E-01	3.46E-03	3.36E-06	3.14E-15	2.79E-30	0.	0.	0.	0.	0.	0.
IN117M	7.62E-06	1.43E-02	1.66E-05	1.60E-14	1.42E-29	0.	0.	0.	0.	0.	0.
IN117	3.07E-10	9.46E-03	1.12E-05	1.09E-14	9.63E-30	0.	0.	0.	0.	0.	0.
SN121	3.24E-03	1.85E-01	9.96E-02	1.57E-02	7.20E-04	1.52E-06	3.20E-09	1.43E-14	5.96E-28	0.	0.
SN123	1.48E-05	1.55E-03	1.54E-03	1.51E-03	1.47E-03	1.39E-03	1.32E-03	1.18E-03	8.92E-04	5.13E-04	2.95E-04
SN125	3.35E-02	3.11E-02	2.89E-02	2.32E-02	1.60E-02	7.67E-03	3.66E-03	8.38E-04	2.10E-05	1.32E-08	8.27E-12
SB125	2.01E-04	2.23E-04	2.44E-04	2.98E-04	3.65E-04	4.42E-04	4.76E-04	4.97E-04	4.87E-04	4.55E-04	4.24E-04
SB126	4.05E-03	3.83E-03	3.62E-03	3.07E-03	2.32E-03	1.33E-03	7.68E-04	2.53E-04	1.58E-05	7.68E-08	1.54E-08

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YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.35E+00	1.21E-03	4.41E-07	2.11E-17	1.32E-34	0.	0.	0.	0.	0.	0.
SB127	3.91E-02	1.61E-01	1.34E-01	7.85E-02	3.21E-02	5.37E-03	8.97E-04	2.51E-05	3.27E-09	5.59E-17	9.51E-25
TE127M	3.17E-10	2.45E-04	4.49E-04	8.71E-04	1.20E-03	1.33E-03	1.28E-03	1.13E-03	8.28E-04	4.37E-04	2.31E-04
TE127	2.21E-02	1.15E-01	1.13E-01	6.88E-02	2.91E-02	5.97E-03	2.04E-03	1.14E-03	8.17E-04	4.32E-04	2.28E-04
SB128	7.32E-01	1.25E-01	1.97E-02	7.69E-05	7.46E-09	7.00E-17	6.59E-25	5.80E-41	0.	0.	0.
SB129	3.36E+00	1.72E-01	3.59E-03	3.27E-08	1.30E-16	2.05E-33	3.24E-50	0.	0.	0.	0.
TE129M	6.36E-08	6.70E-03	6.70E-03	6.32E-03	5.71E-03	4.65E-03	3.78E-03	2.52E-03	9.08E-04	1.18E-04	1.54E-05
TE129	2.42E+00	2.02E-01	8.40E-03	4.05E-03	3.65E-03	2.98E-03	2.43E-03	1.62E-03	5.83E-04	7.61E-05	9.88E-06
I130	1.54E-02	4.04E-03	1.06E-03	1.89E-05	2.31E-08	3.44E-14	5.12E-20	1.14E-31	0.	0.	0.
TE131M	6.00E-05	2.10E-01	1.20E-01	2.28E-02	1.43E-03	5.56E-06	2.18E-08	3.32E-13	3.02E-25	0.	0.
TE131	5.52E+01	3.83E-02	2.20E-02	4.17E-03	2.60E-04	1.02E-06	3.97E-09	6.08E-14	5.52E-26	0.	0.
I131	8.03E-03	4.33E-01	4.09E-01	3.29E-01	2.17E-01	9.14E-02	3.87E-02	6.91E-03	9.34E-05	1.70E-08	3.10E-12
XE131M	2.18E-11	2.01E-04	3.81E-04	7.95E-04	1.14E-03	1.12E-03	8.35E-04	3.45E-04	2.30E-05	6.88E-08	1.94E-10
TE132	6.49E-01	1.29E+00	1.04E+00	5.47E-01	1.89E-01	2.24E-02	2.65E-03	3.72E-05	8.70E-10	4.76E-19	2.60E-28
I132	1.59E+00	1.33E+00	1.07E+00	5.63E-01	1.94E-01	2.30E-02	2.73E-03	3.83E-05	8.97E-10	4.88E-19	2.68E-28
I133	6.59E-01	3.67E+00	1.66E+00	1.54E-01	2.93E-03	1.06E-06	3.85E-10	5.08E-17	3.19E-34	0.	0.
XE133M	2.81E-08	3.47E-02	4.11E-02	2.41E-02	5.65E-03	2.65E-04	1.24E-05	2.68E-08	5.87E-15	2.81E-28	1.34E-41
XE133	4.90E-07	6.66E-01	8.93E-01	8.00E-01	4.36E-01	1.18E-01	3.17E-02	2.28E-03	3.18E-06	6.16E-12	1.20E-17
I135	1.10E+01	1.80E+00	1.50E-01	8.75E-05	3.55E-10	5.86E-21	9.63E-32	2.62E-53	0.	0.	0.
XE135M	1.22E-03	5.61E-01	4.69E-02	2.73E-05	1.11E-10	1.83E-21	3.01E-32	8.18E-54	0.	0.	0.
XE135	1.27E+00	4.85E+00	1.19E+00	6.78E-03	8.30E-07	1.17E-14	1.64E-22	3.23E-38	0.	0.	0.
CS136	1.22E-03	1.16E-03	1.10E-03	9.36E-04	7.17E-04	4.21E-04	2.48E-04	8.50E-05	5.91E-06	2.85E-08	1.38E-10
CS137	5.05E-05	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.45E-04	5.42E-04	5.39E-04	5.36E-04
BA137M	1.07E-07	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.08E-04	5.05E-04	5.02E-04	4.99E-04
BA139	6.24E+00	6.66E-04	3.93E-09	8.09E-25	0.	0.	0.	0.	0.	0.	0.
BA140	7.85E-02	4.63E-01	4.41E-01	3.74E-01	2.85E-01	1.66E-01	9.64E-02	3.27E-02	2.18E-03	9.71E-06	4.30E-08
LA140	1.86E-07	1.61E-01	2.60E-01	3.59E-01	3.19E-01	1.91E-01	1.11E-01	3.77E-02	2.51E-03	1.12E-05	4.97E-08
LA141	1.26E+00	4.98E-01	6.99E-03	1.94E-08	1.06E-17	3.16E-36	9.42E-55	0.	0.	0.	0.
CE141	1.55E-07	1.72E-01	1.71E-01	1.61E-01	1.44E-01	1.17E-01	9.39E-02	6.12E-02	2.10E-02	2.47E-03	2.91E-04
LA142	8.17E+00	1.79E-03	3.47E-08	2.55E-22	0.	0.	0.	0.	0.	0.	0.
CE143	5.34E-02	2.20E+00	1.33E+00	2.92E-01	2.35E-02	1.52E-04	9.84E-07	4.12E-11	4.65E-22	0.	0.
PR143	1.56E-08	1.41E-01	2.19E-01	2.82E-01	2.42E-01	1.47E-01	8.90E-02	3.22E-02	2.57E-03	1.63E-05	1.04E-07
CE144	2.41E-03	1.72E-02	1.71E-02	1.70E-02	1.68E-02	1.64E-02	1.60E-02	1.53E-02	1.35E-02	1.06E-02	8.30E-03
PR144	6.61E-07	1.72E-02	1.71E-02	1.70E-02	1.68E-02	1.64E-02	1.60E-02	1.53E-02	1.35E-02	1.06E-02	8.30E-03
PR145	9.82E-02	1.00E+00	6.21E-02	1.47E-05	1.34E-11	1.11E-23	9.22E-36	0.	0.	0.	0.
ND147	1.34E-05	2.26E-01	2.12E-01	1.76E-01	1.29E-01	6.92E-02	3.69E-02	1.06E-02	4.65E-04	9.06E-07	1.76E-09
PM147	3.73E-14	1.69E-04	3.27E-04	7.47E-04	1.29E-03	1.97E-03	2.33E-03	2.60E-03	2.62E-03	2.44E-03	2.27E-03
ND149	2.36E+01	2.28E-03	2.21E-07	2.02E-19	1.72E-39	0.	0.	0.	0.	0.	0.
PM149	3.29E-03	6.07E-01	4.44E-01	1.74E-01	3.62E-02	1.58E-03	6.87E-05	1.31E-07	2.06E-14	5.09E-28	1.27E-41
PM150	2.66E-01	5.62E-04	1.18E-06	1.11E-14	4.65E-28	0.	0.	0.	0.	0.	0.

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	6.55E-02	4.47E-01	2.46E-01	4.15E-02	2.13E-03	5.58E-06	1.47E-08	1.02E-13	1.27E-26	0.	0.
SM153	2.35E-01	1.65E-01	1.16E-01	4.00E-02	6.81E-03	1.98E-04	5.75E-06	4.83E-09	9.97E-17	4.25E-32	1.80E-47
SM156	2.06E-01	3.52E-02	6.00E-03	2.95E-05	4.25E-09	8.74E-17	1.81E-24	7.68E-40	0.	0.	0.
EU155	7.86E-06	2.66E-04	2.66E-04	2.66E-04	2.65E-04	2.64E-04	2.63E-04	2.61E-04	2.56E-04	2.46E-04	2.36E-04
EU156	6.03E-04	4.90E-03	5.44E-03	4.87E-03	3.87E-03	2.43E-03	1.53E-03	6.09E-04	6.03E-05	5.94E-07	5.85E-09
EU157	2.36E-02	2.73E-02	9.17E-03	3.44E-04	1.44E-06	2.55E-11	4.51E-16	1.40E-25	0.	0.	0.
GD159	4.43E-03	8.73E-03	3.47E-03	2.17E-04	2.13E-06	2.07E-10	2.00E-14	1.88E-22	1.60E-42	0.	0.
TB161	8.03E-05	5.25E-04	4.74E-04	3.51E-04	2.12E-04	7.77E-05	2.84E-05	3.81E-06	2.52E-08	1.09E-12	4.74E-17
TOTAL	2.60E+02	1.19E+02	5.80E+01	1.87E+01	6.39E+00	1.90E+00	1.07E+00	5.60E-01	2.47E-01	9.46E-02	4.97E-02

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YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	2.34E-05	2.02E-07	1.88E-08	1.74E-09	1.40E-12	1.12E-15	8.39E-20	5.38E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	9.28E-04	3.35E-06	2.01E-07	1.21E-08	2.62E-12	5.66E-16	7.38E-21	3.46E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	5.50E-05	1.43E-06	2.32E-07	3.72E-08	1.57E-10	6.58E-13	4.46E-16	7.88E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.14E+00	5.35E-09	5.21E-09	5.07E-09	4.74E-09	4.40E-09	4.00E-09	3.47E-09	2.16E-09	1.06E-09	5.21E-10
AM241	7.58E-12	7.58E-12	7.58E-12	7.58E-12	7.62E-12	7.65E-12	7.65E-12	7.69E-12	7.73E-12	7.65E-12	7.55E-12
CM242	1.51E-08	3.20E-09	1.47E-09	6.78E-10	6.60E-11	6.43E-12	2.88E-13	2.73E-15	7.83E-20	7.30E-20	6.82E-20
KR 85	2.83E-06	7.03E-05	6.81E-05	6.59E-05	6.01E-05	5.43E-05	4.77E-05	3.93E-05	2.08E-05	7.94E-06	3.03E-06
SR 89	1.98E-06	4.64E-04	4.06E-05	3.56E-06	2.40E-09	1.62E-12	9.56E-17	4.35E-23	3.16E-44	0.	0.
SR 90	3.74E-06	3.74E-04	3.70E-04	3.67E-04	3.53E-04	3.40E-04	3.23E-04	3.00E-04	2.35E-04	1.62E-04	1.12E-04
Y 90	5.54E-12	3.74E-04	3.70E-04	3.67E-04	3.53E-04	3.40E-04	3.23E-04	3.00E-04	2.35E-04	1.62E-04	1.12E-04
Y 91	1.42E-08	9.56E-04	1.11E-04	1.29E-05	2.03E-08	3.18E-11	5.82E-15	1.43E-20	2.89E-39	0.	0.
ZR 95	7.28E-04	1.87E-03	2.67E-04	3.80E-05	1.11E-07	3.22E-10	1.33E-13	1.13E-18	1.38E-35	0.	0.
NB 95M	1.55E-11	3.96E-05	5.65E-06	8.08E-07	2.35E-09	6.83E-12	2.83E-15	2.39E-20	2.93E-37	0.	0.
NB 95	8.11E-11	4.02E-03	5.78E-04	8.24E-05	2.39E-07	6.93E-10	2.89E-13	2.44E-18	2.99E-35	0.	0.
RU103	6.80E-05	2.64E-04	1.08E-05	4.44E-07	3.03E-11	2.08E-15	5.84E-21	2.74E-29	0.	0.	0.
RH103M	4.53E-09	2.64E-04	1.08E-05	4.44E-07	3.04E-11	2.08E-15	5.84E-21	2.75E-29	0.	0.	0.
RU106	4.17E-04	3.97E-03	2.81E-03	1.99E-03	7.08E-04	2.51E-04	6.33E-05	8.00E-06	8.07E-09	2.60E-13	8.34E-18
RH106	4.51E-06	3.97E-03	2.81E-03	1.99E-03	7.08E-04	2.51E-04	6.33E-05	8.00E-06	8.07E-09	2.60E-13	8.34E-18
SN123	1.48E-05	2.05E-04	7.45E-05	2.71E-05	1.30E-06	6.23E-08	1.09E-09	2.50E-12	4.01E-21	2.58E-34	1.66E-47
SB125	2.01E-04	4.05E-04	3.56E-04	3.13E-04	2.13E-04	1.45E-04	8.67E-05	4.01E-05	3.09E-06	6.57E-08	1.40E-09
TE125M	5.41E-12	1.65E-04	1.47E-04	1.29E-04	8.83E-05	6.01E-05	3.59E-05	1.66E-05	1.28E-06	2.72E-08	5.79E-10
TE127M	3.17E-10	1.52E-04	4.74E-05	1.48E-05	4.56E-07	1.40E-08	1.35E-10	1.27E-13	1.04E-23	7.79E-39	5.80E-54
TE127	2.21E-02	1.50E-04	4.69E-05	1.47E-05	4.51E-07	1.39E-08	1.33E-10	1.26E-13	1.03E-23	7.69E-39	5.75E-54
CS137	5.05E-05	5.33E-04	5.27E-04	5.20E-04	5.02E-04	4.84E-04	4.63E-04	4.33E-04	3.42E-04	2.43E-04	1.72E-04
BA137M	1.07E-07	4.99E-04	4.93E-04	4.87E-04	4.69E-04	4.54E-04	4.33E-04	4.05E-04	3.21E-04	2.27E-04	1.61E-04
CE141	1.55E-07	6.70E-05	1.35E-06	2.71E-08	2.20E-13	1.79E-18	2.94E-25	1.95E-35	0.	0.	0.
CE144	2.41E-03	7.07E-03	4.55E-03	2.90E-03	7.62E-04	2.00E-04	3.37E-05	2.32E-06	3.13E-10	4.91E-16	7.65E-22
PR144	6.61E-07	7.07E-03	4.55E-03	2.90E-03	7.62E-04	2.00E-04	3.37E-05	2.32E-06	3.13E-10	4.91E-16	7.65E-22
PM147	3.73E-14	2.17E-03	1.90E-03	1.66E-03	1.12E-03	7.51E-04	4.41E-04	2.00E-04	1.42E-05	2.69E-07	5.09E-09
EU155	7.86E-06	2.30E-04	2.14E-04	1.99E-04	1.60E-04	1.29E-04	9.60E-05	6.20E-05	1.45E-05	1.63E-06	1.83E-07
TOTAL	2.17E+00	3.54E-02	2.03E-02	1.41E-02	6.26E-03	3.66E-03	2.44E-03	1.82E-03	1.19E-03	8.04E-04	5.60E-04

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YANKEE
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM

PAGE 2

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	9.99E+01	1.34E+04
1.00E+00	2.96E+01	2.63E+03
2.00E+00	1.16E+01	9.39E+02
3.00E+00	6.22E+00	5.57E+02
4.00E+00	3.93E+00	4.18E+02
6.00E+00	2.15E+00	3.02E+02
9.00E+00	1.33E+00	2.24E+02
1.20E+01	1.00E+00	1.81E+02
1.50E+01	8.03E-01	1.51E+02
1.80E+01	6.67E-01	1.30E+02
2.10E+01	5.67E-01	1.13E+02
1.00E+00 DAYS	4.85E-01	9.90E+01
2.00E+00	2.23E-01	4.72E+01
5.00E+00	8.20E-02	1.58E+01
1.00E+01	3.55E-02	5.85E+00
2.00E+01	1.32E-02	1.95E+00
3.00E+01	7.43E-03	1.12E+00
5.00E+01	3.35E-03	5.94E-01
1.00E+02	1.10E-03	2.52E-01
2.00E+02	3.58E-04	8.94E-02
3.00E+02	1.42E-04	4.59E-02
1.00E+00 YEARS	8.60E-05	3.32E-02
1.50E+00	3.30E-05	1.98E-02
2.00E+00	2.16E-05	1.41E-02
3.50E+00	1.23E-05	6.74E-03
5.00E+00	8.97E-06	4.19E-03
7.00E+00	7.16E-06	2.97E-03
1.00E+01	6.03E-06	2.34E-03
2.00E+01	4.44E-06	1.62E-03
3.50E+01	3.13E-06	1.11E-03
5.00E+01	2.21E-06	7.76E-04

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.61E-05	1.61E-05	1.61E-05	1.60E-05	1.60E-05
NA 24	1.60E-01	1.53E-01	1.46E-01	1.40E-01	1.33E-01	1.22E-01	1.06E-01	9.22E-02	8.03E-02	7.00E-02	6.06E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03
FE 59	6.43E-04	6.42E-04	6.42E-04	6.42E-04	6.42E-04	6.41E-04	6.40E-04	6.39E-04	6.37E-04	6.36E-04	6.36E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.71E-01	2.56E-01	2.42E-01	2.30E-01	2.18E-01	1.95E-01	1.66E-01	1.41E-01	1.20E-01	1.02E-01	8.68E-02
CU 67	7.34E-04	7.28E-04	7.15E-04	7.09E-04	7.03E-04	6.84E-04	6.59E-04	6.40E-04	6.20E-04	5.96E-04	5.79E-04
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	2.02E-02	1.96E-02	1.90E-02	1.85E-02	1.80E-02	1.69E-02	1.55E-02	1.43E-02	1.30E-02	1.20E-02	1.09E-02
W188	7.63E-05	7.63E-05	7.63E-05	7.61E-05	7.61E-05	7.61E-05	7.59E-05	7.59E-05	7.57E-05	7.57E-05	7.55E-05
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	4.89E-04	4.83E-04	4.76E-04	4.69E-04	4.62E-04	4.52E-04	4.35E-04	4.18E-04	4.00E-04	3.83E-04	3.70E-04
U237	1.49E+00	1.48E+00	1.47E+00	1.47E+00	1.46E+00	1.45E+00	1.43E+00	1.41E+00	1.39E+00	1.37E+00	1.36E+00
U239	4.33E+03	7.39E+02	1.26E+02	2.15E+01	3.65E+00	1.06E-01	5.27E-04	2.60E-06	1.29E-08	6.36E-11	3.15E-13
U240	4.20E+01	4.00E+01	3.81E+01	3.63E+01	3.45E+01	3.13E+01	2.70E+01	2.33E+01	2.01E+01	1.73E+01	1.49E+01
NP239	1.48E-02	2.48E+01	2.87E+01	2.92E+01	2.89E+01	2.83E+01	2.71E+01	2.62E+01	2.53E+01	2.44E+01	2.35E+01
NP240M	6.64E-02	4.02E+01	3.84E+01	3.66E+01	3.48E+01	3.15E+01	2.72E+01	2.35E+01	2.02E+01	1.75E+01	1.51E+01
NP240	1.68E-09	8.65E-10	4.49E-10	2.32E-10	1.20E-10	3.21E-11	4.42E-12	6.10E-13	8.41E-14	1.16E-14	1.60E-15
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12
CM242	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.05E-08	1.04E-08	1.04E-08	1.04E-08	1.04E-08	1.04E-08
GE 75	4.22E-05	2.05E-01	1.23E-01	7.43E-02	4.47E-02	1.62E-02	3.54E-03	7.75E-04	1.69E-04	3.69E-05	8.07E-06
GE 77	1.36E-02	3.49E-02	3.29E-02	3.09E-02	2.91E-02	2.57E-02	2.14E-02	1.78E-02	1.48E-02	1.23E-02	1.02E-02
AS 77	1.40E-04	2.22E-02	2.24E-02	2.26E-02	2.27E-02	2.29E-02	2.29E-02	2.27E-02	2.24E-02	2.19E-02	2.13E-02
SE 77M	5.53E-09	6.63E-05	6.73E-05	6.78E-05	6.78E-05	6.83E-05	6.88E-05	6.83E-05	6.73E-05	6.58E-05	6.38E-05
GE 78	1.45E+00	9.04E-01	5.62E-01	3.52E-01	2.19E-01	8.54E-02	2.07E-02	5.02E-03	1.23E-03	2.98E-04	7.23E-05
AS 78	2.60E-02	4.32E-01	5.32E-01	4.99E-01	4.17E-01	2.46E-01	9.14E-02	3.03E-02	9.39E-03	2.81E-03	8.14E-04
AS 79	2.29E+01	2.26E-01	2.23E-03	2.19E-05	2.16E-07	2.09E-11	1.99E-17	1.90E-23	1.81E-29	1.73E-35	1.65E-41
SE 79M	3.40E-02	3.99E-01	3.93E-03	3.87E-05	3.81E-07	3.69E-11	3.52E-17	3.36E-23	3.20E-29	3.06E-35	2.92E-41
BR 80	1.24E-01	1.17E-02	1.10E-03	1.03E-04	9.73E-06	8.63E-08	7.22E-11	6.02E-14	5.02E-17	4.19E-20	3.50E-23
SE 81M	9.60E-02	4.48E+00	2.16E+00	1.04E+00	5.00E-01	1.17E-01	1.31E-02	1.46E-03	1.64E-04	1.84E-05	2.06E-06
SE 81	1.17E+00	5.29E+00	3.06E+00	1.53E+00	7.42E-01	1.73E-01	1.94E-02	2.17E-03	2.43E-04	2.73E-05	3.06E-06
BR 82	5.05E-04	4.95E-04	4.85E-04	4.76E-04	4.67E-04	4.49E-04	4.23E-04	3.99E-04	3.76E-04	3.54E-04	3.34E-04
SE 83	4.65E+01	8.81E+00	1.67E+00	3.17E-01	5.98E-02	2.15E-03	1.46E-05	9.95E-08	6.80E-10	4.61E-12	2.93E-14
BR 83	3.86E-01	5.77E+00	5.34E+00	4.20E+00	3.19E+00	1.80E+00	7.62E-01	3.20E-01	1.35E-01	5.71E-02	2.41E-02
KR 83M	2.00E-05	1.31E+00	2.67E+00	3.31E+00	3.42E+00	2.85E+00	1.68E+00	8.65E-01	4.17E-01	1.93E-01	8.65E-02

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	8.92E-02	1.54E+01	4.16E+00	1.13E+00	3.04E-01	2.23E-02	4.40E-04	8.69E-06	1.72E-07	3.40E-09	6.72E-11
KR 85M	3.79E-03	8.13E+00	6.92E+00	5.91E+00	5.05E+00	3.69E+00	2.30E+00	1.43E+00	8.94E-01	5.55E-01	3.47E-01
KR 87	4.86E+01	2.80E+01	1.62E+01	9.38E+00	5.41E+00	1.82E+00	3.52E-01	6.82E-02	1.32E-02	2.56E-03	4.94E-04
KR 88	2.89E+01	2.26E+01	1.76E+01	1.38E+01	1.08E+01	6.53E+00	3.12E+00	1.48E+00	7.05E-01	3.36E-01	1.60E-01
RB 88	7.36E+00	2.29E+01	1.95E+01	1.54E+01	1.20E+01	7.31E+00	3.49E+00	1.66E+00	7.92E-01	3.77E-01	1.79E-01
RB 89	3.59E+01	3.37E+01	2.27E+00	1.52E-01	1.02E-02	4.62E-05	1.40E-08	4.22E-12	1.29E-15	3.89E-19	1.18E-22
SR 89	2.75E-06	9.65E-02	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01
SR 90	5.18E-06	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
SR 91	6.23E-01	1.16E+01	1.08E+01	1.01E+01	9.37E+00	8.12E+00	6.55E+00	5.29E+00	4.27E+00	3.43E+00	2.77E+00
Y 91M	4.20E-05	4.00E+00	5.45E+00	5.84E+00	5.76E+00	5.18E+00	4.23E+00	3.41E+00	2.75E+00	2.22E+00	1.79E+00
Y 91	1.72E-08	3.56E-03	8.19E-03	1.31E-02	1.79E-02	2.68E-02	3.80E-02	4.70E-02	5.45E-02	6.04E-02	6.51E-02
SR 92	4.73E+00	2.11E+01	1.64E+01	1.27E+01	9.81E+00	5.88E+00	2.73E+00	1.27E+00	5.88E-01	2.73E-01	1.27E-01
Y 92	2.18E-01	4.45E+00	6.98E+00	8.30E+00	8.80E+00	8.38E+00	6.43E+00	4.38E+00	2.82E+00	1.73E+00	1.05E+00
SR 93	2.04E+02	3.52E+00	1.94E-02	1.07E-04	5.92E-07	1.81E-11	3.05E-18	5.15E-25	8.69E-32	1.47E-38	2.47E-45
Y 93	2.49E-01	8.06E+00	7.57E+00	7.08E+00	6.62E+00	5.78E+00	4.71E+00	3.84E+00	3.12E+00	2.56E+00	2.08E+00
Y 94	3.07E+01	4.20E+01	5.40E+00	6.96E-01	8.98E-02	1.49E-03	3.20E-06	6.86E-09	1.47E-11	3.20E-14	1.77E-15
Y 95	1.34E+02	1.27E+01	2.79E-01	6.15E-03	1.35E-04	6.57E-08	7.04E-13	7.53E-18	8.03E-23	8.59E-28	9.19E-33
ZR 95	5.05E-04	6.60E-02	6.73E-02	6.73E-02	6.73E-02	6.73E-02	6.73E-02	6.71E-02	6.71E-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	4.74E-04	6.37E-04	7.97E-04	9.58E-04	1.12E-03
ZR 97	1.33E+00	5.80E+00	5.55E+00	5.35E+00	5.12E+00	4.73E+00	4.18E+00	3.69E+00	3.28E+00	2.89E+00	2.57E+00
NB 97M	6.86E-03	5.58E+00	5.35E+00	5.14E+00	4.93E+00	4.54E+00	4.02E+00	3.56E+00	3.14E+00	2.78E+00	2.45E+00
NB 97	6.68E-01	2.91E+00	4.11E+00	4.68E+00	4.91E+00	4.89E+00	4.45E+00	3.97E+00	3.51E+00	3.10E+00	2.75E+00
NB 98	7.60E+00	3.37E+00	1.49E+00	6.58E-01	2.92E-01	5.71E-02	4.94E-03	4.26E-04	3.71E-05	3.22E-06	2.77E-07
MO 99	4.05E-03	1.67E+00	1.65E+00	1.64E+00	1.62E+00	1.59E+00	1.54E+00	1.49E+00	1.45E+00	1.40E+00	1.36E+00
TC 99M	3.77E-08	1.59E-01	2.99E-01	4.23E-01	5.32E-01	7.10E-01	9.01E-01	1.02E+00	1.10E+00	1.14E+00	1.16E+00
MO101	1.27E+02	5.75E+01	3.34E+00	1.93E-01	1.12E-02	3.76E-05	7.31E-09	1.42E-12	2.77E-16	5.37E-20	1.05E-23
TC101	5.37E+00	1.61E+02	1.76E+01	1.45E+00	1.05E-01	4.75E-04	1.19E-07	2.66E-11	5.64E-15	1.16E-18	2.35E-22
MO102	1.18E+03	2.70E+01	6.14E-01	1.40E-02	3.20E-04	1.66E-07	1.98E-12	2.34E-17	2.78E-22	3.29E-27	3.91E-32
TC102M	7.60E-01	2.28E+01	5.22E-01	1.19E-02	2.72E-04	1.41E-07	1.67E-12	1.98E-17	2.35E-22	2.79E-27	3.31E-32
TC102	3.56E+03	1.36E+01	3.10E-01	7.04E-03	1.61E-04	8.39E-08	9.97E-13	1.18E-17	1.40E-22	1.66E-27	1.97E-32
RU103	9.43E-05	2.19E-01	2.19E-01	2.18E-01	2.18E-01	2.18E-01	2.17E-01	2.17E-01	2.16E-01	2.16E-01	2.15E-01
RH103M	6.28E-09	1.13E-01	1.67E-01	1.94E-01	2.07E-01	2.15E-01	2.17E-01	2.17E-01	2.16E-01	2.16E-01	2.16E-01
TC104	7.54E+01	5.42E+01	5.42E+00	5.36E-01	5.31E-02	5.23E-04	5.10E-07	4.99E-10	4.87E-13	4.76E-16	4.65E-19
RU105	6.15E-01	2.13E+01	1.82E+01	1.56E+01	1.33E+01	9.74E+00	6.10E+00	3.81E+00	2.39E+00	1.49E+00	9.38E-01
RH105M	4.04E-03	2.13E+01	1.82E+01	1.56E+01	1.33E+01	9.78E+00	6.10E+00	3.83E+00	2.40E+00	1.50E+00	9.38E-01
RH105	6.64E-09	4.33E-01	8.03E-01	1.11E+00	1.36E+00	1.75E+00	2.09E+00	2.24E+00	2.29E+00	2.27E+00	2.21E+00
RU106	5.79E-04	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02
RH106	6.26E-06	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02
RH107	1.69E-01	2.30E+01	3.48E+00	5.24E-01	7.90E-02	1.80E-03	6.21E-06	2.14E-08	7.37E-11	2.52-146	2.51E-17
PD107M	3.51E-04	4.67E+00	7.06E-01	1.07E-01	1.61E-02	3.67E-04	1.26E-06	4.36E-09	1.50E-11	5.18E-14	1.77E-16

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.92E-02	1.59E+00	1.51E+00	1.43E+00	1.36E+00	1.23E+00	1.05E+00	9.04E-01	7.75E-01	6.64E-01	5.71E-01
AG109M	1.11E-04	1.59E+00	1.51E+00	1.44E+00	1.36E+00	1.23E+00	1.05E+00	9.04E-01	7.75E-01	6.64E-01	5.71E-01
PD111M	2.29E+00	2.02E+00	1.78E+00	1.58E+00	1.39E+00	1.08E+00	7.38E-01	5.06E-01	3.47E-01	2.37E-01	1.63E-01
PD111	8.17E-01	1.47E+00	1.41E+00	1.26E+00	1.11E+00	8.65E-01	5.93E-01	4.07E-01	2.78E-01	1.91E-01	1.31E-01
AG111M	6.49E-03	1.99E+00	1.87E+00	1.67E+00	1.47E+00	1.14E+00	7.78E-01	5.33E-01	3.66E-01	2.51E-01	1.71E-01
AG111	2.31E-09	6.85E-03	1.44E-02	2.11E-02	2.71E-02	3.70E-02	4.75E-02	5.44E-02	5.90E-02	6.18E-02	6.35E-02
PD112	6.87E-01	6.66E-01	6.43E-01	6.22E-01	6.03E-01	5.63E-01	5.11E-01	4.63E-01	4.19E-01	3.79E-01	3.43E-01
AG112	2.07E-05	1.32E-01	2.32E-01	3.12E-01	3.71E-01	4.44E-01	4.88E-01	4.86E-01	4.63E-01	4.31E-01	3.98E-01
AG113	8.31E-03	1.78E+00	1.56E+00	1.37E+00	1.20E+00	9.23E-01	6.25E-01	4.22E-01	2.85E-01	1.92E-01	1.30E-01
AG115	3.07E+00	3.29E+00	4.09E-01	5.12E-02	6.41E-03	1.00E-04	1.96E-07	3.83E-10	7.41E-13	7.36-162	6.82E-16
CD115M	2.51E-08	6.68E-04	7.51E-04	7.60E-04	7.60E-04	7.60E-04	7.58E-04	7.58E-04	7.55E-04	7.53E-04	7.53E-04
CD115	9.70E-06	1.83E-01	1.97E-01	1.96E-01	1.94E-01	1.89E-01	1.82E-01	1.75E-01	1.68E-01	1.62E-01	1.55E-01
IN115M	1.21E-10	2.02E-02	4.48E-02	6.65E-02	8.48E-02	1.13E-01	1.40E-01	1.54E-01	1.60E-01	1.62E-01	1.61E-01
CD117	2.20E-01	3.66E+00	2.76E+00	2.06E+00	1.54E+00	8.66E-01	3.63E-01	1.53E-01	6.44E-02	2.71E-02	1.14E-02
IN117M	1.06E-05	1.27E+00	1.84E+00	2.00E+00	1.93E+00	1.52E+00	8.71E-01	4.46E-01	2.14E-01	9.92E-02	4.48E-02
IN117	4.25E-10	2.32E-01	5.62E-01	7.81E-01	8.71E-01	8.01E-01	5.10E-01	2.73E-01	1.36E-01	6.39E-02	2.94E-02
CD118	1.46E+01	6.24E+00	2.68E+00	1.14E+00	4.88E-01	8.94E-02	7.02E-03	5.48E-04	4.31E-05	3.38E-06	2.65E-07
IN118	9.64E-01	6.24E+00	2.68E+00	1.14E+00	4.88E-01	8.96E-02	7.02E-03	5.51E-04	4.31E-05	3.38E-06	2.65E-07
CD119	3.63E+01	5.66E-01	8.84E-03	1.38E-04	2.16E-06	5.28E-10	2.01E-15	7.70E-21	2.93E-26	1.12E-31	4.28E-37
IN119M	5.47E-02	6.13E+00	6.67E-01	6.72E-02	6.69E-03	6.59E-05	6.42E-08	6.29E-11	6.13E-14	5.99E-17	5.85E-20
IN119	2.70E+00	3.23E-01	3.74E-02	3.79E-03	3.79E-04	3.71E-06	3.63E-09	3.55E-12	3.47E-15	3.39E-18	3.31E-21
SN121	4.49E-03	4.62E-01	4.49E-01	4.38E-01	4.28E-01	4.07E-01	3.75E-01	3.49E-01	3.22E-01	2.98E-01	2.77E-01
SN123M	2.19E+00	4.09E+00	1.45E+00	5.13E-01	1.81E-01	2.26E-02	1.00E-03	4.43E-05	1.96E-06	8.66E-08	3.83E-09
SN123	2.06E-05	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03
SN125	4.64E-02	4.63E-02	4.62E-02	4.61E-02	4.58E-02	4.56E-02	4.52E-02	4.47E-02	4.44E-02	4.39E-02	4.35E-02
SB125	2.79E-04	2.80E-04	2.81E-04	2.82E-04	2.84E-04	2.86E-04	2.91E-04	2.95E-04	2.98E-04	3.02E-04	3.06E-04
SB126	5.61E-03	5.59E-03	5.58E-03	5.58E-03	5.56E-03	5.53E-03	5.50E-03	5.46E-03	5.42E-03	5.38E-03	5.35E-03
SN127	4.65E+00	3.34E+00	2.40E+00	1.73E+00	1.24E+00	6.42E-01	2.38E-01	8.87E-02	3.29E-02	1.22E-02	4.54E-03
SB127	5.43E-02	1.87E-01	2.07E-01	2.21E-01	2.30E-01	2.40E-01	2.44E-01	2.41E-01	2.38E-01	2.33E-01	2.28E-01
TE127	3.06E-02	3.82E-02	4.64E-02	5.50E-02	6.36E-02	7.97E-02	1.02E-01	1.19E-01	1.33E-01	1.43E-01	1.50E-01
SN128	2.41E+01	1.19E+01	5.88E+00	2.91E+00	1.44E+00	3.51E-01	4.23E-02	5.11E-03	6.16E-04	7.47E-05	9.01E-06
SB128M	1.23E-02	1.35E+01	7.03E+00	3.47E+00	1.71E+00	4.19E-01	5.05E-02	6.09E-03	7.35E-04	8.88E-05	1.07E-05
SB128	1.02E+00	9.77E-01	9.20E-01	8.62E-01	8.05E-01	6.90E-01	5.51E-01	4.37E-01	3.47E-01	2.75E-01	2.18E-01
SN129M	1.24E+01	6.19E+00	3.11E+00	1.55E+00	7.77E-01	1.94E-01	2.43E-02	3.04E-03	3.79E-04	4.74E-05	5.93E-06
SN129	8.29E+01	8.13E-01	8.03E-03	7.92E-05	7.77E-07	7.56E-11	7.19E-17	6.87E-23	6.56E-29	6.24E-35	5.98E-41
SB129	4.66E+00	7.82E+00	7.35E+00	6.56E+00	5.77E+00	4.29E+00	2.67E+00	1.65E+00	1.02E+00	6.30E-01	3.87E-01
TE129M	8.81E-08	9.76E-04	2.01E-03	2.95E-03	3.79E-03	5.14E-03	6.51E-03	7.35E-03	7.87E-03	8.19E-03	8.40E-03
TE129	3.36E+00	4.62E+00	5.40E+00	5.61E+00	5.40E+00	4.48E+00	2.98E+00	1.88E+00	1.17E+00	7.24E-01	4.49E-01
SB130M	4.49E-01	8.47E-01	2.22E-03	5.84E-06	1.54E-08	1.06E-13	1.93E-21	3.51E-29	6.38E-37	1.16E-44	2.11E-52
SB130	7.69E+01	2.33E+01	6.62E+00	1.87E+00	5.30E-01	4.27E-02	9.73E-04	2.22E-05	5.06E-07	1.15E-08	2.63E-10

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	2.14E-02	2.02E-02	1.92E-02	1.81E-02	1.71E-02	1.53E-02	1.29E-02	1.09E-02	9.25E-03	7.83E-03	6.62E-03
SB131	1.73E+02	4.52E+01	7.38E+00	1.21E+00	1.99E-01	5.36E-03	2.36E-05	1.04E-07	4.59E-10	2.02E-12	1.01E-14
TE131M	8.32E-05	4.35E-01	4.97E-01	4.97E-01	4.88E-01	4.66E-01	4.35E-01	4.06E-01	3.79E-01	3.53E-01	3.30E-01
TE131	7.66E+01	8.32E+01	2.71E+01	7.05E+00	1.71E+00	1.61E-01	7.99E-02	7.38E-02	6.89E-02	6.45E-02	6.01E-02
I131	1.11E-02	3.86E-01	5.68E-01	6.23E-01	6.34E-01	6.39E-01	6.39E-01	6.34E-01	6.34E-01	6.28E-01	6.28E-01
TE132	9.01E-01	2.19E+00	2.17E+00	2.15E+00	2.13E+00	2.09E+00	2.04E+00	1.98E+00	1.93E+00	1.88E+00	1.83E+00
I132	2.21E+00	2.20E+00	2.20E+00	2.19E+00	2.17E+00	2.14E+00	2.10E+00	2.04E+00	1.99E+00	1.94E+00	1.89E+00
TE133M	1.05E-01	3.64E+01	1.58E+01	6.89E+00	3.00E+00	5.69E-01	4.69E-02	3.87E-03	3.19E-04	2.63E-05	2.17E-06
TE133	5.89E+02	3.34E+01	3.72E+00	1.23E+00	5.19E-01	9.84E-02	8.14E-03	6.69E-04	5.54E-05	4.56E-06	3.76E-07
I133	9.14E-01	9.84E+00	1.06E+01	1.06E+01	1.04E+01	9.89E+00	8.99E+00	8.14E+00	7.34E+00	6.69E+00	6.04E+00
XE133M	3.89E-08	2.21E-03	5.34E-03	8.54E-03	1.16E-02	1.75E-02	2.53E-02	3.21E-02	3.79E-02	4.28E-02	4.69E-02
XE133	6.79E-07	3.87E-02	9.39E-02	1.50E-01	2.06E-01	3.12E-01	4.57E-01	5.84E-01	6.99E-01	7.99E-01	8.89E-01
TE134	1.84E+02	8.53E+01	3.18E+01	1.18E+01	4.38E+00	6.08E-01	3.11E-02	1.59E-03	8.15E-05	4.19E-06	2.15E-07
I134	8.44E+01	1.13E+02	7.91E+01	4.63E+01	2.49E+01	6.32E+00	6.94E-01	7.09E-02	6.94E-03	6.65E-04	6.32E-05
I135	1.53E+01	2.69E+01	2.43E+01	2.19E+01	1.98E+01	1.60E+01	1.18E+01	8.61E+00	6.33E+00	4.66E+00	3.40E+00
XE135M	1.69E-03	7.78E+00	7.56E+00	6.86E+00	6.15E+00	5.01E+00	3.68E+00	2.69E+00	1.98E+00	1.45E+00	1.06E+00
XE135	1.76E+00	3.48E+00	5.10E+00	6.42E+00	7.47E+00	8.96E+00	9.93E+00	9.97E+00	9.49E+00	8.66E+00	7.73E+00
CS136	1.70E-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	7.01E-05	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04
BA137M	1.48E-07	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04
XE138	5.90E+02	5.08E+01	4.42E+00	3.83E-01	3.31E-02	2.48E-04	1.62E-07	1.05E-10	6.82E-14	4.43E-17	2.88E-20
CS138	8.79E+01	1.48E+02	5.13E+01	1.51E+01	4.22E+00	3.21E-01	6.68E-03	1.39E-04	2.88E-06	6.00E-08	1.24E-09
CS139	4.69E+02	1.50E+01	1.87E-01	2.36E-03	2.96E-05	4.64E-09	9.24E-15	1.83E-20	3.61E-26	7.17E-32	1.42E-37
BA139	8.65E+00	9.64E+01	5.95E+01	3.61E+01	2.19E+01	8.02E+00	1.78E+00	3.95E-01	8.79E-02	1.95E-02	4.33E-03
BA140	9.25E-02	5.77E-01	5.77E-01	5.72E-01	5.72E-01	5.68E-01	5.68E-01	5.64E-01	5.59E-01	5.55E-01	5.50E-01
LA140	2.20E-07	9.86E-03	1.96E-02	2.90E-02	3.83E-02	5.64E-02	8.23E-02	1.07E-01	1.29E-01	1.51E-01	1.71E-01
BA141	1.25E+02	3.79E+01	3.76E+00	3.73E-01	3.70E-02	3.67E-04	3.58E-07	3.49E-10	3.40E-13	3.34E-16	3.25E-19
LA141	1.16E+00	2.45E+01	2.29E+01	1.94E+01	1.63E+01	1.14E+01	6.69E+00	3.91E+00	2.30E+00	1.35E+00	7.91E-01
CE141	1.43E-07	1.59E-02	3.73E-02	5.61E-02	7.19E-02	9.64E-02	1.20E-01	1.33E-01	1.41E-01	1.45E-01	1.48E-01
BA142	2.47E+02	9.61E+00	2.24E-01	5.10E-03	1.16E-04	6.04E-08	7.17E-13	8.51E-18	1.01E-22	1.20E-27	1.42E-32
LA142	5.67E+00	3.93E+01	2.59E+01	1.65E+01	1.05E+01	4.25E+00	1.10E+00	2.82E-01	7.28E-02	1.87E-02	4.83E-03
LA143	9.27E+01	1.81E+01	9.27E-01	4.76E-02	2.45E-03	6.41E-06	8.64E-10	1.16E-13	1.57E-17	2.12E-21	2.86E-25
CE143	3.70E-02	2.36E+00	2.45E+00	2.38E+00	2.34E+00	2.25E+00	2.11E+00	1.98E+00	1.86E+00	1.75E+00	1.64E+00
PR143	1.08E-08	3.62E-03	8.73E-03	1.38E-02	1.88E-02	2.84E-02	4.18E-02	5.46E-02	6.63E-02	7.73E-02	8.75E-02
CE144	1.67E-03	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.19E-02	1.19E-02	1.19E-02	1.19E-02	1.19E-02
PR144	4.58E-07	1.09E-02	1.19E-02	1.19E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.19E-02	1.19E-02	1.19E-02
PR145	6.81E-02	1.00E+01	8.89E+00	7.91E+00	7.06E+00	5.59E+00	3.94E+00	2.78E+00	1.97E+00	1.39E+00	9.85E-01
CE146	2.22E+02	1.14E+01	5.82E-01	2.98E-02	1.53E-03	4.04E-06	5.43E-10	7.32E-14	9.86E-18	1.33E-21	1.79E-25
PR146	4.58E+00	3.99E+01	9.03E+00	1.70E+00	3.05E-01	9.60E-03	5.31E-05	2.92E-07	1.62E-09	8.95E-12	4.89E-14
PR147	2.61E+01	7.55E+00	2.36E-01	7.36E-03	2.30E-04	2.25E-07	6.86E-12	2.10E-16	6.40E-21	1.95E-25	5.95E-30

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.32E-06	1.75E-01	1.80E-01	1.80E-01	1.79E-01	1.79E-01	1.77E-01	1.76E-01	1.75E-01	1.73E-01	1.72E-01
ND149	1.64E+01	1.11E+01	7.58E+00	5.17E+00	3.50E+00	1.62E+00	5.10E-01	1.61E-01	5.07E-02	1.60E-02	5.04E-03
PM149	2.28E-03	1.78E-01	2.96E-01	3.74E-01	4.24E-01	4.76E-01	4.95E-01	4.86E-01	4.73E-01	4.55E-01	4.39E-01
PM150	1.85E-01	1.43E-01	1.11E-01	8.53E-02	6.60E-02	3.96E-02	1.83E-02	8.47E-03	3.93E-03	1.82E-03	8.41E-04
ND151	7.17E+01	2.24E+00	7.01E-02	2.19E-03	6.85E-05	6.69E-08	2.04E-12	6.24E-17	1.90E-21	5.79E-26	1.77E-30
PM151	4.54E-02	5.31E-01	5.34E-01	5.22E-01	5.09E-01	4.83E-01	4.48E-01	4.16E-01	3.87E-01	3.58E-01	3.33E-01
PM152	1.12E+02	1.10E-01	1.07E-04	1.05E-07	1.02E-10	9.77E-17	9.10E-26	8.49E-35	7.91E-44	7.38E-53	6.86E-62
SM153	1.63E-01	1.60E-01	1.58E-01	1.56E-01	1.54E-01	1.49E-01	1.43E-01	1.36E-01	1.31E-01	1.25E-01	1.20E-01
SM155	7.42E+00	1.22E+00	2.00E-01	3.27E-02	5.35E-03	1.44E-04	6.36E-07	2.80E-09	1.24E-11	5.50E-14	1.35E-16
EU155	5.45E-06	1.55E-04	1.80E-04	1.84E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
SM156	1.43E-01	1.33E-01	1.23E-01	1.15E-01	1.06E-01	9.18E-02	7.35E-02	5.90E-02	4.73E-02	3.79E-02	3.03E-02
EU156	4.18E-04	6.82E-04	9.26E-04	1.15E-03	1.36E-03	1.74E-03	2.21E-03	2.56E-03	2.87E-03	3.09E-03	3.26E-03
EU157	1.64E-02	5.42E-02	5.18E-02	4.95E-02	4.72E-02	4.31E-02	3.76E-02	3.29E-02	2.86E-02	2.49E-02	2.17E-02
EU158	5.16E-01	2.09E-01	8.46E-02	3.43E-02	1.39E-02	2.27E-03	1.51E-04	1.00E-05	6.66E-07	4.42E-08	2.94E-09
EU159	7.18E-01	7.13E-02	7.07E-03	7.02E-04	6.96E-05	6.86E-07	6.70E-10	6.55E-13	6.39E-16	6.25E-19	6.10E-22
GD159	3.08E-03	1.35E-02	1.40E-02	1.36E-02	1.31E-02	1.21E-02	1.08E-02	9.62E-03	8.56E-03	7.62E-03	6.80E-03
TB161	5.57E-05	4.01E-04	3.98E-04	3.97E-04	3.95E-04	3.92E-04	3.88E-04	3.82E-04	3.77E-04	3.73E-04	3.68E-04
TOTAL	1.34E+04	2.63E+03	9.39E+02	5.57E+02	4.18E+02	3.02E+02	2.24E+02	1.81E+02	1.51E+02	1.30E+02	1.13E+02

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YANKEE MICROCURIES/SQ METER PAGE 8

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.62E-05	1.60E-05	1.58E-05	1.52E-05	1.42E-05	1.25E-05	1.10E-05	8.45E-06	4.42E-06	1.20E-06	3.27E-07
NA 24	1.60E-01	5.29E-02	1.74E-02	6.26E-04	2.45E-06	3.74E-11	5.71E-16	1.33E-25	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	1.77E-03	1.77E-03	1.77E-03	1.76E-03	1.75E-03	1.74E-03	1.73E-03	1.70E-03	1.64E-03	1.53E-03	1.42E-03
FE 59	6.43E-04	6.34E-04	6.24E-04	5.96E-04	5.51E-04	4.73E-04	4.05E-04	2.98E-04	1.38E-04	2.95E-05	6.34E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	2.71E-01	7.36E-02	2.01E-02	4.08E-04	6.13E-07	1.39E-12	3.15E-18	1.62E-29	0.	0.	0.
CU 67	7.34E-04	5.60E-04	4.27E-04	1.90E-04	4.95E-05	3.34E-06	2.25E-07	1.02E-09	1.43E-15	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	2.02E-02	1.01E-02	4.99E-03	6.22E-04	1.91E-05	1.82E-08	1.72E-11	1.55E-19	0.	0.	0.
W188	7.63E-05	7.54E-05	7.46E-05	7.25E-05	6.91E-05	6.23E-05	5.64E-05	4.63E-05	2.80E-05	1.03E-05	3.80E-06
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	3.56E-04	2.58E-04	9.89E-05	2.01E-05	8.25E-07	3.38E-08	5.68E-11	6.64E-18	0.	0.	0.
U237	1.49E+00	1.34E+00	1.21E+00	8.90E-01	5.32E-01	1.91E-01	6.84E-02	8.74E-03	5.16E-05	5.55E-09	3.74E-09
U240	4.20E+01	1.29E+01	3.97E+00	1.15E-01	3.16E-04	2.37E-09	1.79E-14	1.01E-24	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.48E-02	2.26E+01	1.68E+01	6.95E+00	1.59E+00	8.32E-02	4.35E-03	1.19E-05	4.70E-12	1.12E-21	1.12E-21
NP240M	6.64E-02	1.30E+01	4.00E+00	1.16E-01	3.18E-04	2.40E-09	1.80E-14	1.02E-24	0.	0.	0.
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.26E-12
CM242	1.05E-08	1.04E-08	1.04E-08	1.03E-08	1.00E-08	9.61E-09	9.23E-09	8.47E-09	6.90E-09	4.49E-09	2.93E-09
GE 77	1.36E-02	8.54E-03	1.95E-03	2.36E-05	1.50E-08	6.08E-15	2.45E-21	4.00E-34	0.	0.	0.
AS 77	1.40E-04	2.07E-02	1.50E-02	4.33E-03	5.07E-04	6.88E-06	9.34E-08	1.72E-11	7.99E-21	1.71E-39	3.68E-58
SE 77M	5.53E-09	6.23E-05	4.49E-05	1.30E-05	1.52E-06	2.06E-08	2.80E-10	5.17E-14	2.40E-23	5.12E-42	1.11E-60
AS 78	2.60E-02	2.32E-04	6.78E-09	5.73E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	5.05E-04	3.15E-04	1.97E-04	4.78E-05	4.53E-06	4.07E-08	3.66E-10	2.95E-14	1.72E-24	5.91E-45	2.01E-65
BR 83	3.86E-01	1.02E-02	1.02E-05	1.04E-14	1.06E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.00E-05	4.45E-02	5.05E-05	4.54E-14	4.66E-29	0.	0.	0.	0.	0.	0.
KR 85M	3.79E-03	2.17E-01	4.93E-03	5.86E-08	3.61E-16	1.37E-32	5.20E-49	0.	0.	0.	0.
KR 85	3.92E-06	1.03E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.05E-04	1.04E-04	1.01E-04	1.00E-04
KR 87	4.86E+01	9.59E-05	1.90E-10	1.47E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.89E+01	7.62E-02	2.00E-04	3.63E-12	4.57E-25	0.	0.	0.	0.	0.	0.
RB 88	7.36E+00	8.49E-02	2.24E-04	4.06E-12	5.09E-25	0.	0.	0.	0.	0.	0.
SR 89	2.75E-06	8.24E-02	8.12E-02	7.80E-02	7.31E-02	6.39E-02	5.59E-02	4.30E-02	2.20E-02	5.79E-03	1.53E-03
SR 90	5.18E-06	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.28E-04	5.28E-04	5.23E-04
Y 90	7.68E-12	1.22E-04	2.16E-04	3.88E-04	4.95E-04	5.28E-04	5.32E-04	5.32E-04	5.28E-04	5.28E-04	5.23E-04
SR 91	6.23E-01	2.23E+00	4.00E-01	2.29E-03	4.20E-07	1.42E-14	4.82E-22	5.49E-37	0.	0.	0.

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.20E-05	1.44E+00	2.58E-01	1.48E-03	2.72E-07	9.17E-15	3.11E-22	3.54E-37	0.	0.	0.
Y 91	1.72E-08	6.86E-02	8.12E-02	8.12E-02	7.65E-02	6.78E-02	6.04E-02	4.78E-02	2.65E-02	8.16E-03	2.51E-03
SR 92	4.73E+00	5.90E-02	1.27E-04	1.28E-12	5.99E-26	0	0.	0.	0.	0.	0.
Y 92	2.18E-01	6.18E-01	6.87E-03	5.28E-09	3.08E-19	1.05E-39	3.61E-60	0.	0.	0.	0.
Y 93	2.49E-01	1.68E+00	3.29E-01	2.47E-03	7.11E-07	5.87E-14	4.85E-21	3.31E-35	0.	0.	0.
ZR 95	5.05E-04	6.31E-02	6.24E-02	6.04E-02	5.73E-02	5.13E-02	4.63E-02	3.74E-02	2.19E-02	7.55E-03	2.59E-03
NB 95M	1.07E-11	2.14E-04	3.90E-04	7.44E-04	1.00E-03	1.06E-03	9.76E-04	7.92E-04	4.65E-04	1.60E-04	5.51E-05
NB 95	5.62E-11	1.22E-03	2.41E-03	5.78E-03	1.07E-02	1.85E-02	2.39E-02	2.97E-02	2.86E-02	1.37E-02	5.27E-03
ZR 97	1.33E+00	2.27E+00	8.53E-01	4.52E-02	3.40E-04	1.91E-08	1.07E-12	3.40E-21	1.92E-42	0.	0.
NB 97M	6.86E-03	2.18E+00	8.19E-01	4.36E-02	3.26E-04	1.84E-08	1.03E-12	3.26E-21	1.84E-42	0.	0.
NB 97	6.68E-01	2.28E+00	8.56E-01	4.54E-02	3.42E-04	2.06E-08	1.16E-12	3.67E-21	2.06E-42	0.	0.
MO 99	4.05E-03	1.32E+00	1.03E+00	4.88E-01	1.41E-01	1.18E-02	9.83E-04	6.86E-06	2.79E-11	4.59E-22	7.56E-33
TC 99M	3.77E-08	1.16E+00	9.75E-01	4.67E-01	1.35E-01	1.12E-02	9.39E-04	6.55E-06	2.66E-11	4.39E-22	7.22E-33
RU103	9.43E-05	2.15E-01	2.11E-01	2.00E-01	1.84E-01	1.54E-01	1.29E-01	9.12E-02	3.79E-02	6.59E-03	1.15E-03
RH103M	6.28E-09	2.15E-01	2.11E-01	2.01E-01	1.84E-01	1.54E-01	1.29E-01	9.12E-02	3.80E-02	6.59E-03	1.15E-03
RU105	6.15E-01	5.88E-01	1.38E-02	1.82E-07	1.33E-15	7.09E-32	3.80E-48	0.	0.	0.	0.
RH105M	4.04E-03	5.88E-01	1.39E-02	1.82E-07	1.33E-15	7.14E-32	3.81E-48	0.	0.	0.	0.
RH105	6.64E-09	2.12E+00	1.39E+00	3.46E-01	3.41E-02	3.31E-04	3.22E-06	3.04E-10	2.63E-20	1.98E-40	1.49E-60
RU106	5.79E-04	1.10E-02	1.09E-02	1.09E-02	1.08E-02	1.06E-02	1.03E-02	9.96E-03	9.06E-03	7.49E-03	6.21E-03
RH106	6.26E-06	1.10E-02	1.09E-02	1.09E-02	1.08E-02	1.06E-02	1.03E-02	9.96E-03	9.06E-03	7.49E-03	6.21E-03
PD109	1.92E-02	4.88E-01	1.42E-01	3.53E-03	7.43E-06	3.31E-11	1.47E-16	2.92E-27	0.	0.	0.
AG109M	1.11E-04	4.88E-01	1.42E-01	3.53E-03	7.46E-06	3.32E-11	1.47E-16	2.92E-27	0.	0.	0.
PD111M	2.29E+00	1.11E-01	5.41E-03	6.21E-07	1.68E-13	1.22E-26	8.99E-40	0.	0.	0.	0.
PD111	8.17E-01	8.99E-02	4.35E-03	4.99E-07	1.35E-13	9.84E-27	7.22E-40	0.	0.	0.	0.
AG111M	6.49E-03	1.17E-01	5.71E-03	6.57E-07	1.77E-13	1.30E-26	9.50E-40	0.	0.	0.	0.
AG111	2.31E-09	6.38E-02	6.13E-02	4.67E-02	2.94E-02	1.16E-02	4.62E-03	7.29E-04	7.17E-06	6.94E-10	6.73E-14
PD112	6.87E-01	3.12E-01	1.41E-01	1.31E-02	2.49E-04	9.05E-08	3.29E-11	4.31E-18	2.72E-35	0.	0.
AG112	2.07E-05	3.62E-01	1.66E-01	1.55E-02	2.95E-04	1.07E-07	3.87E-11	5.11E-18	3.20E-35	0.	0.
AG113	8.31E-03	8.78E-02	3.80E-03	3.09E-07	4.72E-14	1.11E-27	2.58E-41	0.	0.	0.	0.
CD115M	2.51E-08	7.26E-04	7.14E-04	6.80E-04	6.29E-04	5.34E-04	4.56E-04	3.29E-04	1.47E-04	2.92E-05	5.85E-06
CD115	9.70E-06	1.46E-01	1.07E-01	4.22E-02	8.89E-03	3.97E-04	1.77E-05	3.53E-08	6.24E-15	1.95E-28	6.12E-42
IN115M	1.21E-10	1.54E-01	1.17E-01	4.61E-02	9.70E-03	4.34E-04	1.93E-05	3.85E-08	6.82E-15	2.13E-28	6.68E-42
CD117	2.20E-01	4.79E-03	4.66E-06	4.35E-15	3.87E-30	0.	0.	0.	0.	0.	0.
IN117M	1.06E-05	1.99E-02	2.30E-05	2.22E-14	1.97E-29	0.	0.	0.	0.	0.	0.
IN117	4.25E-10	1.31E-02	1.55E-05	1.50E-14	1.33E-29	0.	0.	0.	0.	0.	0.
SN121	4.49E-03	2.56E-01	1.38E-01	2.18E-02	9.98E-04	2.11E-06	4.44E-09	1.98E-14	8.27E-28	0.	0.
SN123	2.06E-05	2.15E-03	2.13E-03	2.09E-03	2.04E-03	1.92E-03	1.83E-03	1.63E-03	1.24E-03	7.11E-04	4.09E-04
SN125	4.64E-02	4.32E-02	4.01E-02	3.21E-02	2.22E-02	1.06E-02	5.08E-03	1.16E-03	2.91E-05	1.83E-08	1.15E-11
SB125	2.79E-04	3.09E-04	3.38E-04	4.13E-04	5.07E-04	6.13E-04	6.61E-04	6.89E-04	6.75E-04	6.30E-04	5.88E-04
SB126	5.61E-03	5.31E-03	5.03E-03	4.25E-03	3.22E-03	1.85E-03	1.07E-03	3.51E-04	2.19E-05	1.07E-07	2.14E-08

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.65E+00	1.68E-03	6.12E-07	2.92E-17	1.83E-34	0.	0.	0.	0.	0.	0.
SB127	5.43E-02	2.23E-01	1.86E-01	1.09E-01	4.46E-02	7.45E-03	1.24E-03	3.48E-05	4.54E-09	7.75E-17	1.32E-24
TE127M	4.39E-10	3.40E-04	6.22E-04	1.21E-03	1.67E-03	1.84E-03	1.77E-03	1.57E-03	1.15E-03	6.06E-04	3.20E-04
TE127	3.06E-02	1.59E-01	1.57E-01	9.54E-02	4.03E-02	8.27E-03	2.83E-03	1.59E-03	1.13E-03	5.99E-04	3.17E-04
SB128	1.02E+00	1.73E-01	2.73E-02	1.07E-04	1.03E-08	9.71E-17	9.13E-25	8.05E-41	0.	0.	0.
SB129	4.66E+00	2.39E-01	4.98E-03	4.54E-08	1.80E-16	2.85E-33	4.50E-50	0.	0.	0.	0.
TE129M	8.81E-08	9.29E-03	9.29E-03	8.76E-03	7.92E-03	6.45E-03	5.25E-03	3.49E-03	1.26E-03	1.64E-04	2.14E-05
TE129	3.36E+00	2.80E-01	1.16E-02	5.61E-03	5.06E-03	4.13E-03	3.37E-03	2.24E-03	8.08E-04	1.05E-04	1.37E-05
I130	2.14E-02	5.60E-03	1.46E-03	2.62E-05	3.20E-08	4.76E-14	7.11E-20	1.58E-31	0.	0.	0.
TE131M	8.32E-05	2.91E-01	1.67E-01	3.16E-02	1.98E-03	7.72E-06	3.02E-08	4.61E-13	4.19E-25	0.	0.
TE131	7.66E+01	5.31E-02	3.05E-02	5.79E-03	3.61E-04	1.41E-06	5.51E-09	8.43E-14	7.66E-26	0.	0.
I131	1.11E-02	6.01E-01	5.68E-01	4.56E-01	3.00E-01	1.27E-01	5.37E-02	9.59E-03	1.30E-04	2.36E-08	4.30E-12
XE131M	3.02E-11	2.78E-04	5.29E-04	1.10E-03	1.58E-03	1.56E-03	1.16E-03	4.78E-04	3.19E-05	9.53E-08	2.69E-10
TE132	9.01E-01	1.78E+00	1.44E+00	7.59E-01	2.61E-01	3.10E-02	3.67E-03	5.16E-05	1.21E-09	6.60E-19	3.60E-28
I132	2.21E+00	1.84E+00	1.48E+00	7.80E-01	2.70E-01	3.19E-02	3.78E-03	5.32E-05	1.24E-09	6.77E-19	3.71E-28
I133	9.14E-01	5.09E+00	2.30E+00	2.13E-01	4.07E-03	1.47E-06	5.34E-10	7.04E-17	4.43E-34	0.	0.
XE133M	3.89E-08	4.81E-02	5.69E-02	3.34E-02	7.84E-03	3.68E-04	1.71E-05	3.72E-08	8.14E-15	3.89E-28	1.86E-41
XE133	6.79E-07	9.24E-01	1.24E+00	1.11E+00	6.04E-01	1.63E-01	4.39E-02	3.16E-03	4.41E-06	8.54E-12	1.66E-17
I135	1.53E+01	2.50E+00	2.08E-01	1.21E-04	4.92E-10	8.13E-21	1.34E-31	3.63E-53	0.	0.	0.
XE135M	1.69E-03	7.78E-01	6.50E-02	3.78E-05	1.54E-10	2.53E-21	4.17E-32	1.13E-53	0.	0.	0.
XE135	1.76E+00	6.72E+00	1.64E+00	9.40E-03	1.15E-06	1.62E-14	2.27E-22	4.48E-38	0.	0.	0.
CS136	1.70E-03	1.61E-03	1.52E-03	1.30E-03	9.95E-04	5.84E-04	3.43E-04	1.18E-04	8.19E-06	3.95E-08	1.91E-10
CS137	7.01E-05	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.55E-04	7.51E-04	7.47E-04	7.43E-04
BA137M	1.48E-07	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.05E-04	7.01E-04	6.97E-04	6.92E-04
BA139	8.65E+00	9.24E-04	5.45E-09	1.12E-24	0.	0.	0.	0.	0.	0.	0.
BA140	9.25E-02	5.46E-01	5.20E-01	4.40E-01	3.36E-01	1.96E-01	1.14E-01	3.85E-02	2.57E-03	1.14E-05	5.06E-08
LA140	2.20E-07	1.90E-01	3.06E-01	4.23E-01	3.76E-01	2.25E-01	1.31E-01	4.45E-02	2.95E-03	1.32E-05	5.86E-08
LA141	1.16E+00	4.60E-01	6.45E-03	1.79E-08	9.76E-18	2.91E-36	8.69E-55	0.	0.	0.	0.
CE141	1.43E-07	1.59E-01	1.50E-01	1.48E-01	1.33E-01	1.07E-01	8.66E-02	5.64E-02	1.94E-02	2.28E-03	2.69E-04
LA142	5.67E+00	1.24E-03	2.41E-08	1.77E-22	0.	0.	0.	0.	0.	0.	0.
CE143	3.70E-02	1.52E+00	9.20E-01	2.03E-01	1.63E-02	1.05E-04	6.82E-07	2.86E-11	3.23E-22	0.	0.
PR143	1.08E-08	9.74E-02	1.52E-01	1.96E-01	1.68E-01	1.02E-01	6.17E-02	2.23E-02	1.78E-03	1.13E-05	7.19E-08
CE144	1.67E-03	1.19E-02	1.19E-02	1.18E-02	1.17E-02	1.14E-02	1.11E-02	1.06E-02	9.36E-03	7.33E-03	5.76E-03
PR144	4.58E-07	1.19E-02	1.19E-02	1.18E-02	1.17E-02	1.14E-02	1.11E-02	1.06E-02	9.36E-03	7.33E-03	5.76E-03
PR145	6.81E-02	6.96E-01	4.31E-02	1.02E-05	9.31E-12	7.71E-24	6.39E-36	0.	0.	0.	0.
ND147	9.32E-06	1.57E-01	1.47E-01	1.22E-01	8.93E-02	4.80E-02	2.56E-02	7.36E-03	3.23E-04	6.29E-07	1.22E-09
PM147	2.59E-14	1.17E-04	2.27E-04	5.18E-04	8.96E-04	1.37E-03	1.62E-03	1.80E-03	1.82E-03	1.69E-03	1.57E-03
ND149	1.64E+01	1.58E-03	1.53E-07	1.40E-19	1.19E-39	0.	0.	0.	0.	0.	0.
PM149	2.28E-03	4.21E-01	3.08E-01	1.20E-01	2.51E-02	1.10E-03	4.76E-05	9.06E-08	1.43E-14	3.53E-28	8.78E-42
PM150	1.85E-01	3.90E-04	8.21E-07	7.71E-15	3.22E-28	0.	0.	0.	0.	0.	0.

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.54E-02	3.10E-01	1.71E-01	2.88E-02	1.48E-03	3.87E-06	1.02E-08	7.04E-14	8.83E-27	0.	0.
SM153	1.63E-01	1.14E-01	8.04E-02	2.78E-02	4.72E-03	1.37E-04	3.99E-06	3.35E-09	6.91E-17	2.94E-32	1.25E-47
SM156	1.43E-01	2.44E-02	4.16E-03	2.05E-05	2.95E-09	6.06E-17	1.25E-24	5.33E-40	0.	0.	0.
EU155	5.45E-06	1.85E-04	1.84E-04	1.84E-04	1.84E-04	1.83E-04	1.82E-04	1.81E-04	1.78E-04	1.70E-04	1.64E-04
EU156	4.18E-04	3.40E-03	3.77E-03	3.38E-03	2.68E-03	1.69E-03	1.06E-03	4.22E-04	4.18E-05	4.12E-07	4.06E-09
EU157	1.64E-02	1.89E-02	6.36E-03	2.39E-04	1.00E-06	1.77E-11	3.13E-16	9.74E-26	0.	0.	0.
GD159	3.08E-03	6.05E-03	2.41E-03	1.50E-04	1.48E-06	1.43E-10	1.39E-14	1.30E-22	1.11E-42	0.	0.
TB161	5.57E-05	3.64E-04	3.28E-04	2.43E-04	1.47E-04	5.39E-05	1.97E-05	2.64E-06	1.75E-08	7.56E-13	3.28E-17
TOTAL	2.86E+02	9.90E+01	4.72E+01	1.58E+01	5.85E+00	1.95E+00	1.12E+00	5.94E-01	2.52E-01	8.94E-02	4.59E-02

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.62E-05	1.40E-07	1.30E-08	1.21E-09	9.72E-13	7.78E-16	5.82E-20	3.73E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	6.43E-04	2.32E-06	1.39E-07	8.38E-09	1.82E-12	3.93E-16	5.12E-21	2.40E-28	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	7.63E-05	1.98E-06	3.21E-07	5.16E-08	2.18E-10	9.13E-13	6.18E-16	1.09E-20	0.	0.	0.
U234	0.	0.	0.	0	0.	0.	0.	0.	0.	0.	0.
U237	1.49E+00	3.71E-09	3.61E-09	3.51E-09	3.29E-09	3.05E-09	2.78E-09	2.41E-09	1.50E-09	7.35E-10	3.61E-10
AM241	5.26E-12	5.26E-12	5.26E-12	5.26E-12	5.28E-12	5.31E-12	5.31E-12	5.33E-12	5.36E-12	5.31E-12	5.23E-12
CM242	1.05E-08	2.22E-09	1.02E-09	4.70E-10	4.58E-11	4.46E-12	2.00E-13	1.89E-15	5.43E-20	5.06E-20	4.73E-20
KR 85	3.92E-06	9.75E-05	9.44E-05	9.14E-05	8.33E-05	7.52E-05	6.62E-05	5.45E-05	2.88E-05	1.10E-05	4.21E-06
SR 89	2.75E-06	6.43E-04	5.63E-05	4.94E-06	3.33E-09	2.25E-12	1.33E-16	6.03E-23	4.38E-44	0.	0.
SR 90	5.18E-06	5.18E-04	5.14E-04	5.09E-04	4.90E-04	4.71E-04	4.49E-04	4.16E-04	3.26E-04	2.25E-04	1.55E-04
Y 90	7.68E-12	5.18E-04	5.14E-04	5.09E-04	4.90E-04	4.71E-04	4.49E-04	4.16E-04	3.26E-04	2.25E-04	1.55E-04
Y 91	1.72E-08	1.16E-03	1.35E-04	1.57E-05	2.46E-08	3.86E-11	7.06E-15	1.73E-20	3.50E-39	0.	0.
ZR 95	5.05E-04	1.30E-03	1.85E-04	2.63E-05	7.68E-08	2.24E-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	4.74E-12	1.96E-15	1.66E-20	2.03E-37	0.	0.
NB 95	5.62E-11	2.79E-03	4.01E-04	5.71E-05	1.66E-07	4.80E-10	2.01E-13	1.69E-18	2.07E-35	0.	0.
RU103	9.43E-05	3.66E-04	1.50E-05	6.16E-07	4.21E-11	2.88E-15	8.10E-21	3.81E-29	0.	0.	0.
RH103M	6.28E-09	3.67E-04	1.50E-05	6.16E-07	4.21E-11	2.89E-15	8.10E-21	3.81E-29	0.	0.	0.
RU106	5.79E-04	5.50E-03	3.89E-03	2.76E-03	9.82E-04	3.49E-04	8.77E-05	1.11E-05	1.12E-08	3.60E-13	1.16E-17
RH106	6.26E-06	5.50E-03	3.89E-03	2.76E-03	9.82E-04	3.49E-04	8.77E-05	1.11E-05	1.12E-08	3.60E-13	1.16E-17
SN123	2.06E-05	2.85E-04	1.03E-04	3.75E-05	1.80E-06	8.64E-08	1.51E-09	3.47E-12	5.56E-21	3.58E-34	2.30E-47
SB125	2.79E-04	5.61E-04	4.93E-04	4.34E-04	2.96E-04	2.01E-04	1.20E-04	5.57E-05	4.28E-06	9.11E-08	1.94E-09
TE125M	7.51E-12	2.29E-04	2.04E-04	1.79E-04	1.22E-04	8.33E-05	4.98E-05	2.30E-05	1.77E-06	3.77E-08	8.03E-10
TE127M	4.39E-10	2.10E-04	6.57E-05	2.06E-05	6.33E-07	1.95E-08	1.87E-10	1.76E-13	1.45E-23	1.08E-38	8.05E-54
TE127	3.06E-02	2.08E-04	6.50E-05	2.03E-05	6.25E-07	1.92E-08	1.85E-10	1.74E-13	1.43E-23	1.07E-38	7.97E-54
CS137	7.01E-05	7.39E-04	7.30E-04	7.22E-04	6.97E-04	6.71E-04	6.42E-04	6.00E-04	4.74E-04	3.37E-04	2.38E-04
BA137M	1.48E-07	6.92E-04	6.84E-04	6.76E-04	6.50E-04	6.29E-04	6.00E-04	5.62E-04	4.45E-04	3.15E-04	2.23E-04
CE141	1.43E-07	6.18E-05	1.24E-06	2.50E-08	2.03E-13	1.65E-18	2.71E-25	1.80E-35	0.	0.	0.
CE144	1.67E-03	4.91E-03	3.15E-03	2.01E-03	5.28E-04	1.39E-04	2.34E-05	1.61E-06	2.17E-10	3.40E-16	5.31E-22
PR144	4.58E-07	4.91E-03	3.15E-03	2.01E-03	5.28E-04	1.39E-04	2.34E-05	1.61E-06	2.17E-10	3.40E-16	5.31E-22
PM147	2.59E-14	1.50E-03	1.31E-03	1.15E-03	7.75E-04	5.21E-04	3.06E-04	1.39E-04	9.87E-06	1.87E-07	3.53E-09
EU155	5.45E-06	1.60E-04	1.48E-04	1.38E-04	1.11E-04	8.92E-05	6.66E-05	4.30E-05	1.00E-05	1.13E-06	1.27E-07
TOTAL	1.52E+00	3.32E-02	1.98E-02	1.41E-02	6.74E-03	4.19E-03	2.97E-03	2.34E-03	1.62E-03	1.11E-03	7.76E-04

PAGE 2

YANKEE
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	1.20E+02	1.29E+04
1.00E+00		3.71E+01	2.49E+03
2.00E+00		1.43E+01	9.40E+02
3.00E+00		7.37E+00	5.52E+02
4.00E+00		4.44E+00	3.95E+02
6.00E+00		2.26E+00	2.60E+02
9.00E+00		1.35E+00	1.78E+02
1.20E+01		1.00E+00	1.37E+02
1.50E+01		7.88E-01	1.10E+02
1.80E+01		6.43E-01	9.17E+01
2.10E+01		5.36E-01	7.80E+01
1.00E+00	DAYS	4.51E-01	6.68E+01
2.00E+00		2.04E-01	3.00E+01
5.00E+00		8.57E-02	1.10E+01
1.00E+01		4.04E-02	4.99E+00
2.00E+01		1.56E-02	2.03E+00
3.00E+01		8.49E-03	1.22E+00
5.00E+01		3.48E-03	6.50E-01
1.00E+02		8.27E-04	2.61E-01
2.00E+02		2.08E-04	8.10E-02
3.00E+02		8.87E-05	3.97E-02
1.00E+00	YEARS	6.22E-05	2.99E-02
1.50E+00		3.67E-05	1.90E-02
2.00E+00		2.83E-05	1.42E-02
3.50E+00		1.72E-05	7.51E-03
5.00E+00		1.28E-05	5.04E-03
7.00E+00		1.03E-05	3.82E-03
1.00E+01		8.69E-06	3.17E-03
2.00E+01		6.42E-06	2.33E-03
3.50E+01		4.53E-06	1.61E-03
5.00E+01		3.20E-06	1.12E-03

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.69E-06	4.69E-06	4.69E-06	4.69E-06	4.69E-06	4.68E-06	4.67E-06	4.66E-06	4.65E-06	4.64E-06	4.64E-06
NA 24	4.64E-02	4.44E-02	4.24E-02	4.04E-02	3.86E-02	3.52E-02	3.06E-02	2.67E-02	2.33E-02	2.03E-02	1.76E-02
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04
FE 59	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.85E-04	1.85E-04	1.85E-04	1.84E-04	1.84E-04
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.83E-02	7.41E-02	7.02E-02	6.66E-02	6.30E-02	5.66E-02	4.80E-02	4.09E-02	3.47E-02	2.96E-02	2.51E-02
CU 67	2.13E-04	2.11E-04	2.07E-04	2.05E-04	2.04E-04	1.98E-04	1.91E-04	1.85E-04	1.80E-04	1.73E-04	1.68E-04
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	2.92E-02	2.83E-02	2.75E-02	2.67E-02	2.60E-02	2.45E-02	2.25E-02	2.06E-02	1.89E-02	1.74E-02	1.59E-02
W188	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04
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	7.09E-04	6.99E-04	6.89E-04	6.79E-04	6.69E-04	6.54E-04	6.29E-04	6.05E-04	5.80E-04	5.55E-04	5.35E-04
U237	4.30E-01	4.29E-01	4.27E-01	4.25E-01	4.23E-01	4.19E-01	4.14E-01	4.09E-01	4.03E-01	3.98E-01	3.93E-01
U239	1.25E+03	2.14E+02	3.65E+01	6.22E+00	1.06E+00	3.08E-02	1.52E-04	7.53E-07	3.72E-09	1.84E-11	9.11E-14
U240	1.22E+01	1.16E+01	1.10E+01	1.05E+01	1.00E+01	9.06E+00	7.82E+00	6.73E+00	5.82E+00	5.01E+00	4.32E+00
NP239	4.29E-03	7.20E+00	8.32E+00	8.45E+00	8.38E+00	8.19E+00	7.86E+00	7.59E+00	7.33E+00	7.06E+00	6.80E+00
NP240M	1.92E-02	1.16E+01	1.11E+01	1.06E+01	1.01E+01	9.13E+00	7.88E+00	6.80E+00	5.86E+00	5.06E+00	4.37E+00
NP240	4.87E-10	2.51E-10	1.30E-10	6.71E-11	3.47E-11	9.29E-12	1.28E-12	1.77E-13	2.44E-14	3.36E-15	4.64E-16
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
CM242	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.04E-09	3.02E-09	3.02E-09	3.02E-09	3.02E-09	3.02E-09
GE 75	6.12E-05	2.96E-01	1.79E-01	1.08E-01	6.47E-02	2.35E-02	5.12E-03	1.12E-03	2.45E-04	5.34E-05	1.17E-05
GE 77	1.96E-02	5.06E-02	4.76E-02	4.47E-02	4.21E-02	3.72E-02	3.10E-02	2.57E-02	2.15E-02	1.78E-02	1.48E-02
AS 77	2.03E-04	3.21E-02	3.24E-02	3.27E-02	3.29E-02	3.31E-02	3.31E-02	3.29E-02	3.24E-02	3.17E-02	3.09E-02
SE 77M	8.00E-09	9.60E-05	9.75E-05	9.82E-05	9.82E-05	9.89E-05	9.96E-05	9.89E-05	9.75E-05	9.53E-05	9.24E-05
GE 78	2.09E+00	1.31E+00	8.14E-01	5.09E-01	3.18E-01	1.24E-01	3.00E-02	7.27E-03	1.77E-03	4.31E-04	1.05E-04
AS 78	3.77E-02	6.25E-01	7.71E-01	7.22E-01	6.04E-01	3.56E-01	1.32E-01	4.39E-02	1.36E-02	4.07E-03	1.18E-03
AS 79	3.32E+01	3.27E-01	3.22E-03	3.17E-05	3.12E-07	3.03E-11	2.89E-17	2.75E-23	2.63E-29	2.51E-35	2.40E-41
SE 79M	4.92E-02	5.77E-01	5.70E-03	5.61E-05	5.52E-07	5.34E-11	5.09E-17	4.86E-23	4.64E-29	4.43E-35	4.22E-41
BR 80	1.79E-01	1.69E-02	1.59E-03	1.50E-04	1.41E-05	1.25E-07	1.05E-10	8.72E-14	7.26E-17	6.06E-20	5.06E-23
SE 81M	1.39E-01	6.48E+00	3.13E+00	1.50E+00	7.23E-01	1.69E-01	1.89E-02	2.12E-03	2.38E-04	2.66E-05	2.99E-06
SE 81	1.70E+00	7.66E+00	4.43E+00	2.21E+00	1.07E+00	2.51E-01	2.81E-02	3.14E-03	3.52E-04	3.95E-05	4.43E-06
BR 82	7.31E-04	7.17E-04	7.03E-04	6.90E-04	6.76E-04	6.50E-04	6.13E-04	5.77E-04	5.45E-04	5.13E-04	4.84E-04
SE 83	6.73E+01	1.28E+01	2.42E+00	4.58E-01	8.66E-02	3.12E-03	2.12E-05	1.44E-07	9.85E-10	6.67E-12	4.24E-14
BR 83	5.59E-01	8.35E+00	7.73E+00	6.08E+00	4.62E+00	2.61E+00	1.10E+00	4.64E-01	1.96E-01	8.27E-02	3.49E-02
KR 83M	2.89E-05	1.89E+00	3.86E+00	4.80E+00	4.95E+00	4.13E+00	2.43E+00	1.25E+00	6.03E-01	2.79E-01	1.25E-01

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.29E-01	2.23E+01	6.03E+00	1.63E+00	4.41E-01	3.22E-02	6.37E-04	1.26E-05	2.49E-07	4.92E-09	9.73E-11
KR 85M	5.49E-03	1.18E+01	1.00E+01	8.56E+00	7.31E+00	5.34E+00	3.33E+00	2.08E+00	1.29E+00	8.04E-01	5.02E-01
KR 87	7.04E+01	4.06E+01	2.35E+01	1.36E+01	7.84E+00	2.63E+00	5.10E-01	9.88E-02	1.91E-02	3.70E-03	7.16E-04
KR 88	4.19E+01	3.27E+01	2.55E+01	1.99E+01	1.56E+01	9.45E+00	4.51E+00	2.15E+00	1.02E+00	4.87E-01	2.31E-01
RB 88	1.07E+01	3.31E+01	2.82E+01	2.22E+01	1.74E+01	1.06E+01	5.06E+00	2.41E+00	1.15E+00	5.45E-01	2.59E-01
RB 89	5.20E+01	4.88E+01	3.28E+00	2.21E-01	1.48E-02	6.69E-05	2.03E-08	6.11E-12	1.86E-15	5.64E-19	1.71E-22
SR 89	3.98E-06	1.40E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.48E-01	1.48E-01	1.48E-01
SR 90	7.50E-06	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04
SR 91	8.00E-01	1.49E+01	1.39E+01	1.29E+01	1.20E+01	1.04E+01	8.40E+00	6.79E+00	5.48E+00	4.40E+00	3.55E+00
Y 91M	5.38E-05	5.13E+00	6.99E+00	7.49E+00	7.39E+00	6.64E+00	5.43E+00	4.37E+00	3.52E+00	2.84E+00	2.29E+00
Y 91	2.20E-08	4.56E-03	1.05E-02	1.68E-02	2.29E-02	3.43E-02	4.88E-02	6.03E-02	6.99E-02	7.74E-02	8.35E-02
SR 92	1.37E+00	6.12E+00	4.74E+00	3.67E+00	2.84E+00	1.70E+00	7.90E-01	3.67E-01	1.70E-01	7.90E-02	3.68E-02
Y 92	6.32E-02	1.29E+00	2.02E+00	2.40E+00	2.55E+00	2.43E+00	1.86E+00	1.27E+00	8.16E-01	5.02E-01	3.03E-01
SR 93	5.92E+01	1.02E+00	5.63E-03	3.11E-05	1.71E-07	5.24E-12	8.84E-19	1.49E-25	2.52E-32	4.24E-39	7.15E-46
Y 93	7.22E-02	2.33E+00	2.19E+00	2.05E+00	1.92E+00	1.67E+00	1.36E+00	1.11E+00	9.04E-01	7.42E-01	6.03E-01
Y 94	8.89E+00	1.22E+01	1.56E+00	2.02E-01	2.60E-02	4.32E-04	9.26E-07	1.99E-09	4.25E-12	9.26E-15	5.14E-16
Y 95	3.89E+01	3.67E+00	8.08E-02	1.78E-03	3.92E-05	1.90E-08	2.04E-13	2.18E-18	2.33E-23	2.49E-28	2.66E-33
ZR 95	1.46E-04	1.91E-02	1.95E-02	1.95E-02	1.95E-02	1.95E-02	1.95E-02	1.94E-02	1.94E-02	1.94E-02	1.94E-02
NB 95	1.63E-11	1.18E-05	2.75E-05	4.32E-05	5.90E-05	9.04E-05	1.37E-04	1.85E-04	2.31E-04	2.78E-04	3.24E-04
ZR 97	3.86E-01	1.68E+00	1.61E+00	1.55E+00	1.48E+00	1.37E+00	1.21E+00	1.07E+00	9.50E-01	8.37E-01	7.44E-01
NB 97M	1.99E-03	1.61E+00	1.55E+00	1.49E+00	1.43E+00	1.32E+00	1.16E+00	1.03E+00	9.10E-01	8.04E-01	7.11E-01
NB 97	1.93E-01	8.44E-01	1.19E+00	1.36E+00	1.42E+00	1.42E+00	1.29E+00	1.15E+00	1.02E+00	8.97E-01	7.97E-01
NB 98	2.20E+00	9.75E-01	4.31E-01	1.91E-01	8.45E-02	1.65E-02	1.43E-03	1.23E-04	1.08E-05	9.31E-07	8.01E-08
MO 99	1.17E-03	4.84E-01	4.79E-01	4.75E-01	4.69E-01	4.60E-01	4.46E-01	4.32E-01	4.19E-01	4.07E-01	3.94E-01
TC 99M	1.09E-08	4.62E-02	8.67E-02	1.23E-01	1.54E-01	2.05E-01	2.61E-01	2.96E-01	3.18E-01	3.30E-01	3.35E-01
MO101	1.84E+02	8.32E+01	4.83E+00	2.80E-01	1.63E-02	5.45E-05	1.06E-08	2.06E-12	4.01E-16	7.78E-20	1.52E-23
TC101	7.78E+00	2.33E+02	2.55E+01	2.09E+00	1.52E-01	6.88E-04	1.72E-07	3.85E-11	8.17E-15	1.68E-18	3.40E-22
MO102	1.71E+03	3.91E+01	8.89E-01	2.03E-02	4.63E-04	2.40E-07	2.86E-12	3.39E-17	4.02E-22	4.77E-27	5.67E-32
TC102M	1.10E+00	3.30E+01	7.57E-01	1.73E-02	3.94E-04	2.04E-07	2.42E-12	2.87E-17	3.40E-22	4.04E-27	4.79E-32
TC102	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
RU103	1.36E-04	3.17E-01	3.16E-01	3.16E-01	3.16E-01	3.15E-01	3.14E-01	3.14E-01	3.13E-01	3.12E-01	3.11E-01
RH103M	9.10E-09	1.64E-01	2.42E-01	2.81E-01	2.99E-01	3.11E-01	3.14E-01	3.14E-01	3.13E-01	3.12E-01	3.12E-01
TC104	1.09E+02	7.84E+01	7.84E+00	7.77E-01	7.68E-02	7.57E-04	7.39E-07	7.22E-10	7.05E-13	6.89E-16	6.73E-19
RU105	8.90E-01	3.08E+01	2.63E+01	2.26E+01	1.93E+01	1.41E+01	8.84E+00	5.52E+00	3.46E+00	2.16E+00	1.36E+00
RH105M	5.86E-03	3.09E+01	2.64E+01	2.26E+01	1.93E+01	1.42E+01	8.84E+00	5.54E+00	3.47E+00	2.17E+00	1.36E+00
RH105	9.62E-09	6.26E-01	1.16E+00	1.61E+00	1.98E+00	2.53E+00	3.02E+00	3.25E+00	3.31E+00	3.28E+00	3.20E+00
RU106	8.38E-04	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02
RH106	9.06E-06	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02	1.59E-02
RH107	2.45E-01	3.32E+01	5.04E+00	7.59E-01	1.14E-01	2.61E-03	8.99E-06	3.10E-08	1.07E-10	3.65-146	3.63E-17
PD107M	5.09E-04	6.77E+00	1.02E+00	1.54E-01	2.33E-02	5.31E-04	1.83E-06	6.31E-09	2.17E-11	7.49E-14	2.56E-16

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.77E-02	2.30E+00	2.19E+00	2.07E+00	1.97E+00	1.78E+00	1.53E+00	1.31E+00	1.12E+00	9.61E-01	8.26E-01
AG109M	1.60E-04	2.30E+00	2.19E+00	2.08E+00	1.97E+00	1.78E+00	1.53E+00	1.31E+00	1.12E+00	9.61E-01	8.26E-01
PD111M	3.32E+00	2.93E+00	2.58E+00	2.28E+00	2.01E+00	1.56E+00	1.07E+00	7.33E-01	5.02E-01	3.43E-01	2.36E-01
PD111	1.18E+00	2.13E+00	2.05E+00	1.82E+00	1.61E+00	1.25E+00	8.59E-01	5.89E-01	4.03E-01	2.76E-01	1.90E-01
AG111M	9.40E-03	2.88E+00	2.70E+00	2.42E+00	2.13E+00	1.65E+00	1.13E+00	7.72E-01	5.29E-01	3.63E-01	2.48E-01
AG111	3.35E-09	9.92E-03	2.08E-02	3.06E-02	3.93E-02	5.36E-02	6.88E-02	7.88E-02	8.54E-02	8.95E-02	9.20E-02
PD112	9.94E-01	9.64E-01	9.31E-01	9.00E-01	8.73E-01	8.16E-01	7.40E-01	6.70E-01	6.06E-01	5.49E-01	4.97E-01
AG112	3.00E-05	1.91E-01	3.37E-01	4.52E-01	5.37E-01	6.43E-01	7.06E-01	7.03E-01	6.70E-01	6.25E-01	5.76E-01
AG113	1.20E-02	2.57E+00	2.26E+00	1.98E+00	1.74E+00	1.34E+00	9.05E-01	6.11E-01	4.12E-01	2.78E-01	1.88E-01
AG115	4.45E+00	4.76E+00	5.93E-01	7.41E-02	9.28E-03	1.45E-04	2.83E-07	5.54E-10	1.07E-12	1.07-161	9.88E-16
CD115M	3.63E-08	9.67E-04	1.09E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.09E-03	1.09E-03	1.09E-03
CD115	1.40E-05	2.65E-01	2.85E-01	2.84E-01	2.81E-01	2.73E-01	2.63E-01	2.53E-01	2.43E-01	2.34E-01	2.25E-01
IN115M	1.75E-10	2.92E-02	6.49E-02	9.63E-02	1.23E-01	1.64E-01	2.02E-01	2.23E-01	2.32E-01	2.34E-01	2.33E-01
CD117	3.18E-01	5.30E+00	3.99E+00	2.98E+00	2.24E+00	1.25E+00	5.26E-01	2.22E-01	9.33E-02	3.92E-02	1.65E-02
IN117M	1.53E-05	1.84E+00	2.67E+00	2.90E+00	2.80E+00	2.21E+00	1.26E+00	6.46E-01	3.10E-01	1.44E-01	6.49E-02
IN117	6.16E-10	3.36E-01	8.13E-01	1.13E+00	1.26E+00	1.16E+00	7.39E-01	3.96E-01	1.97E-01	9.25E-02	4.25E-02
CD118	2.11E+01	9.03E+00	3.88E+00	1.65E+00	7.07E-01	1.29E-01	1.02E-02	7.94E-04	6.25E-05	4.89E-06	3.84E-07
IN118	1.40E+00	9.03E+00	3.88E+00	1.66E+00	7.07E-01	1.30E-01	1.02E-02	7.98E-04	6.25E-05	4.89E-06	3.84E-07
CD119	5.26E+01	8.20E-01	1.28E-02	2.00E-04	3.13E-06	7.65E-10	2.92E-15	1.11E-20	4.24E-26	1.62E-31	6.20E-37
IN119M	7.93E-02	8.87E+00	9.65E-01	9.73E-02	9.69E-03	9.54E-05	9.30E-08	9.10E-11	8.87E-14	8.67E-17	8.48E-20
IN119	3.91E+00	4.67E-01	5.42E-02	5.49E-03	5.49E-04	5.38E-06	5.26E-09	5.14E-12	5.02E-15	4.91E-18	4.79E-21
SN121	6.50E-03	6.69E-01	6.50E-01	6.35E-01	6.19E-01	5.89E-01	5.43E-01	5.05E-01	4.67E-01	4.32E-01	4.02E-01
SN123M	3.17E+00	5.93E+00	2.10E+00	7.43E-01	2.62E-01	3.28E-02	1.45E-03	6.42E-05	2.84E-06	1.25E-07	5.54E-09
SN123	2.98E-05	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.11E-03
SN125	6.72E-02	6.71E-02	6.69E-02	6.67E-02	6.64E-02	6.60E-02	6.55E-02	6.48E-02	6.43E-02	6.36E-02	6.30E-02
SB125	4.04E-04	4.06E-04	4.07E-04	4.09E-04	4.11E-04	4.14E-04	4.21E-04	4.27E-04	4.32E-04	4.37E-04	4.42E-04
SB126	8.13E-03	8.10E-03	8.09E-03	8.07E-03	8.05E-03	8.01E-03	7.96E-03	7.91E-03	7.84E-03	7.79E-03	7.74E-03
SN127	6.73E+00	4.83E+00	3.47E+00	2.50E+00	1.80E+00	9.29E-01	3.45E-01	1.28E-01	4.76E-02	1.77E-02	6.57E-03
SB127	7.86E-02	2.71E-01	3.00E-01	3.19E-01	3.33E-01	3.47E-01	3.53E-01	3.50E-01	3.44E-01	3.37E-01	3.30E-01
TE127	4.44E-02	5.53E-02	6.71E-02	7.96E-02	9.21E-02	1.15E-01	1.48E-01	1.73E-01	1.92E-01	2.07E-01	2.17E-01
SN128	3.49E+01	1.72E+01	8.52E+00	4.21E+00	2.08E+00	5.08E-01	6.13E-02	7.40E-03	8.93E-04	1.08E-04	1.30E-05
SB128M	1.78E-02	1.96E+01	1.02E+01	5.02E+00	2.48E+00	6.07E-01	7.31E-02	8.82E-03	1.06E-03	1.29E-04	1.55E-05
SB128	1.47E+00	1.42E+00	1.33E+00	1.25E+00	1.17E+00	9.99E-01	7.97E-01	6.33E-01	5.02E-01	3.99E-01	3.16E-01
SN129M	1.80E+01	8.97E+00	4.50E+00	2.25E+00	1.12E+00	2.81E-01	3.52E-02	4.40E-03	5.49E-04	6.87E-05	8.59E-06
SN129	1.20E+02	1.18E+00	1.16E-02	1.15E-04	1.12E-06	1.09E-10	1.04E-16	9.95E-23	9.50E-29	9.04E-35	8.66E-41
SB129	6.75E+00	1.13E+01	1.06E+01	9.50E+00	8.36E+00	6.21E+00	3.87E+00	2.39E+00	1.47E+00	9.12E-01	5.61E-01
TE129M	1.28E-07	1.41E-03	2.91E-03	4.28E-03	5.49E-03	7.45E-03	9.42E-03	1.06E-02	1.14E-02	1.19E-02	1.22E-02
TE129	4.86E+00	6.69E+00	7.83E+00	8.13E+00	7.83E+00	6.48E+00	4.32E+00	2.72E+00	1.69E+00	1.05E+00	6.50E-01
SB130M	6.50E-01	1.23E+00	3.22E-03	8.46E-06	2.23E-08	1.54E-13	2.80E-21	5.09E-29	9.23E-37	1.68E-44	3.05E-52
SB130	1.11E+02	3.37E+01	9.58E+00	2.71E+00	7.68E-01	6.18E-02	1.41E-03	3.21E-05	7.33E-07	1.67E-08	3.81E-10

YANKEE MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.10E-02	2.93E-02	2.78E-02	2.62E-02	2.48E-02	2.22E-02	1.87E-02	1.59E-02	1.34E-02	1.13E-02	9.58E-03
SB131	2.51E+02	6.54E+01	1.07E+01	1.76E+00	2.88E-01	7.76E-03	3.42E-05	1.51E-07	6.64E-10	2.93E-12	1.46E-14
TE131M	1.20E-04	6.30E-01	7.19E-01	7.20E-01	7.06E-01	6.75E-01	6.30E-01	5.87E-01	5.48E-01	5.12E-01	4.77E-01
TE131	1.11E+02	1.20E+02	3.93E+01	1.02E+01	2.48E+00	2.33E-01	1.16E-01	1.07E-01	9.98E-02	9.34E-02	8.70E-02
I131	1.61E-02	5.59E-01	8.22E-01	9.02E-01	9.18E-01	9.26E-01	9.26E-01	9.18E-01	9.18E-01	9.10E-01	9.10E-01
TE132	1.30E+00	3.17E+00	3.14E+00	3.11E+00	3.08E+00	3.03E+00	2.95E+00	2.87E+00	2.80E+00	2.72E+00	2.65E+00
I132	3.20E+00	3.19E+00	3.18E+00	3.17E+00	3.15E+00	3.11E+00	3.03E+00	2.96E+00	2.88E+00	2.81E+00	2.73E+00
TE133M	1.52E-01	5.27E+01	2.29E+01	9.98E+00	4.34E+00	8.25E-01	6.78E-02	5.60E-03	4.61E-04	3.80E-05	3.14E-06
TE133	8.53E+02	4.84E+01	5.38E+00	1.78E+00	7.52E-01	1.42E-01	1.18E-02	9.69E-04	8.03E-05	6.60E-06	5.45E-07
I133	1.32E+00	1.42E+01	1.54E+01	1.54E+01	1.51E+01	1.43E+01	1.30E+01	1.18E+01	1.06E+01	9.69E+00	8.75E+00
XE133M	5.63E-08	3.20E-03	7.74E-03	1.24E-02	1.69E-02	2.53E-02	3.67E-02	4.65E-02	5.48E-02	6.20E-02	6.79E-02
XE133	9.84E-07	5.60E-02	1.36E-01	2.17E-01	2.98E-01	4.51E-01	6.62E-01	8.46E-01	1.01E+00	1.16E+00	1.29E+00
TE134	2.67E+02	1.24E+02	4.60E+01	1.71E+01	6.35E+00	8.80E-01	4.50E-02	2.30E-03	1.18E-04	6.06E-06	3.11E-07
I134	1.22E+02	1.63E+02	1.15E+02	6.71E+01	3.60E+01	9.15E+00	1.01E+00	1.03E-01	1.01E-02	9.64E-04	9.15E-05
I135	2.21E+01	3.90E+01	3.52E+01	3.17E+01	2.86E+01	2.32E+01	1.71E+01	1.25E+01	9.16E+00	6.74E+00	4.92E+00
XE135M	2.45E-03	1.13E+01	1.09E+01	9.93E+00	8.91E+00	7.25E+00	5.33E+00	3.90E+00	2.86E+00	2.10E+00	1.54E+00
XE135	2.55E+00	5.05E+00	7.38E+00	9.29E+00	1.08E+01	1.30E+01	1.44E+01	1.44E+01	1.37E+01	1.25E+01	1.12E+01
CS136	2.45E-03	2.45E-03	2.44E-03	2.44E-03	2.43E-03	2.42E-03	2.40E-03	2.39E-03	2.37E-03	2.36E-03	2.34E-03
CS137	1.01E-04	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03
BA137M	2.14E-07	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03
XE138	8.55E+02	7.36E+01	6.39E+00	5.54E-01	4.80E-02	3.60E-04	2.34E-07	1.52E-10	9.87E-14	6.41E-17	4.17E-20
CS138	1.27E+02	2.14E+02	7.42E+01	2.18E+01	6.11E+00	4.65E-01	9.68E-03	2.01E-04	4.17E-06	8.68E-08	1.80E-09
CS139	6.79E+02	2.17E+01	2.71E-01	3.41E-03	4.28E-05	6.72E-09	1.34E-14	2.64E-20	5.23E-26	1.04E-31	2.05E-37
BA139	1.25E+01	1.40E+02	8.61E+01	5.23E+01	3.17E+01	1.16E+01	2.58E+00	5.72E-01	1.27E-01	2.82E-02	6.26E-03
BA140	1.15E-01	7.17E-01	7.17E-01	7.12E-01	7.12E-01	7.06E-01	7.06E-01	7.01E-01	6.96E-01	6.90E-01	6.85E-01
LA140	2.73E-07	1.23E-02	2.43E-02	3.61E-02	4.76E-02	7.01E-02	1.02E-01	1.33E-01	1.61E-01	1.88E-01	2.13E-01
BA141	1.08E+02	3.28E+01	3.25E+00	3.23E-01	3.20E-02	3.17E-04	3.10E-07	3.02E-10	2.94E-13	2.89E-16	2.81E-19
LA141	1.00E+00	2.12E+01	1.98E+01	1.68E+01	1.41E+01	9.86E+00	5.78E+00	3.38E+00	1.99E+00	1.17E+00	6.84E-01
CE141	1.24E-07	1.38E-02	3.23E-02	4.85E-02	6.22E-02	8.34E-02	1.03E-01	1.15E-01	1.22E-01	1.26E-01	1.28E-01
BA142	7.15E+01	2.84E+00	6.48E-02	1.48E-03	3.37E-05	1.75E-08	2.08E-13	2.47E-18	2.93E-23	3.47E-28	4.12E-33
LA142	1.64E+00	1.14E+01	7.51E+00	4.78E+00	3.04E+00	1.23E+00	3.17E-01	8.18E-02	2.11E-02	5.43E-03	1.40E-03
LA143	2.68E+01	5.24E+00	2.68E-01	1.38E-02	7.09E-04	1.86E-06	2.50E-10	3.37E-14	4.55E-18	6.13E-22	8.28E-26
CE143	1.07E-02	6.83E-01	7.09E-01	6.90E-01	6.77E-01	6.52E-01	6.11E-01	5.74E-01	5.39E-01	5.05E-01	4.75E-01
PR143	3.14E-09	1.05E-03	2.53E-03	3.99E-03	5.43E-03	8.21E-03	1.21E-02	1.58E-02	1.92E-02	2.24E-02	2.53E-02
CE144	4.83E-04	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03
PR144	1.33E-07	3.15E-03	3.44E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03
PR145	1.97E-02	2.90E+00	2.58E+00	2.29E+00	2.05E+00	1.62E+00	1.14E+00	8.06E-01	5.71E-01	4.03E-01	2.85E-01
CE146	6.42E+01	3.29E+00	1.69E-01	8.62E-03	4.44E-04	1.17E-06	1.57E-10	2.12E-14	2.86E-18	3.85E-22	5.19E-26
PR146	1.33E+00	1.15E+01	2.62E+00	4.92E-01	8.84E-02	2.78E-03	1.54E-05	8.47E-08	4.69E-10	2.59E-12	1.42E-14
PR147	7.56E+00	2.19E+00	6.83E-02	2.13E-03	6.67E-05	6.51E-08	1.99E-12	6.08E-17	1.85E-21	5.66E-26	1.72E-30

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.70E-06	5.08E-02	5.22E-02	5.21E-02	5.20E-02	5.17E-02	5.13E-02	5.09E-02	5.05E-02	5.01E-02	4.97E-02
ND149	4.74E+00	3.22E+00	2.19E+00	1.50E+00	1.01E+00	4.70E-01	1.48E-01	4.67E-02	1.47E-02	4.62E-03	1.46E-03
PM149	6.60E-04	5.16E-02	8.56E-02	1.08E-01	1.23E-01	1.38E-01	1.43E-01	1.41E-01	1.37E-01	1.32E-01	1.27E-01
PM150	5.35E-02	4.13E-02	3.20E-02	2.47E-02	1.91E-02	1.15E-02	5.31E-03	2.45E-03	1.14E-03	5.26E-04	2.44E-04
ND151	2.08E+01	6.49E-01	2.03E-02	6.34E-04	1.98E-05	1.94E-08	5.91E-13	1.81E-17	5.50E-22	1.68E-26	5.13E-31
PM151	1.32E-02	1.54E-01	1.55E-01	1.51E-01	1.47E-01	1.40E-01	1.30E-01	1.20E-01	1.12E-01	1.04E-01	9.64E-02
PM152	3.26E+01	3.19E-02	3.11E-05	3.03E-08	2.96E-11	2.83E-17	2.64E-26	2.46E-35	2.29E-44	2.14E-53	1.99E-62
SM153	4.72E-02	4.65E-02	4.59E-02	4.51E-02	4.45E-02	4.32E-02	4.14E-02	3.95E-02	3.78E-02	3.62E-02	3.47E-02
SM155	2.15E+00	3.53E-01	5.78E-02	9.46E-03	1.55E-03	4.18E-05	1.84E-07	8.11E-10	3.58E-12	1.59E-14	3.91E-17
EU155	1.58E-06	4.50E-05	5.21E-05	5.33E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05	5.35E-05
SM156	4.14E-02	3.84E-02	3.57E-02	3.32E-02	3.08E-02	2.66E-02	2.13E-02	1.71E-02	1.37E-02	1.10E-02	8.78E-03
EU156	1.21E-04	1.98E-04	2.68E-04	3.34E-04	3.95E-04	5.04E-04	6.41E-04	7.42E-04	8.31E-04	8.96E-04	9.43E-04
EU157	4.74E-03	1.57E-02	1.50E-02	1.43E-02	1.37E-02	1.25E-02	1.09E-02	9.52E-03	8.29E-03	7.22E-03	6.29E-03
EU158	1.50E-01	6.06E-02	2.45E-02	9.93E-03	4.02E-03	6.58E-04	4.38E-05	2.91E-06	1.93E-07	1.28E-08	8.51E-10
EU159	2.08E-01	2.07E-02	2.05E-03	2.03E-04	2.02E-05	1.99E-07	1.94E-10	1.90E-13	1.85E-16	1.81E-19	1.77E-22
GD159	8.91E-04	3.90E-03	4.06E-03	3.93E-03	3.79E-03	3.51E-03	3.13E-03	2.79E-03	2.48E-03	2.21E-03	1.97E-03
TB161	1.61E-05	1.16E-04	1.15E-04	1.15E-04	1.15E-04	1.13E-04	1.12E-04	1.11E-04	1.09E-04	1.08E-04	1.07E-04
TOTAL	1.29E+04	2.49E+03	9.40E+02	5.52E+02	3.95E+02	2.60E+02	1.78E+02	1.37E+02	1.10E+02	9.17E+01	7.80E+01

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.69E-06	4.64E-06	4.57E-06	4.40E-06	4.12E-06	3.62E-06	3.18E-06	2.45E-06	1.28E-06	3.48E-07	9.46E-08
NA 24	4.64E-02	1.53E-02	5.05E-03	1.81E-04	7.09E-07	1.08E-11	1.65E-16	3.85E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 55	5.11E-04	5.11E-04	5.11E-04	5.09E-04	5.08E-04	5.05E-04	5.00E-04	4.94E-04	4.74E-04	4.42E-04	4.10E-04
FE 59	1.86E-04	1.83E-04	1.81E-04	1.73E-04	1.60E-04	1.37E-04	1.17E-04	8.63E-05	4.01E-05	8.54E-06	1.83E-06
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CU 64	7.83E-02	2.13E-02	5.82E-03	1.18E-04	1.77E-07	4.03E-13	9.13E-19	4.70E-30	0.	0.	0.
CU 67	2.13E-04	1.62E-04	1.24E-04	5.51E-05	1.43E-05	9.67E-07	6.52E-08	2.96E-10	4.14E-16	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	2.92E-02	1.46E-02	7.22E-03	9.01E-04	2.77E-05	2.64E-08	2.49E-11	2.25E-19	0.	0.	0.
W188	1.10E-04	1.09E-04	1.08E-04	1.05E-04	1.00E-04	9.02E-05	8.17E-05	6.70E-05	4.06E-05	1.50E-05	5.51E-06
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	5.15E-04	3.74E-04	1.43E-04	2.90E-05	1.19E-06	4.90E-08	8.23E-11	9.62E-18	0.	0.	0.
U237	4.30E-01	3.88E-01	3.50E-01	2.58E-01	1.54E-01	5.52E-02	1.98E-02	2.53E-03	1.49E-05	1.61E-09	1.08E-09
U240	1.22E+01	3.75E+00	1.15E+00	3.33E-02	9.15E-05	6.87E-10	5.17E-15	2.92E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	4.29E-03	6.55E+00	4.88E+00	2.01E+00	4.61E-01	2.41E-02	1.26E-03	3.46E-06	1.36E-12	3.25E-22	3.25E-22
NP240M	1.92E-02	3.77E+00	1.16E+00	3.36E-02	9.22E-05	6.94E-10	5.22E-15	2.94E-25	0.	0.	0.
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
CM242	3.04E-09	3.02E-09	3.00E-09	2.97E-09	2.91E-09	2.78E-09	2.67E-09	2.45E-09	2.00E-09	1.30E-09	8.49E-10
GE 77	1.96E-02	1.24E-02	2.83E-03	3.42E-05	2.17E-08	8.80E-15	3.55E-21	5.80E-34	0.	0.	0.
AS 77	2.03E-04	3.00E-02	2.17E-02	6.27E-03	7.35E-04	9.96E-06	1.35E-07	2.49E-11	1.16E-20	2.48E-39	5.32E-58
SE 77M	8.00E-09	9.02E-05	6.50E-05	1.88E-05	2.20E-06	2.99E-08	4.06E-10	7.49E-14	3.47E-23	7.42E-42	1.60E-60
AS 78	3.77E-02	3.35E-04	9.82E-09	8.29E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7.31E-04	4.56E-04	2.85E-04	6.93E-05	6.56E-06	5.90E-08	5.29E-10	4.28E-14	2.50E-24	8.56E-45	2.92E-65
BR 83	5.59E-01	1.47E-02	1.48E-05	1.50E-14	1.54E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.89E-05	6.44E-02	7.32E-05	6.58E-14	6.75E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.49E-03	3.14E-01	7.14E-03	8.48E-08	5.23E-16	1.99E-32	7.53E-49	0.	0.	0.	0.
KR 85	5.68E-06	1.49E-04	1.52E-04	1.52E-04	1.52E-04	1.52E-04	1.52E-04	1.51E-04	1.50E-04	1.47E-04	1.45E-04
KR 87	7.04E+01	1.39E-04	2.75E-10	2.13E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.19E+01	1.10E-01	2.89E-04	5.26E-12	6.62E-25	0.	0.	0.	0.	0.	0.
RB 88	1.07E+01	1.23E-01	3.24E-04	5.88E-12	7.37E-25	0.	0.	0.	0.	0.	0.
SR 89	3.98E-06	1.19E-01	1.18E-01	1.13E-01	1.06E-01	9.25E-02	8.09E-02	6.23E-02	3.18E-02	8.38E-03	2.21E-03
SR 90	7.50E-06	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.71E-04	7.64E-04	7.64E-04	7.57E-04
Y 90	1.11E-11	1.77E-04	3.12E-04	5.61E-04	7.16E-04	7.64E-04	7.71E-04	7.71E-04	7.64E-04	7.64E-04	7.57E-04
SR 91	8.00E-01	2.86E+00	5.13E-01	2.94E-03	5.38E-07	1.83E-14	6.19E-22	7.04E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.38E-05	1.85E+00	3.31E-01	1.90E-03	3.49E-07	1.18E-14	3.98E-22	4.55E-37	0.	0.	0.
Y 91	2.20E-08	8.80E-02	1.04E-01	1.04E-01	9.81E-02	8.70E-02	7.74E-02	6.13E-02	3.39E-02	1.05E-02	3.21E-03
SR 92	1.37E+00	1.71E-02	3.68E-05	3.70E-13	1.73E-26	0.	0.	0.	0.	0.	0.
Y 92	6.32E-02	1.79E-01	1.99E-03	1.53E-09	8.92E-20	3.05E-40	1.05E-60	0.	0.	0.	0.
Y 93	7.22E-02	4.88E-01	9.51E-02	7.15E-04	2.06E-07	1.70E-14	1.40E-21	9.58E-36	0.	0.	0.
ZR 95	1.46E-04	1.83E-02	1.81E-02	1.75E-02	1.66E-02	1.49E-02	1.34E-02	1.08E-02	6.35E-03	2.19E-03	7.50E-04
NB 95M	3.11E-12	6.19E-05	1.13E-04	2.15E-04	2.90E-04	3.06E-04	2.83E-04	2.29E-04	1.35E-04	4.63E-05	1.60E-05
NB 95	1.63E-11	3.53E-04	6.99E-04	1.67E-03	3.11E-03	5.37E-03	6.92E-03	8.59E-03	8.27E-03	3.97E-03	1.53E-03
ZR 97	3.86E-01	6.57E-01	2.47E-01	1.31E-02	9.83E-05	5.53E-09	3.11E-13	9.83E-22	5.55E-43	0.	0.
NB 97M	1.99E-03	6.31E-01	2.37E-01	1.26E-02	9.44E-05	5.32E-09	2.99E-13	9.44E-22	5.34E-43	0.	0.
NB 97	1.93E-01	6.60E-01	2.48E-01	1.32E-02	9.90E-05	5.96E-09	3.35E-13	1.06E-21	5.98E-43	0.	0.
MO 99	1.17E-03	3.82E-01	2.98E-01	1.41E-01	4.09E-02	3.42E-03	2.85E-04	1.99E-06	8.07E-12	1.33E-22	2.19E-33
TC 99M	1.09E-08	3.36E-01	2.82E-01	1.35E-01	3.90E-02	3.26E-03	2.72E-04	1.90E-06	7.70E-12	1.27E-22	2.09E-33
RU103	1.36E-04	3.11E-01	3.05E-01	2.90E-01	2.66E-01	2.23E-01	1.87E-01	1.32E-01	5.49E-02	9.54E-03	1.66E-03
RH103M	9.10E-09	3.11E-01	3.06E-01	2.90E-01	2.66E-01	2.23E-01	1.87E-01	1.32E-01	5.50E-02	9.54E-03	1.66E-03
RU105	8.90E-01	8.51E-01	2.00E-02	2.63E-07	1.92E-15	1.03E-31	5.50E-48	0.	0.	0.	0.
RH105M	5.86E-03	8.51E-01	2.01E-02	2.64E-07	1.93E-15	1.03E-31	5.52E-48	0.	0.	0.	0.
RH105	9.62E-09	3.07E+00	2.01E+00	5.00E-01	4.93E-02	4.80E-04	4.66E-06	4.40E-10	3.81E-20	2.87E-40	2.15E-60
RU106	8.38E-04	1.59E-02	1.58E-02	1.57E-02	1.56E-02	1.53E-02	1.50E-02	1.44E-02	1.31E-02	1.08E-02	9.00E-03
RH106	9.06E-06	1.59E-02	1.58E-02	1.57E-02	1.56E-02	1.53E-02	1.50E-02	1.44E-02	1.31E-02	1.08E-02	9.00E-03
PD109	2.77E-02	7.07E-01	2.06E-01	5.11E-03	1.08E-05	4.80E-11	2.14E-16	4.22E-27	0.	0.	0.
AG109M	1.60E-04	7.07E-01	2.06E-01	5.11E-03	1.08E-05	4.80E-11	2.14E-16	4.23E-27	0.	0.	0.
PD111M	3.32E+00	1.61E-01	7.83E-03	8.99E-07	2.43E-13	1.77E-26	1.30E-39	0.	0.	0.	0.
PD111	1.18E+00	1.30E-01	6.30E-03	7.23E-07	1.96E-13	1.43E-26	1.04E-39	0.	0.	0.	0.
AG111M	9.40E-03	1.70E-01	8.27E-03	9.51E-07	2.57E-13	1.88E-26	1.38E-39	0.	0.	0.	0.
AG111	3.35E-09	9.24E-02	8.88E-02	6.76E-02	4.25E-02	1.69E-02	6.69E-03	1.05E-03	1.04E-05	1.01E-09	9.74E-14
PD112	9.94E-01	4.52E-01	2.04E-01	1.90E-02	3.61E-04	1.31E-07	4.76E-11	6.25E-18	3.94E-35	0.	0.
AG112	3.00E-05	5.25E-01	2.41E-01	2.24E-02	4.28E-04	1.55E-07	5.61E-11	7.40E-18	4.64E-35	0.	0.
AG113	1.20E-02	1.27E-01	5.50E-03	4.47E-07	6.84E-14	1.60E-27	3.74E-41	0.	0.	0.	0.
CD115M	3.63E-08	1.05E-03	1.03E-03	9.84E-04	9.10E-04	7.73E-04	6.60E-04	4.76E-04	2.13E-04	4.23E-05	8.47E-06
CD115	1.40E-05	2.11E-01	1.55E-01	6.10E-02	1.29E-02	5.75E-04	2.57E-05	5.12E-09	9.03E-15	2.83E-28	8.86E-42
IN115M	1.75E-10	2.23E-01	1.69E-01	6.67E-02	1.40E-02	6.28E-04	2.80E-05	5.58E-08	9.88E-15	3.09E-28	9.67E-42
CD117	3.18E-01	6.94E-03	6.75E-06	6.31E-15	5.60E-30	0.	0.	0.	0.	0.	0.
IN117M	1.53E-05	2.88E-02	3.34E-05	3.22E-14	2.86E-29	0.	0.	0.	0.	0.	0.
IN117	6.16E-10	1.90E-02	2.25E-05	2.18E-14	1.93E-29	0.	0.	0.	0.	0.	0.
SN121	6.50E-03	3.71E-01	2.00E-01	3.15E-02	1.45E-03	3.05E-06	6.42E-09	2.86E-14	1.20E-27	0.	0.
SN123	2.98E-05	3.11E-03	3.09E-03	3.03E-03	2.95E-03	2.79E-03	2.64E-03	2.37E-03	1.79E-03	1.03E-03	5.93E-04
SN125	6.72E-02	6.25E-02	5.81E-02	4.65E-02	3.21E-02	1.54E-02	7.36E-03	1.68E-03	4.21E-05	2.65E-08	1.66E-11
SB125	4.04E-04	4.48E-04	4.90E-04	5.99E-04	7.34E-04	8.88E-04	9.57E-04	9.97E-04	9.78E-04	9.13E-04	8.51E-04
SB126	8.13E-03	7.69E-03	7.28E-03	6.16E-03	4.67E-03	2.67E-03	1.54E-03	5.08E-04	3.18E-05	1.54E-07	3.10E-08

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.73E+00	2.44E-03	8.86E-07	4.23E-17	2.65E-34	0.	0.	0.	0.	0.	0.
SB127	7.86E-02	3.23E-01	2.70E-01	1.58E-01	6.45E-02	1.08E-02	1.80E-03	5.04E-05	6.57E-09	1.12E-16	1.91E-24
TE127M	6.36E-10	4.92E-04	9.01E-04	1.75E-03	2.42E-03	2.67E-03	2.57E-03	2.28E-03	1.66E-03	8.77E-04	4.64E-04
TE127	4.44E-02	2.31E-01	2.27E-01	1.38E-01	5.84E-02	1.20E-02	4.10E-03	2.30E-03	1.64E-03	8.68E-04	4.59E-04
SB128	1.47E+00	2.51E-01	3.96E-02	1.54E-04	1.50E-08	1.41E-16	1.32E-24	1.17E-40	0.	0.	0.
SB129	6.75E+00	3.46E-01	7.22E-03	6.57E-08	2.61E-16	4.13E-33	6.51E-50	0.	0.	0.	0.
TE129M	1.28E-07	1.34E-02	1.34E-02	1.27E-02	1.15E-02	9.35E-03	7.60E-03	5.06E-03	1.82E-03	2.38E-04	3.09E-05
TE129	4.86E+00	4.05E-01	1.69E-02	8.13E-03	7.33E-03	5.98E-03	4.88E-03	3.24E-03	1.17E-03	1.53E-04	1.98E-05
I130	3.10E-02	8.10E-03	2.12E-03	3.79E-05	4.63E-08	6.90E-14	1.03E-19	2.29E-31	0.	0.	0.
TE131M	1.20E-04	4.21E-01	2.42E-01	4.58E-02	2.86E-03	1.12E-05	4.37E-08	6.67E-13	6.06E-25	0.	0.
TE131	1.11E+02	7.68E-02	4.41E-02	8.38E-03	5.23E-04	2.04E-06	7.97E-09	1.22E-13	1.11E-25	0.	0.
I131	1.61E-02	8.70E-01	8.22E-01	6.61E-01	4.35E-01	1.84E-01	7.77E-02	1.39E-02	1.88E-04	3.42E-08	6.22E-12
XE131M	4.37E-11	4.03E-04	7.65E-04	1.60E-03	2.28E-03	2.26E-03	1.68E-03	6.92E-04	4.61E-05	1.38E-07	3.89E-10
TE132	1.30E+00	2.58E+00	2.09E+00	1.10E+00	3.79E-01	4.49E-02	5.32E-03	7.47E-05	1.75E-09	9.56E-19	5.22E-28
I132	3.20E+00	2.66E+00	2.15E+00	1.13E+00	3.90E-01	4.62E-02	5.48E-03	7.70E-05	1.80E-09	9.80E-19	5.37E-28
I133	1.32E+00	7.38E+00	3.33E+00	3.09E-01	5.89E-03	2.13E-06	7.74E-10	1.02E-16	6.41E-34	0.	0.
XE133M	5.63E-08	6.96E-02	8.25E-02	4.84E-02	1.14E-02	5.33E-04	2.48E-05	5.38E-08	1.18E-14	5.63E-28	2.70E-41
XE133	9.84E-07	1.34E+00	1.79E+00	1.61E+00	8.75E-01	2.37E-01	6.36E-02	4.58E-03	6.38E-06	1.24E-11	2.40E-17
I135	2.21E+01	3.61E+00	3.02E-01	1.76E-04	7.13E-10	1.18E-20	1.93E-31	5.26E-53	0.	0.	0.
XE135M	2.45E-03	1.13E+00	9.42E-02	5.48E-05	2.23E-10	3.67E-21	6.04E-32	1.64E-53	0.	0.	0.
XE135	2.55E+00	9.74E+00	2.38E+00	1.36E-02	1.67E-06	2.34E-14	3.28E-22	6.49E-38	0.	0.	0.
CS136	2.45E-03	2.33E-03	2.20E-03	1.88E-03	1.44E-03	8.46E-04	4.97E-04	1.71E-04	1.19E-05	5.72E-08	2.77E-10
CS137	1.01E-04	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.09E-03	1.08E-03	1.08E-03
BA137M	2.14E-07	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.01E-03	1.00E-03
BA139	1.25E+01	1.34E-03	7.90E-09	1.62E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.15E-01	6.79E-01	6.46E-01	5.48E-01	4.18E-01	2.43E-01	1.41E-01	4.79E-02	3.20E-03	1.42E-05	6.30E-08
LA140	2.73E-07	2.37E-01	3.81E-01	5.26E-01	4.68E-01	2.80E-01	1.63E-01	5.53E-02	3.67E-03	1.64E-05	7.28E-08
LA141	1.00E+00	3.97E-01	5.57E-03	1.54E-08	8.44E-18	2.52E-36	7.51E-55	0.	0.	0.	0.
CE141	1.24E-07	1.37E-01	1.36E-01	1.28E-01	1.15E-01	9.29E-02	7.48E-02	4.88E-02	1.67E-02	1.97E-03	2.32E-04
LA142	1.64E+00	3.60E-04	6.97E-09	5.12E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.07E-02	4.41E-01	2.66E-01	5.87E-02	4.72E-03	3.05E-05	1.98E-07	8.28E-12	9.34E-23	0.	0.
PR143	3.14E-09	2.82E-02	4.39E-02	5.67E-02	4.86E-02	2.96E-02	1.79E-02	6.46E-03	5.17E-04	3.28E-06	2.08E-08
CE144	4.83E-04	3.46E-03	3.44E-03	3.42E-03	3.38E-03	3.30E-03	3.22E-03	3.07E-03	2.71E-03	2.12E-03	1.67E-03
PR144	1.33E-07	3.46E-03	3.44E-03	3.42E-03	3.38E-03	3.30E-03	3.22E-03	3.07E-03	2.71E-03	2.12E-03	1.67E-03
PR145	1.97E-02	2.02E-01	1.25E-02	2.96E-06	2.70E-12	2.23E-24	1.85E-36	0.	0.	0.	0.
ND147	2.70E-06	4.53E-02	4.26E-02	3.54E-02	2.59E-02	1.39E-02	7.42E-03	2.13E-03	9.34E-05	1.82E-07	3.53E-10
PM147	7.49E-15	3.39E-05	6.57E-05	1.50E-04	2.59E-04	3.96E-04	4.68E-04	5.21E-04	5.26E-04	4.90E-04	4.56E-04
ND149	4.74E+00	4.59E-04	4.44E-08	4.05E-20	3.46E-40	0.	0.	0.	0.	0.	0.
PM149	6.60E-04	1.22E-01	8.92E-02	3.48E-02	7.27E-03	3.17E-04	1.38E-05	2.62E-08	4.14E-15	1.02E-28	2.54E-42
PM150	5.35E-02	1.13E-04	2.38E-07	2.23E-15	9.34E-29	0.	0.	0.	0.	0.	0.

1 YANKEE MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.32E-02	8.97E-02	4.95E-02	8.33E-03	4.27E-04	1.12E-06	2.96E-09	2.04E-14	2.56E-27	0.	0.
SM153	4.72E-02	3.32E-02	2.33E-02	8.04E-03	1.37E-03	3.98E-05	1.16E-06	9.70E-10	2.00E-17	8.53E-33	3.62E-48
SM156	4.14E-02	7.06E-03	1.20E-03	5.93E-06	8.54E-10	1.76E-17	3.62E-25	1.54E-40	0.	0.	0.
EU155	1.58E-06	5.35E-05	5.34E-05	5.34E-05	5.33E-05	5.31E-05	5.29E-05	5.24E-05	5.14E-05	4.94E-05	4.74E-05
EU156	1.21E-04	9.85E-04	1.09E-03	9.79E-04	7.77E-04	4.88E-04	3.08E-04	1.22E-04	1.21E-05	1.19E-07	1.17E-09
EU157	4.74E-03	5.48E-03	1.84E-03	6.91E-05	2.90E-07	5.12E-12	9.06E-17	2.82E-26	0.	0.	0.
GD159	8.91E-04	1.75E-03	6.98E-04	4.35E-05	4.28E-07	4.15E-11	4.02E-15	3.77E-23	3.22E-43	0.	0.
TB161	1.61E-05	1.05E-04	9.51E-05	7.04E-05	4.26E-05	1.56E-05	5.71E-06	7.65E-07	5.06E-09	2.19E-13	9.51E-18
TOTAL	3.28E+02	6.68E+01	3.00E+01	1.10E+01	4.99E+00	2.03E+00	1.22E+00	6.50E-01	2.61E-01	8.10E-02	3.97E-02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	4.69E-06	4.05E-08	3.77E-09	3.50E-10	2.82E-13	2.25E-16	1.69E-20	1.08E-26	0.	0.	0.
MN 54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FE 59	1.86E-04	6.72E-07	4.03E-08	2.43E-09	5.27E-13	1.14E-16	1.48E-21	6.95E-29	0.	0.	0.
CO 57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CO 60	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.
W188	1.10E-04	2.87E-06	4.65E-07	7.47E-08	3.15E-10	1.32E-12	8.95E-16	1.58E-20	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.30E-01	1.07E-09	1.05E-09	1.02E-09	9.52E-10	8.84E-10	8.04E-10	6.98E-10	4.34E-10	2.13E-10	1.05E-10
AM241	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.53E-12	1.54E-12	1.54E-12	1.54E-12	1.55E-12	1.54E-12	1.52E-12
CM242	3.04E-09	6.43E-10	2.96E-10	1.36E-10	1.33E-11	1.29E-12	5.79E-14	5.47E-16	1.57E-20	1.47E-20	1.37E-20
KR 85	5.68E-06	1.41E-04	1.37E-04	1.32E-04	1.21E-04	1.09E-04	9.58E-05	7.90E-05	4.18E-05	1.59E-05	6.09E-06
SR 89	3.98E-06	9.31E-04	8.15E-05	7.16E-06	4.82E-09	3.25E-12	1.92E-16	8.73E-23	6.34E-44	0.	0.
SR 90	7.50E-06	7.50E-04	7.44E-04	7.37E-04	7.09E-04	6.82E-04	6.49E-04	6.03E-04	4.71E-04	3.25E-04	2.25E-04
Y 90	1.11E-11	7.50E-04	7.44E-04	7.37E-04	7.09E-04	6.82E-04	6.49E-04	6.03E-04	4.71E-04	3.25E-04	2.25E-04
Y 91	2.20E-08	1.49E-03	1.73E-04	2.01E-05	3.15E-08	4.95E-11	9.05E-15	2.22E-20	4.49E-39	0.	0.
ZR 95	1.46E-04	3.76E-04	5.36E-05	7.63E-06	2.22E-08	6.47E-11	2.68E-14	2.26E-19	2.77E-36	0.	0.
NB 95M	3.11E-12	7.95E-06	1.13E-06	1.62E-07	4.71E-10	1.37E-12	5.68E-16	4.79E-21	5.88E-38	0.	0.
NB 95	1.63E-11	8.08E-04	1.16E-04	1.65E-05	4.79E-08	1.39E-10	5.81E-14	4.90E-19	6.01E-36	0.	0.
RU103	1.36E-04	5.30E-04	2.17E-05	8.92E-07	6.09E-11	4.17E-15	1.17E-20	5.51E-29	0.	0.	0.
RH103M	9.10E-09	5.31E-04	2.17E-05	8.92E-07	6.10E-11	4.18E-15	1.17E-20	5.52E-29	0.	0.	0.
RU106	8.38E-04	7.97E-03	5.64E-03	4.00E-03	1.42E-03	5.05E-04	1.27E-04	1.61E-05	1.62E-08	5.21E-13	1.68E-17
RH106	9.06E-06	7.97E-03	5.64E-03	4.00E-03	1.42E-03	5.05E-04	1.27E-04	1.61E-05	1.62E-08	5.21E-13	1.68E-17
SN123	2.98E-05	4.12E-04	1.50E-04	5.44E-05	2.61E-06	1.25E-07	2.18E-09	5.03E-12	8.06E-21	5.19E-34	3.33E-47
SB125	4.04E-04	8.13E-04	7.15E-04	6.29E-04	4.28E-04	2.91E-04	1.74E-04	8.06E-05	6.20E-06	1.32E-07	2.81E-09
TE125M	1.09E-11	3.32E-04	2.95E-04	2.60E-04	1.77E-04	1.21E-04	7.22E-05	3.34E-05	2.56E-06	5.46E-08	1.16E-09
TE127M	6.36E-10	3.04E-04	9.52E-05	2.98E-05	9.16E-07	2.82E-08	2.71E-10	2.55E-13	2.09E-23	1.56E-38	1.17E-53
TE127	4.44E-02	3.01E-04	9.41E-05	2.95E-05	9.05E-07	2.78E-08	2.68E-10	2.53E-13	2.07E-23	1.54E-38	1.15E-53
CS137	1.01E-04	1.07E-03	1.06E-03	1.05E-03	1.01E-03	9.72E-04	9.30E-04	8.69E-04	6.87E-04	4.88E-04	3.45E-04
BA137M	2.14E-07	1.00E-03	9.90E-04	9.78E-04	9.42E-04	9.11E-04	8.69E-04	8.14E-04	6.44E-04	4.56E-04	3.23E-04
CE141	1.24E-07	5.34E-05	1.07E-06	2.16E-08	1.76E-13	1.43E-18	2.35E-25	1.56E-35	0.	0.	0.
CE144	4.83E-04	1.42E-03	9.13E-04	5.83E-04	1.53E-04	4.02E-05	6.76E-06	4.67E-07	6.28E-11	9.86E-17	1.54E-22
PR144	1.33E-07	1.42E-03	9.13E-04	5.83E-04	1.53E-04	4.02E-05	6.76E-06	4.67E-07	6.28E-11	9.86E-17	1.54E-22
PM147	7.49E-15	4.35E-04	3.81E-04	3.34E-04	2.24E-04	1.51E-04	8.86E-05	4.02E-05	2.86E-06	5.41E-08	1.02E-09
EU155	1.58E-06	4.62E-05	4.30E-05	4.00E-05	3.22E-05	2.58E-05	1.93E-05	1.24E-05	2.91E-06	3.27E-07	3.68E-08
TOTAL	4.77E-01	2.99E-02	1.90E-02	1.42E-02	7.51E-03	5.04E-03	3.82E-03	3.17E-03	2.33E-03	1.61E-03	1.12E-03

Appendix E
Detailed Results for Event Zuni

PAGE 2

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

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	9.86E+01	1.16E+04
1.00E+00		2.86E+01	2.33E+03
2.00E+00		1.13E+01	8.42E+02
3.00E+00		6.24E+00	5.07E+02
4.00E+00		4.03E+00	3.81E+02
6.00E+00		2.22E+00	2.70E+02
9.00E+00		1.35E+00	1.95E+02
1.20E+01		1.00E+00	1.55E+02
1.50E+01		7.98E-01	1.28E+02
1.80E+01		6.63E-01	1.09E+02
2.10E+01		5.64E-01	9.48E+01
1.00E+00	DAYS	4.81E-01	8.25E+01
2.00E+00		2.20E-01	4.18E+01
5.00E+00		7.85E-02	1.59E+01
1.00E+01		3.56E-02	6.58E+00
2.00E+01		1.44E-02	2.40E+00
3.00E+01		8.36E-03	1.36E+00
5.00E+01		4.04E-03	6.95E-01
1.00E+02		1.61E-03	3.11E-01
2.00E+02		6.07E-04	1.25E-01
3.00E+02		2.57E-04	6.92E-02
1.00E+00	YEARS	1.60E-04	4.46E-02
1.50E+00		6.20E-05	2.57E-02
2.00E+00		3.85E-05	1.77E-02
3.50E+00		1.86E-05	7.72E-03
5.00E+00		1.23E-05	4.48E-03
7.00E+00		9.06E-06	3.00E-03
1.00E+01		7.06E-06	2.24E-03
2.00E+01		4.34E-06	1.46E-03
3.50E+01		2.77E-06	9.85E-04
5.00E+01		1.92E-06	6.85E-04

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ZUNI MICROCURIES/SQ METER PAGE 3
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	9.68E-03	9.67E-03	9.67E-03	9.67E-03	9.67E-03	9.65E-03	9.64E-03	9.61E-03	9.60E-03	9.58E-03	9.57E-03
NA 24	2.27E+00	2.17E+00	2.07E+00	1.98E+00	1.89E+00	1.72E+00	1.50E+00	1.31E+00	1.14E+00	9.92E-01	8.59E-01
MN 54	5.21E-03	5.21E-03	5.21E-03	5.21E-03	5.21E-03	5.21E-03	5.21E-03	5.16E-03	5.16E-03	5.16E-03	5.16E-03
FE 55	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
FE 59	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.13E-03	1.13E-03	1.13E-03
CO 57	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.75E-03
CO 58	7.09E-03	7.09E-03	7.09E-03	7.09E-03	7.08E-03	7.08E-03	7.06E-03	7.06E-03	7.05E-03	7.05E-03	7.03E-03
CO 60	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.87E-04
CU 64	2.80E+00	2.65E+00	2.51E+00	2.38E+00	2.25E+00	2.02E+00	1.72E+00	1.46E+00	1.24E+00	1.06E+00	8.98E-01
CU 67	2.50E-01	2.48E-01	2.44E-01	2.42E-01	2.39E-01	2.33E-01	2.24E-01	2.18E-01	2.11E-01	2.03E-01	1.97E-01
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	4.95E-04	4.95E-04	4.95E-04	4.95E-04	4.94E-04	4.94E-04	4.94E-04	4.93E-04	4.93E-04	4.92E-04	4.92E-04
W187	1.55E-02	1.50E-02	1.46E-02	1.42E-02	1.38E-02	1.30E-02	1.20E-02	1.10E-02	1.00E-02	9.24E-03	8.42E-03
W188	3.29E-05	3.29E-05	3.29E-05	3.29E-05	3.29E-05	3.29E-05	3.28E-05	3.28E-05	3.27E-05	3.27E-05	3.26E-05
AU198	7.66E-02	7.60E-02	7.53E-02	7.40E-02	7.33E-02	7.20E-02	6.93E-02	6.73E-02	6.50E-02	6.30E-02	6.09E-02
AU199	1.19E-01	1.17E-01	1.16E-01	1.15E-01	1.14E-01	1.12E-01	1.09E-01	1.06E-01	1.03E-01	1.00E-01	9.78E-02
PB203	3.00E+00	2.96E+00	2.91E+00	2.87E+00	2.83E+00	2.77E+00	2.66E+00	2.56E+00	2.45E+00	2.35E+00	2.26E+00
U237	4.17E+00	4.16E+00	4.14E+00	4.12E+00	4.10E+00	4.07E+00	4.01E+00	3.97E+00	3.91E+00	3.86E+00	3.81E+00
U239	3.03E+03	5.17E+02	8.83E+01	1.50E+01	2.56E+00	7.44E-02	3.69E-04	1.82E-06	9.01E-09	4.46E-11	2.20E-13
U240	7.41E+00	7.06E+00	6.72E+00	6.40E+00	6.09E+00	5.52E+00	4.76E+00	4.10E+00	3.54E+00	3.05E+00	2.63E+00
NP239	1.04E-02	1.74E+01	2.01E+01	2.04E+01	2.03E+01	1.98E+01	1.90E+01	1.84E+01	1.77E+01	1.71E+01	1.65E+01
NP240M	1.17E-02	7.08E+00	6.78E+00	6.45E+00	6.15E+00	5.56E+00	4.80E+00	4.14E+00	3.57E+00	3.08E+00	2.66E+00
NP240	2.97E-10	1.53E-10	7.92E-11	4.09E-11	2.11E-11	5.66E-12	7.80E-13	1.08E-13	1.48E-14	2.04E-15	2.83E-16
AM241	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08
CM242	2.83E-06	2.83E-06	2.83E-06	2.83E-06	2.83E-06	2.83E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06
GE 75	2.68E-05	1.30E-01	7.82E-02	4.71E-02	2.83E-02	1.03E-02	2.24E-03	4.91E-04	1.07E-04	2.34E-05	5.12E-06
GE 77	8.93E-03	2.30E-02	2.16E-02	2.03E-02	1.92E-02	1.69E-02	1.41E-02	1.17E-02	9.76E-03	8.11E-03	6.75E-03
AS 77	9.23E-05	1.46E-02	1.48E-02	1.49E-02	1.50E-02	1.51E-02	1.51E-02	1.50E-02	1.47E-02	1.44E-02	1.41E-02
SE 77M	3.64E-09	4.37E-05	4.43E-05	4.47E-05	4.47E-05	4.50E-05	4.53E-05	4.50E-05	4.43E-05	4.33E-05	4.20E-05
GE 78	9.80E-01	6.13E-01	3.81E-01	2.38E-01	1.49E-01	5.78E-02	1.41E-02	3.40E-03	8.30E-04	2.02E-04	4.90E-05
AS 78	1.76E-02	2.93E-01	3.61E-01	3.38E-01	2.82E-01	1.67E-01	6.19E-02	2.06E-02	6.36E-03	1.90E-03	5.51E-04
AS 79	1.62E+01	1.59E-01	1.57E-03	1.54E-05	1.52E-07	1.47E-11	1.40E-17	1.34E-23	1.28E-29	1.22E-35	1.17E-41
SE 79M	2.39E-02	2.81E-01	2.77E-03	2.73E-05	2.69E-07	2.60E-11	2.48E-17	2.37E-23	2.26E-29	2.15E-35	2.06E-41
BR 80	9.11E-02	8.59E-03	8.07E-04	7.59E-05	7.15E-06	6.34E-08	5.31E-11	4.42E-14	3.69E-17	3.08E-20	2.57E-23
SE 81M	7.29E-02	3.40E+00	1.64E+00	7.89E-01	3.79E-01	8.87E-02	9.92E-03	1.11E-03	1.25E-04	1.40E-05	1.57E-06
SE 81	8.91E-01	4.02E+00	2.33E+00	1.16E+00	5.64E-01	1.32E-01	1.47E-02	1.65E-03	1.85E-04	2.07E-05	2.32E-06
BR 82	3.98E-04	3.90E-04	3.83E-04	3.75E-04	3.68E-04	3.54E-04	3.34E-04	3.14E-04	2.97E-04	2.79E-04	2.64E-04
SE 83	3.75E+01	7.10E+00	1.35E+00	2.55E-01	4.82E-02	1.74E-03	1.18E-05	8.02E-08	5.48E-10	3.71E-12	2.36E-14
BR 83	3.11E-01	4.65E+00	4.30E+00	3.38E+00	2.57E+00	1.45E+00	6.14E-01	2.58E-01	1.09E-01	4.60E-02	1.94E-02
KR 83M	1.61E-05	1.05E+00	2.15E+00	2.67E+00	2.75E+00	2.30E+00	1.35E+00	6.97E-01	3.36E-01	1.55E-01	6.97E-02

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	7.38E-02	1.27E+01	3.44E+00	9.33E-01	2.52E-01	1.84E-02	3.64E-04	7.19E-06	1.42E-07	2.81E-09	5.56E-11
KR 85M	3.27E-03	7.01E+00	5.97E+00	5.10E+00	4.36E+00	3.18E+00	1.98E+00	1.24E+00	7.71E-01	4.79E-01	2.99E-01
KR 87	4.37E+01	2.52E+01	1.46E+01	8.43E+00	4.87E+00	1.63E+00	3.17E-01	6.13E-02	1.19E-02	2.30E-03	4.45E-04
KR 88	2.62E+01	2.04E+01	1.59E+01	1.24E+01	9.72E+00	5.90E+00	2.82E+00	1.34E+00	6.38E-01	3.04E-01	1.44E-01
RB 88	6.65E+00	2.07E+01	1.76E+01	1.39E+01	1.09E+01	6.61E+00	3.16E+00	1.50E+00	7.16E-01	3.41E-01	1.62E-01
RB 89	3.22E+01	3.02E+01	2.03E+00	1.37E-01	9.15E-03	4.14E-05	1.25E-08	3.78E-12	1.15E-15	3.49E-19	1.06E-22
SR 89	2.47E-06	8.65E-02	9.23E-02	9.23E-02	9.23E-02	9.23E-02	9.23E-02	9.19E-02	9.19E-02	9.15E-02	9.15E-02
SR 90	4.71E-06	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04
SR 91	6.43E-01	1.20E+01	1.12E+01	1.04E+01	9.66E+00	8.37E+00	6.75E+00	5.46E+00	4.41E+00	3.54E+00	2.85E+00
Y 91M	4.32E-05	4.12E+00	5.62E+00	6.02E+00	5.94E+00	5.34E+00	4.37E+00	3.51E+00	2.83E+00	2.28E+00	1.84E+00
Y 91	1.77E-08	3.67E-03	8.45E-03	1.35E-02	1.84E-02	2.76E-02	3.92E-02	4.85E-02	5.62E-02	6.22E-02	6.71E-02
SR 92	8.44E+00	3.77E+01	2.92E+01	2.26E+01	1.75E+01	1.05E+01	4.87E+00	2.26E+00	1.05E+00	4.87E-01	2.26E-01
Y 92	3.89E-01	7.93E+00	1.24E+01	1.48E+01	1.57E+01	1.50E+01	1.15E+01	7.81E+00	5.02E+00	3.09E+00	1.86E+00
SR 93	3.60E+02	6.20E+00	3.43E-02	1.89E-04	1.04E-06	3.19E-11	5.38E-18	9.08E-25	1.53E-31	2.58E-38	4.35E-45
Y 93	4.40E-01	1.42E+01	1.34E+01	1.25E+01	1.17E+01	1.02E+01	8.30E+00	6.78E+00	5.51E+00	4.52E+00	3.67E+00
Y 94	5.37E+01	7.34E+01	9.45E+00	1.22E+00	1.57E-01	2.61E-03	5.60E-06	1.20E-08	2.57E-11	5.60E-14	3.10E-15
Y 95	2.34E+02	2.20E+01	4.86E-01	1.07E-02	2.36E-04	1.14E-07	1.23E-12	1.31E-17	1.40E-22	1.50E-27	1.60E-32
ZR 95	8.79E-04	1.15E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.16E-01	1.16E-01
NB 95	9.79E-11	7.09E-05	1.65E-04	2.60E-04	3.55E-04	5.43E-04	8.25E-04	1.11E-03	1.39E-03	1.67E-03	1.95E-03
ZR 97	2.28E+00	9.94E+00	9.50E+00	9.15E+00	8.76E+00	8.09E+00	7.15E+00	6.32E+00	5.62E+00	4.95E+00	4.40E+00
NB 97M	1.17E-02	9.54E+00	9.15E+00	8.80E+00	8.44E+00	7.78E+00	6.87E+00	6.09E+00	5.38E+00	4.75E+00	4.20E+00
NB 97	1.14E+00	4.99E+00	7.03E+00	8.01E+00	8.40E+00	8.36E+00	7.62E+00	6.79E+00	6.01E+00	5.30E+00	4.71E+00
NB 98	1.29E+01	5.73E+00	2.53E+00	1.12E+00	4.97E-01	9.72E-02	8.41E-03	7.26E-04	6.33E-05	5.48E-06	4.71E-07
MO 99	6.86E-03	2.83E+00	2.80E+00	2.77E+00	2.74E+00	2.69E+00	2.61E+00	2.52E+00	2.45E+00	2.38E+00	2.30E+00
TC 99M	6.38E-08	2.70E-01	5.07E-01	7.16E-01	9.00E-01	1.20E+00	1.52E+00	1.73E+00	1.86E+00	1.93E+00	1.96E+00
MO101	1.05E+02	4.76E+01	2.76E+00	1.60E-01	9.29E-03	3.11E-05	6.05E-09	1.18E-12	2.29E-16	4.45E-20	8.67E-24
TC101	4.45E+00	1.33E+02	1.46E+01	1.20E+00	8.71E-02	3.93E-04	9.82E-08	2.20E-11	4.67E-15	9.60E-19	1.94E-22
MO102	9.63E+02	2.20E+01	5.00E-01	1.14E-02	2.60E-04	1.35E-07	1.61E-12	1.91E-17	2.26E-22	2.68E-27	3.19E-32
TC102M	6.19E-01	1.86E+01	4.25E-01	9.72E-03	2.21E-04	1.15E-07	1.36E-12	1.61E-17	1.91E-22	2.27E-27	2.70E-32
TC102	2.90E+03	1.10E+01	2.52E-01	5.73E-03	1.31E-04	6.83E-08	8.11E-13	9.63E-18	1.14E-22	1.35E-27	1.60E-32
RU103	7.59E-05	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.75E-01	1.75E-01	1.75E-01	1.74E-01	1.74E-01	1.73E-01
RH103M	5.06E-09	9.10E-02	1.35E-01	1.56E-01	1.66E-01	1.73E-01	1.75E-01	1.75E-01	1.74E-01	1.74E-01	1.74E-01
TC104	6.07E+01	4.36E+01	4.36E+00	4.32E-01	4.27E-02	4.20E-04	4.11E-07	4.01E-10	3.92E-13	3.83E-16	3.74E-19
RU105	4.84E-01	1.67E+01	1.43E+01	1.23E+01	1.05E+01	7.66E+00	4.80E+00	3.00E+00	1.88E+00	1.18E+00	7.38E-01
RH105M	3.18E-03	1.68E+01	1.43E+01	1.23E+01	1.05E+01	7.70E+00	4.80E+00	3.01E+00	1.89E+00	1.18E+00	7.38E-01
RH105	5.23E-09	3.40E-01	6.32E-01	8.72E-01	1.07E+00	1.37E+00	1.64E+00	1.77E+00	1.80E+00	1.78E+00	1.74E+00
RU106	4.50E-04	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03
RH106	4.86E-06	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03	8.51E-03
RH107	1.23E-01	1.67E+01	2.54E+00	3.81E-01	5.76E-02	1.31E-03	4.52E-06	1.56E-08	5.37E-11	1.84-146	1.83E-17
PD107M	2.56E-04	3.40E+00	5.14E-01	7.77E-02	1.17E-02	2.67E-04	9.20E-07	3.17E-09	1.09E-11	3.77E-14	1.29E-16

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.32E-02	1.10E+00	1.04E+00	9.88E-01	9.39E-01	8.47E-01	7.28E-01	6.24E-01	5.35E-01	4.58E-01	3.94E-01
AG109M	7.63E-05	1.10E+00	1.04E+00	9.91E-01	9.41E-01	8.49E-01	7.28E-01	6.24E-01	5.35E-01	4.58E-01	3.94E-01
PD111M	1.56E+00	1.38E+00	1.21E+00	1.07E+00	9.45E-01	7.35E-01	5.03E-01	3.45E-01	2.36E-01	1.62E-01	1.11E-01
PD111	5.57E-01	1.00E+00	9.63E-01	8.58E-01	7.59E-01	5.89E-01	4.04E-01	2.77E-01	1.90E-01	1.30E-01	8.93E-02
AG111M	4.42E-03	1.35E+00	1.27E+00	1.14E+00	1.00E+00	7.76E-01	5.30E-01	3.64E-01	2.49E-01	1.71E-01	1.17E-01
AG111	1.58E-09	4.67E-03	9.80E-03	1.44E-02	1.85E-02	2.52E-02	3.24E-02	3.71E-02	4.02E-02	4.21E-02	4.33E-02
PD112	4.66E-01	4.52E-01	4.36E-01	4.22E-01	4.09E-01	3.82E-01	3.47E-01	3.14E-01	2.84E-01	2.57E-01	2.33E-01
AG112	1.40E-05	8.94E-02	1.58E-01	2.12E-01	2.51E-01	3.01E-01	3.31E-01	3.30E-01	3.14E-01	2.93E-01	2.70E-01
AG113	5.61E-03	1.20E+00	1.05E+00	9.24E-01	8.10E-01	6.23E-01	4.22E-01	2.85E-01	1.92E-01	1.30E-01	8.78E-02
AG115	2.09E+00	2.23E+00	2.78E-01	3.48E-02	4.35E-03	6.80E-05	1.33E-07	2.60E-10	5.03E-13	5.00-162	4.63E-16
CD115M	1.70E-08	4.54E-04	5.10E-04	5.16E-04	5.16E-04	5.16E-04	5.15E-04	5.15E-04	5.13E-04	5.11E-04	5.11E-04
CD115	6.59E-06	1.24E-01	1.34E-01	1.33E-01	1.32E-01	1.28E-01	1.23E-01	1.19E-01	1.14E-01	1.10E-01	1.06E-01
IN115M	8.21E-11	1.37E-02	3.05E-02	4.52E-02	5.76E-02	7.68E-02	9.48E-02	1.04E-01	1.09E-01	1.10E-01	1.09E-01
CD117	1.49E-01	2.48E+00	1.87E+00	1.40E+00	1.05E+00	5.87E-01	2.46E-01	1.04E-01	4.37E-02	1.83E-02	7.72E-03
IN117M	7.16E-06	8.63E-01	1.25E+00	1.36E+00	1.31E+00	1.03E+00	5.90E-01	3.02E-01	1.45E-01	6.72E-02	3.04E-02
IN117	2.88E-10	1.57E-01	3.81E-01	5.29E-01	5.90E-01	5.43E-01	3.46E-01	1.85E-01	9.20E-02	4.33E-02	1.99E-02
CD118	9.87E+00	4.23E+00	1.82E+00	7.74E-01	3.31E-01	6.06E-02	4.76E-03	3.72E-04	2.93E-05	2.29E-06	1.80E-07
IN118	6.54E-01	4.23E+00	1.82E+00	7.75E-01	3.31E-01	6.08E-02	4.76E-03	3.74E-04	2.93E-05	2.29E-06	1.80E-07
CD119	2.46E+01	3.84E-01	5.99E-03	9.37E-05	1.46E-06	3.58E-10	1.37E-15	5.22E-21	1.99E-26	7.59E-32	2.90E-37
IN119M	3.71E-02	4.15E+00	4.52E-01	4.56E-02	4.54E-03	4.47E-05	4.36E-08	4.26E-11	4.15E-14	4.06E-17	3.97E-20
IN119	1.83E+00	2.19E-01	2.54E-02	2.57E-03	2.57E-04	2.52E-06	2.46E-09	2.41E-12	2.35E-15	2.30E-18	2.24E-21
SN121	3.05E-03	3.13E-01	3.05E-01	2.97E-01	2.90E-01	2.76E-01	2.54E-01	2.36E-01	2.19E-01	2.02E-01	1.88E-01
SN123M	1.49E+00	2.79E+00	9.87E-01	3.49E-01	1.23E-01	1.54E-02	6.82E-04	3.02E-05	1.34E-06	5.89E-08	2.61E-09
SN123	1.40E-05	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03
SN125	3.17E-02	3.16E-02	3.15E-02	3.14E-02	3.13E-02	3.11E-02	3.09E-02	3.05E-02	3.03E-02	2.99E-02	2.97E-02
SB125	1.90E-04	1.91E-04	1.92E-04	1.93E-04	1.94E-04	1.95E-04	1.99E-04	2.01E-04	2.04E-04	2.06E-04	2.08E-04
SB126	3.88E-03	3.87E-03	3.87E-03	3.86E-03	3.85E-03	3.83E-03	3.80E-03	3.78E-03	3.75E-03	3.72E-03	3.70E-03
SN127	3.36E+00	2.41E+00	1.74E+00	1.25E+00	9.00E-01	4.64E-01	1.72E-01	6.41E-02	2.38E-02	8.84E-03	3.28E-03
SB127	3.92E-02	1.35E-01	1.50E-01	1.60E-01	1.67E-01	1.74E-01	1.76E-01	1.75E-01	1.72E-01	1.68E-01	1.65E-01
TE127	2.22E-02	2.76E-02	3.35E-02	3.98E-02	4.60E-02	5.77E-02	7.38E-02	8.62E-02	9.59E-02	1.03E-01	1.08E-01
SN128	1.83E+01	9.05E+00	4.48E+00	2.21E+00	1.09E+00	2.67E-01	3.23E-02	3.89E-03	4.70E-04	5.69E-05	6.86E-06
SB128M	9.34E-03	1.03E+01	5.35E+00	2.64E+00	1.30E+00	3.19E-01	3.84E-02	4.64E-03	5.60E-04	6.76E-05	8.17E-06
SB128	7.74E-01	7.44E-01	7.01E-01	6.57E-01	6.13E-01	5.25E-01	4.19E-01	3.33E-01	2.64E-01	2.10E-01	1.66E-01
SN129M	9.96E+00	4.96E+00	2.49E+00	1.24E+00	6.22E-01	1.55E-01	1.95E-02	2.43E-03	3.04E-04	3.80E-05	4.75E-06
SN129	6.64E+01	6.51E-01	6.43E-03	6.35E-05	6.22E-07	6.05E-11	5.76E-17	5.51E-23	5.25E-29	5.00E-35	4.79E-41
SB129	3.74E+00	6.26E+00	5.88E+00	5.25E+00	4.62E+00	3.43E+00	2.14E+00	1.32E+00	8.15E-01	5.04E-01	3.10E-01
TE129M	7.06E-08	7.82E-04	1.61E-03	2.37E-03	3.04E-03	4.12E-03	5.21E-03	5.88E-03	6.30E-03	6.56E-03	6.72E-03
TE129	2.69E+00	3.70E+00	4.33E+00	4.50E+00	4.33E+00	3.58E+00	2.39E+00	1.50E+00	9.37E-01	5.80E-01	3.60E-01
SB130M	3.68E-01	6.94E-01	1.82E-03	4.78E-06	1.26E-08	8.69E-14	1.58E-21	2.88E-29	5.22E-37	9.49E-45	1.73E-52
SB130	6.30E+01	1.91E+01	5.42E+00	1.53E+00	4.34E-01	3.50E-02	7.97E-04	1.82E-05	4.15E-07	9.45E-09	2.16E-10

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ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.75E-02	1.66E-02	1.57E-02	1.48E-02	1.40E-02	1.26E-02	1.06E-02	8.97E-03	7.57E-03	6.42E-03	5.42E-03
SB131	1.45E+02	3.79E+01	6.20E+00	1.02E+00	1.67E-01	4.49E-03	1.98E-05	8.74E-08	3.85E-10	1.70E-12	8.46E-15
TE131M	6.98E-05	3.65E-01	4.17E-01	4.17E-01	4.09E-01	3.91E-01	3.65E-01	3.40E-01	3.18E-01	2.96E-01	2.76E-01
TE131	6.43E+01	6.98E+01	2.27E+01	5.92E+00	1.44E+00	1.35E-01	6.70E-02	6.20E-02	5.78E-02	5.41E-02	5.04E-02
I131	9.34E-03	3.24E-01	4.76E-01	5.22E-01	5.32E-01	5.36E-01	5.36E-01	5.32E-01	5.32E-01	5.27E-01	5.27E-01
TE132	7.62E-01	1.85E+00	1.83E+00	1.82E+00	1.80E+00	1.77E+00	1.72E+00	1.68E+00	1.63E+00	1.59E+00	1.55E+00
I132	1.87E+00	1.86E+00	1.86E+00	1.85E+00	1.84E+00	1.81E+00	1.77E+00	1.73E+00	1.68E+00	1.64E+00	1.60E+00
TE133M	8.84E-02	3.07E+01	1.34E+01	5.81E+00	2.53E+00	4.80E-01	3.95E-02	3.26E-03	2.69E-04	2.22E-05	1.83E-06
TE133	4.97E+02	2.82E+01	3.13E+00	1.04E+00	4.38E-01	8.30E-02	6.86E-03	5.64E-04	4.67E-05	3.84E-06	3.17E-07
I133	7.71E-01	8.30E+00	8.97E+00	8.97E+00	8.80E+00	8.34E+00	7.58E+00	6.86E+00	6.19E+00	5.64E+00	5.10E+00
XE133M	3.28E-08	1.87E-03	4.51E-03	7.20E-03	9.81E-03	1.47E-02	2.14E-02	2.71E-02	3.19E-02	3.61E-02	3.95E-02
XE133	5.73E-07	3.26E-02	7.92E-02	1.26E-01	1.74E-01	2.63E-01	3.85E-01	4.93E-01	5.90E-01	6.74E-01	7.50E-01
TE134	1.57E+02	7.28E+01	2.71E+01	1.01E+01	3.74E+00	5.18E-01	2.65E-02	1.36E-03	6.95E-05	3.57E-06	1.83E-07
I134	7.20E+01	9.62E+01	6.74E+01	3.95E+01	2.12E+01	5.39E+00	5.92E-01	6.05E-02	5.92E-03	5.68E-04	5.39E-05
I135	1.30E+01	2.30E+01	2.07E+01	1.86E+01	1.69E+01	1.37E+01	1.00E+01	7.34E+00	5.39E+00	3.97E+00	2.90E+00
XE135M	1.44E-03	6.63E+00	6.44E+00	5.84E+00	5.24E+00	4.27E+00	3.13E+00	2.30E+00	1.69E+00	1.24E+00	9.06E-01
XE135	1.50E+00	2.97E+00	4.34E+00	5.47E+00	6.37E+00	7.64E+00	8.46E+00	8.50E+00	8.09E+00	7.38E+00	6.59E+00
CS136	1.81E-03	1.80E-03	1.80E-03	1.79E-03	1.79E-03	1.78E-03	1.77E-03	1.76E-03	1.75E-03	1.73E-03	1.72E-03
CS137	6.05E-05	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04
BA137M	1.27E-07	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04
XE138	5.10E+02	4.38E+01	3.81E+00	3.30E-01	2.86E-02	2.15E-04	1.39E-07	9.05E-11	5.89E-14	3.82E-17	2.48E-20
CS138	7.58E+01	1.28E+02	4.42E+01	1.30E+01	3.64E+00	2.77E-01	5.77E-03	1.20E-04	2.48E-06	5.17E-08	1.07E-09
CS139	4.09E+02	1.31E+01	1.64E-01	2.06E-03	2.58E-05	4.05E-09	8.06E-15	1.59E-20	3.15E-26	6.25E-32	1.23E-37
BA139	7.55E+00	8.41E+01	5.19E+01	3.15E+01	1.91E+01	7.00E+00	1.55E+00	3.45E-01	7.67E-02	1.70E-02	3.77E-03
BA140	9.40E-02	5.87E-01	5.87E-01	5.82E-01	5.82E-01	5.78E-01	5.78E-01	5.73E-01	5.69E-01	5.64E-01	5.60E-01
LA140	2.23E-07	1.00E-02	1.99E-02	2.95E-02	3.90E-02	5.73E-02	8.37E-02	1.08E-01	1.32E-01	1.54E-01	1.74E-01
BA141	1.64E+02	4.97E+01	4.93E+00	4.89E-01	4.86E-02	4.82E-04	4.70E-07	4.58E-10	4.46E-13	4.39E-16	4.27E-19
LA141	1.52E+00	3.22E+01	3.00E+01	2.55E+01	2.13E+01	1.50E+01	8.77E+00	5.13E+00	3.02E+00	1.77E+00	1.04E+00
CE141	1.88E-07	2.09E-02	4.89E-02	7.36E-02	9.44E-02	1.26E-01	1.57E-01	1.75E-01	1.85E-01	1.91E-01	1.94E-01
BA142	4.31E+02	1.71E+01	3.91E-01	8.91E-03	2.03E-04	1.06E-07	1.25E-12	1.49E-17	1.76E-22	2.09E-27	2.48E-32
LA142	9.90E+00	6.87E+01	4.53E+01	2.88E+01	1.83E+01	7.42E+00	1.91E+00	4.93E-01	1.27E-01	3.27E-02	8.44E-03
LA143	1.63E+02	3.18E+01	1.63E+00	8.37E-02	4.30E-03	1.13E-05	1.52E-09	2.05E-13	2.76E-17	3.72E-21	5.02E-25
CE143	6.51E-02	4.15E+00	4.30E+00	4.19E+00	4.11E+00	3.96E+00	3.71E+00	3.48E+00	3.27E+00	3.07E+00	2.88E+00
PR143	1.90E-08	6.35E-03	1.53E-02	2.42E-02	3.30E-02	4.98E-02	7.34E-02	9.59E-02	1.16E-01	1.36E-01	1.54E-01
CE144	2.89E-03	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02
PR144	7.93E-07	1.88E-02	2.05E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02	2.07E-02
PR145	1.17E-01	1.72E+01	1.53E+01	1.36E+01	1.21E+01	9.62E+00	6.78E+00	4.79E+00	3.39E+00	2.39E+00	1.69E+00
CE146	3.73E+02	1.91E+01	9.81E-01	5.01E-02	2.58E-03	6.80E-06	9.16E-10	1.23E-13	1.66E-17	2.24E-21	3.02E-25
PR146	7.72E+00	6.71E+01	1.52E+01	2.86E+00	5.14E-01	1.62E-02	8.94E-05	4.93E-07	2.73E-09	1.51E-11	8.24E-14
PR147	4.39E+01	1.27E+01	3.96E-01	1.24E-02	3.87E-04	3.78E-07	1.15E-11	3.53E-16	1.08E-20	3.29E-25	1.00E-29

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.57E-05	2.95E-01	3.03E-01	3.03E-01	3.02E-01	3.00E-01	2.98E-01	2.96E-01	2.93E-01	2.91E-01	2.89E-01
ND149	2.65E+01	1.80E+01	1.23E+01	8.37E+00	5.66E+00	2.63E+00	8.27E-01	2.61E-01	8.22E-02	2.59E-02	8.17E-03
PM149	3.69E-03	2.89E-01	4.79E-01	6.07E-01	6.87E-01	7.72E-01	8.02E-01	7.87E-01	7.67E-01	7.37E-01	7.12E-01
PM150	2.98E-01	2.30E-01	1.78E-01	1.38E-01	1.06E-01	6.39E-02	2.96E-02	1.37E-02	6.34E-03	2.93E-03	1.36E-03
ND151	1.13E+02	3.52E+00	1.10E-01	3.44E-03	1.08E-04	1.05E-07	3.21E-12	9.80E-17	2.98E-21	9.09E-26	2.78E-30
PM151	7.13E-02	8.34E-01	8.39E-01	8.19E-01	7.99E-01	7.59E-01	7.03E-01	6.53E-01	6.08E-01	5.63E-01	5.22E-01
PM152	1.77E+02	1.73E-01	1.69E-04	1.65E-07	1.61E-10	1.54E-16	1.43E-25	1.33E-34	1.24E-43	1.16E-52	1.08E-61
SM153	2.53E-01	2.50E-01	2.46E-01	2.43E-01	2.39E-01	2.32E-01	2.22E-01	2.12E-01	2.03E-01	1.95E-01	1.86E-01
SM155	1.26E+01	2.07E+00	3.39E-01	5.55E-02	9.09E-03	2.45E-04	1.08E-06	4.76E-09	2.10E-11	9.34E-14	2.29E-16
EU155	9.26E-06	2.64E-04	3.06E-04	3.12E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
SM156	2.11E-01	1.96E-01	1.82E-01	1.69E-01	1.57E-01	1.35E-01	1.08E-01	8.70E-02	6.98E-02	5.59E-02	4.47E-02
EU156	6.16E-04	1.01E-03	1.37E-03	1.70E-03	2.01E-03	2.56E-03	3.26E-03	3.78E-03	4.23E-03	4.56E-03	4.80E-03
EU157	2.45E-02	8.13E-02	7.76E-02	7.41E-02	7.07E-02	6.46E-02	5.64E-02	4.92E-02	4.29E-02	3.73E-02	3.26E-02
EU158	7.30E-01	2.96E-01	1.20E-01	4.85E-02	1.96E-02	3.21E-03	2.14E-04	1.42E-05	9.42E-07	6.25E-08	4.15E-09
EU159	1.01E+00	1.00E-01	9.94E-03	9.87E-04	9.78E-05	9.65E-07	9.42E-10	9.20E-13	8.98E-16	8.78E-19	8.58E-22
GD159	4.32E-03	1.89E-02	1.97E-02	1.91E-02	1.84E-02	1.70E-02	1.52E-02	1.35E-02	1.20E-02	1.07E-02	9.56E-03
TB161	7.36E-05	5.29E-04	5.26E-04	5.24E-04	5.22E-04	5.17E-04	5.12E-04	5.05E-04	4.98E-04	4.93E-04	4.86E-04
TOTAL	1.16E+04	2.33E+03	8.42E+02	5.07E+02	3.81E+02	2.70E+02	1.95E+02	1.55E+02	1.28E+02	1.09E+02	9.48E+01

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ZUNI MICROCURIES/SQ METER PAGE 8
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	9.68E-03	9.57E-03	9.43E-03	9.08E-03	8.51E-03	7.47E-03	6.56E-03	5.05E-03	2.64E-03	7.17E-04	1.95E-04
NA 24	2.27E+00	7.49E-01	2.47E-01	8.86E-03	3.47E-05	5.30E-10	8.09E-15	1.88E-24	0.	0.	0.
MN 54	5.21E-03	5.16E-03	5.16E-03	5.07E-03	5.03E-03	4.93E-03	4.84E-03	4.61E-03	4.12E-03	3.27E-03	2.61E-03
FE 55	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.12E-02	1.12E-02	1.11E-02	1.09E-02	1.05E-02	9.79E-03	9.08E-03
FE 59	1.14E-03	1.13E-03	1.11E-03	1.06E-03	9.80E-04	8.40E-04	7.20E-04	5.29E-04	2.46E-04	5.24E-05	1.13E-05
CO 57	1.75E-03	1.75E-03	1.74E-03	1.74E-03	1.72E-03	1.66E-03	1.62E-03	1.55E-03	1.36E-03	1.05E-03	8.16E-04
CO 58	7.09E-03	7.03E-03	6.96E-03	6.75E-03	6.44E-03	5.84E-03	5.30E-03	4.36E-03	2.69E-03	1.02E-03	3.83E-04
CO 60	1.87E-04	1.87E-04	1.87E-04	1.87E-04	1.86E-04	1.86E-04	1.85E-04	1.84E-04	1.79E-04	1.74E-04	1.67E-04
CU 64	2.80E+00	7.62E-01	2.08E-01	4.23E-03	6.34E-06	1.44E-11	3.26E-17	1.68E-28	0.	0.	0.
CU 67	2.50E-01	1.91E-01	1.46E-01	6.48E-02	1.69E-02	1.14E-03	7.67E-05	3.48E-07	4.87E-13	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	4.95E-04	4.90E-04	4.82E-04	4.72E-04	4.52E-04	4.11E-04	3.75E-04	3.12E-04	1.97E-04	7.82E-05	3.11E-05
W187	1.55E-02	7.74E-03	3.84E-03	4.79E-04	1.47E-05	1.40E-08	1.32E-11	1.20E-19	0.	0.	0.
W188	3.29E-05	3.25E-05	3.22E-05	3.13E-05	2.98E-05	2.69E-05	2.44E-05	2.00E-05	1.21E-05	4.47E-06	1.64E-06
AU198	7.66E-02	5.91E-02	4.57E-02	2.11E-02	5.84E-03	4.47E-04	3.41E-05	2.00E-07	5.21E-13	0.	0.
AU199	1.19E-01	9.51E-02	7.63E-02	3.93E-02	1.30E-02	1.43E-03	1.57E-04	1.90E-06	3.06E-11	7.95E-21	0.
PB203	2.18E+00	1.58E+00	6.06E-01	1.23E-01	5.05E-03	2.07E-04	3.48E-07	4.07E-14	0.	0.	0.
U237	4.17E+00	3.77E+00	3.40E+00	2.50E+00	1.49E+00	5.35E-01	1.92E-01	2.45E-02	1.45E-04	1.56E-08	1.05E-08
U240	7.41E+00	2.28E+00	7.00E-01	2.03E-02	5.57E-05	4.19E-10	3.15E-15	1.78E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.04E-02	1.58E+01	1.18E+01	4.87E+00	1.11E+00	5.83E-02	3.05E-03	8.37E-06	3.29E-12	7.86E-22	7.86E-22
NP240M	1.17E-02	2.30E+00	7.06E-01	2.04E-02	5.61E-05	4.23E-10	3.18E-15	1.79E-25	0.	0.	0.
AM241	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08
CM242	2.83E-06	2.82E-06	2.80E-06	2.77E-06	2.71E-06	2.60E-06	2.49E-06	2.29E-06	1.86E-06	1.21E-06	7.92E-07
GE 77	8.93E-03	5.63E-03	1.29E-03	1.56E-05	9.89E-09	4.00E-15	1.61E-21	2.64E-34	0.	0.	0.
AS 77	9.23E-05	1.36E-02	9.86E-03	2.85E-03	3.34E-04	4.53E-06	6.15E-08	1.13E-11	5.26E-21	1.13E-39	2.42E-58
SE 77M	3.64E-09	4.10E-05	2.95E-05	8.57E-06	9.99E-07	1.36E-08	1.85E-10	3.41E-14	1.58E-23	3.38E-42	7.28E-61
AS 78	1.76E-02	1.57E-04	4.59E-09	3.88E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	3.98E-04	2.48E-04	1.55E-04	3.77E-05	3.57E-06	3.21E-08	2.88E-10	2.33E-14	1.36E-24	4.66E-45	1.59E-65
BR 83	3.11E-01	8.20E-03	8.24E-06	8.37E-15	8.55E-30	0.	0.	0.	0.	0.	0.
KR 83M	1.61E-05	3.59E-02	4.07E-05	3.66E-14	3.76E-29	0.	0.	0.	0.	0.	0.
KR 85M	3.27E-03	1.87E-01	4.26E-03	5.05E-08	3.11E-16	1.18E-32	4.49E-49	0.	0.	0.	0.
KR 85	3.38E-06	8.89E-05	9.06E-05	9.06E-05	9.06E-05	9.06E-05	9.06E-05	9.02E-05	8.93E-05	8.76E-05	8.63E-05
KR 87	4.37E+01	8.62E-05	1.71E-10	1.32E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.62E+01	6.89E-02	1.81E-04	3.28E-12	4.13E-25	0.	0.	0.	0.	0.	0.
RB 88	6.65E+00	7.68E-02	2.02E-04	3.67E-12	4.61E-25	0.	0.	0.	0.	0.	0.
SR 89	2.47E-06	7.39E-02	7.28E-02	6.99E-02	6.56E-02	5.73E-02	5.01E-02	3.86E-02	1.97E-02	5.19E-03	1.37E-03
SR 90	4.71E-06	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.84E-04	4.80E-04	4.80E-04	4.76E-04
Y 90	6.99E-12	1.11E-04	1.96E-04	3.53E-04	4.50E-04	4.80E-04	4.84E-04	4.84E-04	4.80E-04	4.80E-04	4.76E-04
SR 91	6.43E-01	2.30E+00	4.12E-01	2.36E-03	4.32E-07	1.47E-14	4.97E-22	5.66E-37	0.	0.	0.

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	4.32E-05	1.49E+00	2.66E-01	1.53E-03	2.80E-07	9.46E-15	3.20E-22	3.65E-37	0.	0.	0.
Y 91	1.77E-08	7.07E-02	8.37E-02	8.37E-02	7.88E-02	6.99E-02	6.22E-02	4.93E-02	2.73E-02	8.41E-03	2.58E-03
SR 92	8.44E+00	1.05E-01	2.27E-04	2.28E-12	1.07E-25	0.	0.	0.	0.	0.	0.
Y 92	3.89E-01	1.10E+00	1.22E-02	9.42E-09	5.49E-19	1.88E-39	6.44E-60	0.	0.	0.	0.
Y 93	4.40E-01	2.97E+00	5.79E-01	4.35E-03	1.25E-06	1.04E-13	8.55E-21	5.83E-35	0.	0.	0.
ZR 95	8.79E-04	1.10E-01	1.09E-01	1.05E-01	9.98E-02	8.94E-02	8.05E-02	6.51E-02	3.82E-02	1.31E-02	4.51E-03
NB 95M	1.87E-11	3.72E-04	6.78E-04	1.29E-03	1.75E-03	1.84E-03	1.70E-03	1.38E-03	8.09E-04	2.79E-04	9.60E-05
NB 95	9.79E-11	2.12E-03	4.20E-03	1.01E-02	1.87E-02	3.23E-02	4.16E-02	5.16E-02	4.97E-02	2.39E-02	9.17E-03
ZR 97	2.28E+00	3.88E+00	1.46E+00	7.74E-02	5.81E-04	3.27E-08	1.84E-12	5.81E-21	3.28E-42	0.	0.
NB 97M	1.17E-02	3.73E+00	1.40E+00	7.46E-02	5.58E-04	3.14E-08	1.77E-12	5.58E-21	3.15E-42	0.	0.
NB 97	1.14E+00	3.90E+00	1.46E+00	7.78E-02	5.85E-04	3.52E-08	1.98E-12	6.28E-21	3.53E-42	0.	0.
MO 99	6.86E-03	2.23E+00	1.74E+00	8.26E-01	2.39E-01	2.00E-02	1.66E-03	1.16E-05	4.72E-11	7.78E-22	1.28E-32
TC 99M	6.38E-08	1.96E+00	1.65E+00	7.91E-01	2.28E-01	1.90E-02	1.59E-03	1.11E-05	4.50E-11	7.43E-22	1.22E-32
RU103	7.59E-05	1.73E-01	1.70E-01	1.61E-01	1.48E-01	1.24E-01	1.04E-01	7.35E-02	3.06E-02	5.30E-03	9.25E-04
RH103M	5.06E-09	1.73E-01	1.70E-01	1.62E-01	1.48E-01	1.24E-01	1.04E-01	7.35E-02	3.06E-02	5.30E-03	9.25E-04
RU105	4.84E-01	4.63E-01	1.09E-02	1.43E-07	1.05E-15	5.58E-32	2.99E-48	0.	0.	0.	0.
RH105M	3.18E-03	4.63E-01	1.09E-02	1.43E-07	1.05E-15	5.61E-32	3.00E-48	0.	0.	0.	0.
RH105	5.23E-09	1.67E+00	1.09E+00	2.72E-01	2.68E-02	2.61E-04	2.53E-06	2.39E-10	2.07E-20	1.56E-40	1.17E-60
RU106	4.50E-04	8.51E-03	8.48E-03	8.44E-03	8.36E-03	8.22E-03	8.03E-03	7.74E-03	7.04E-03	5.82E-03	4.83E-03
RH106	4.86E-06	8.51E-03	8.48E-03	8.44E-03	8.36E-03	8.22E-03	8.03E-03	7.74E-03	7.04E-03	5.82E-03	4.83E-03
PD109	1.32E-02	3.37E-01	9.81E-02	2.43E-03	5.13E-06	2.29E-11	1.02E-16	2.01E-27	0.	0.	0.
AG109M	7.63E-05	3.37E-01	9.83E-02	2.44E-03	5.15E-06	2.29E-11	1.02E-16	2.02E-27	0.	0.	0.
PD111M	1.56E+00	7.59E-02	3.69E-03	4.23E-07	1.14E-13	8.34E-27	6.13E-40	0.	0.	0.	0.
PD111	5.57E-01	6.13E-02	2.96E-03	3.40E-07	9.22E-14	6.71E-27	4.92E-40	0.	0.	0.	0.
AG111M	4.42E-03	7.99E-02	3.89E-03	4.48E-07	1.21E-13	8.87E-27	6.48E-40	0.	0.	0.	0.
AG111	1.58E-09	4.35E-02	4.18E-02	3.18E-02	2.00E-02	7.94E-03	3.15E-03	4.97E-04	4.88E-06	4.73E-10	4.59E-14
PD112	4.66E-01	2.12E-01	9.58E-02	8.89E-03	1.69E-04	6.14E-08	2.23E-11	2.93E-18	1.85E-35	0.	0.
AG112	1.40E-05	2.46E-01	1.13E-01	1.05E-02	2.00E-04	7.25E-08	2.63E-11	3.47E-18	2.17E-35	0.	0.
AG113	5.61E-03	5.93E-02	2.56E-03	2.08E-07	3.19E-14	7.46E-28	1.74E-41	0.	0.	0.	0.
CD115M	1.70E-08	4.93E-04	4.85E-04	4.62E-04	4.27E-04	3.63E-04	3.10E-04	2.23E-04	1.00E-04	1.99E-05	3.97E-06
CD115	6.59E-06	9.92E-02	7.27E-02	2.86E-02	6.04E-03	2.70E-04	1.20E-05	2.40E-08	4.24E-15	1.33E-28	4.15E-42
IN115M	8.21E-11	1.05E-01	7.93E-02	3.13E-02	6.59E-03	2.95E-04	1.31E-05	2.62E-08	4.63E-15	1.45E-28	4.54E-42
CD117	1.49E-01	3.25E-03	3.16E-06	2.95E-15	2.62E-30	0.	0.	0.	0.	0.	0.
IN117M	7.16E-06	1.35E-02	1.56E-05	1.51E-14	1.34E-29	0.	0.	0.	0.	0.	0.
IN117	2.88E-10	8.89E-03	1.05E-05	1.02E-14	9.05E-30	0.	0.	0.	0.	0.	0.
SN121	3.05E-03	1.74E-01	9.37E-02	1.48E-02	6.77E-04	1.43E-06	3.01E-09	1.34E-14	5.61E-28	0.	0.
SN123	1.40E-05	1.46E-03	1.45E-03	1.43E-03	1.39E-03	1.31E-03	1.24E-03	1.11E-03	8.42E-04	4.84E-04	2.79E-04
SN125	3.17E-02	2.94E-02	2.74E-02	2.19E-02	1.51E-02	7.25E-03	3.47E-03	7.93E-04	1.99E-05	1.25E-08	7.83E-12
SB125	1.90E-04	2.11E-04	2.31E-04	2.82E-04	3.46E-04	4.19E-04	4.51E-04	4.70E-04	4.61E-04	4.30E-04	4.01E-04
SB126	3.88E-03	3.68E-03	3.48E-03	2.94E-03	2.23E-03	1.28E-03	7.38E-04	2.43E-04	1.52E-05	7.38E-08	1.48E-08

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.36E+00	1.22E-03	4.43E-07	2.11E-17	1.33E-34	0.	0.	0.	0.	0.	0.
SB127	3.92E-02	1.61E-01	1.35E-01	7.87E-02	3.22E-02	5.38E-03	9.00E-04	2.52E-05	3.28E-09	5.61E-17	9.54E-25
TE127M	3.17E-10	2.46E-04	4.50E-04	8.73E-04	1.21E-03	1.33E-03	1.28E-03	1.14E-03	8.30E-04	4.38E-04	2.32E-04
TE127	2.22E-02	1.15E-01	1.13E-01	6.90E-02	2.92E-02	5.98E-03	2.05E-03	1.15E-03	8.19E-04	4.33E-04	2.29E-04
SB128	7.74E-01	1.32E-01	2.08E-02	8.13E-05	7.88E-09	7.40E-17	6.96E-25	6.13E-41	0.	0.	0.
SB129	3.74E+00	1.91E-01	3.99E-03	3.64E-08	1.45E-16	2.28E-33	3.60E-50	0.	0.	0.	0.
TE129M	7.06E-08	7.44E-03	7.44E-03	7.02E-03	6.35E-03	5.17E-03	4.20E-03	2.80E-03	1.01E-03	1.32E-04	1.71E-05
TE129	2.69E+00	2.24E-01	9.33E-03	4.50E-03	4.06E-03	3.31E-03	2.70E-03	1.79E-03	6.47E-04	8.45E-05	1.10E-05
I130	1.75E-02	4.58E-03	1.20E-03	2.14E-05	2.62E-08	3.90E-14	5.82E-20	1.30E-31	0.	0.	0.
TE131M	6.98E-05	2.44E-01	1.40E-01	2.65E-02	1.66E-03	6.47E-06	2.53E-08	3.87E-13	3.51E-25	0.	0.
TE131	6.43E+01	4.45E-02	2.56E-02	4.85E-03	3.03E-04	1.18E-06	4.62E-09	7.07E-14	6.43E-26	0.	0.
I131	9.34E-03	5.04E-01	4.76E-01	3.83E-01	2.52E-01	1.06E-01	4.50E-02	8.05E-03	1.09E-04	1.98E-08	3.61E-12
XE131M	2.53E-11	2.33E-04	4.43E-04	9.25E-04	1.32E-03	1.31E-03	9.71E-04	4.01E-04	2.67E-05	8.00E-08	2.26E-10
TE132	7.62E-01	1.51E+00	1.22E+00	6.42E-01	2.21E-01	2.62E-02	3.11E-03	4.36E-05	1.02E-09	5.59E-19	3.05E-28
I132	1.87E+00	1.56E+00	1.26E+00	6.60E-01	2.28E-01	2.70E-02	3.20E-03	4.50E-05	1.05E-09	5.72E-19	3.14E-28
I133	7.71E-01	4.30E+00	1.94E+00	1.80E-01	3.43E-03	1.24E-06	4.51E-10	5.94E-17	3.73E-34	0.	0.
XE133M	3.28E-08	4.06E-02	4.80E-02	2.82E-02	6.61E-03	3.10E-04	1.44E-05	3.13E-08	6.86E-15	3.28E-28	1.57E-41
XE133	5.73E-07	7.79E-01	1.04E+00	9.35E-01	5.10E-01	1.38E-01	3.70E-02	2.67E-03	3.71E-06	7.20E-12	1.40E-17
I135	1.30E+01	2.13E+00	1.77E-01	1.03E-04	4.19E-10	6.93E-21	1.14E-31	3.09E-53	0.	0.	0.
XE135M	1.44E-03	6.63E-01	5.54E-02	3.22E-05	1.31E-10	2.16E-21	3.55E-32	9.66E-54	0.	0.	0.
XE135	1.50E+00	5.73E+00	1.40E+00	8.01E-03	9.81E-07	1.38E-14	1.93E-22	3.82E-38	0.	0.	0.
CS136	1.81E-03	1.71E-03	1.62E-03	1.38E-03	1.06E-03	6.22E-04	3.66E-04	1.26E-04	8.73E-06	4.21E-08	2.04E-10
CS137	6.05E-05	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.52E-04	6.48E-04	6.45E-04	6.41E-04
BA137M	1.27E-07	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.08E-04	6.05E-04	6.01E-04	5.98E-04
BA139	7.55E+00	8.06E-04	4.76E-09	9.79E-25	0.	0.	0.	0.	0.	0.	0.
BA140	9.40E-02	5.55E-01	5.28E-01	4.48E-01	3.42E-01	1.99E-01	1.16E-01	3.92E-02	2.61E-03	1.16E-05	5.15E-08
LA140	2.23E-07	1.93E-01	3.11E-01	4.30E-01	3.82E-01	2.29E-01	1.33E-01	4.52E-02	3.00E-03	1.34E-05	5.96E-08
LA141	1.52E+00	6.03E-01	8.46E-03	2.34E-08	1.28E-17	3.82E-36	1.14E-54	0.	0.	0.	0.
CE141	1.88E-07	2.08E-01	2.07E-01	1.94E-01	1.74E-01	1.41E-01	1.14E-01	7.40E-02	2.54E-02	2.99E-03	3.52E-04
LA142	9.90E+00	2.17E-03	4.20E-08	3.09E-22	0.	0.	0.	0.	0.	0.	0.
CE143	6.51E-02	2.68E+00	1.62E+00	3.56E-01	2.87E-02	1.85E-04	1.20E-06	5.02E-11	5.67E-22	0.	0.
PR143	1.90E-08	1.71E-01	2.66E-01	3.44E-01	2.95E-01	1.80E-01	1.08E-01	3.92E-02	3.14E-03	1.99E-05	1.26E-07
CE144	2.89E-03	2.07E-02	2.06E-02	2.04E-02	2.02E-02	1.97E-02	1.92E-02	1.83E-02	1.62E-02	1.27E-02	9.96E-03
PR144	7.93E-07	2.07E-02	2.06E-02	2.04E-02	2.02E-02	1.97E-02	1.92E-02	1.83E-02	1.62E-02	1.27E-02	9.96E-03
PR145	1.17E-01	1.20E+00	7.40E-02	1.76E-05	1.60E-11	1.33E-23	1.10E-35	0.	0.	0.	0.
ND147	1.57E-05	2.63E-01	2.48E-01	2.05E-01	1.50E-01	8.07E-02	4.31E-02	1.24E-02	5.42E-04	1.06E-06	2.05E-09
PM147	4.35E-14	1.97E-04	3.81E-04	8.71E-04	1.51E-03	2.30E-03	2.72E-03	3.03E-03	3.05E-03	2.85E-03	2.65E-03
ND149	2.65E+01	2.57E-03	2.49E-07	2.27E-19	1.94E-39	0.	0.	0.	0.	0.	0.
PM149	3.69E-03	6.82E-01	4.99E-01	1.95E-01	4.07E-02	1.77E-03	7.72E-05	1.47E-07	2.32E-14	5.72E-28	1.42E-41
PM150	2.98E-01	6.29E-04	1.32E-06	1.24E-14	5.21E-28	0.	0.	0.	0.	0.	0.

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	7.13E-02	4.86E-01	2.68E-01	4.52E-02	2.32E-03	6.08E-06	1.60E-08	1.11E-13	1.39E-26	0.	0.
SM153	2.53E-01	1.78E-01	1.25E-01	4.32E-02	7.34E-03	2.14E-04	6.21E-06	5.21E-09	1.08E-16	4.58E-32	1.95E-47
SM156	2.11E-01	3.59E-02	6.13E-03	3.02E-05	4.35E-09	8.94E-17	1.85E-24	7.85E-40	0.	0.	0.
EU155	9.26E-06	3.14E-04	3.13E-04	3.13E-04	3.12E-04	3.11E-04	3.10E-04	3.07E-04	3.02E-04	2.90E-04	2.78E-04
EU156	6.16E-04	5.01E-03	5.56E-03	4.98E-03	3.96E-03	2.49E-03	1.57E-03	6.22E-04	6.16E-05	6.07E-07	5.98E-09
EU157	2.45E-02	2.83E-02	9.53E-03	3.57E-04	1.50E-06	2.65E-11	4.68E-16	1.46E-25	0.	0.	0.
GD159	4.32E-03	8.51E-03	3.39E-03	2.11E-04	2.08E-06	2.01E-10	1.95E-14	1.83E-22	1.56E-42	0.	0.
TB161	7.36E-05	4.81E-04	4.34E-04	3.21E-04	1.94E-04	7.11E-05	2.60E-05	3.49E-06	2.31E-08	9.97E-13	4.34E-17
TOTAL	2.52E+02	8.25E+01	4.18E+01	1.59E+01	6.58E+00	2.40E+00	1.36E+00	6.95E-01	3.11E-01	1.25E-01	6.92E-02

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	9.68E-03	8.36E-05	7.78E-06	7.22E-07	5.81E-10	4.65E-13	3.48E-17	2.23E-23	0.	0.	0.
MN 54	5.21E-03	2.25E-03	1.48E-03	9.73E-04	2.78E-04	7.93E-05	1.49E-05	1.22E-06	2.87E-10	1.04E-15	3.75E-21
FE 59	1.14E-03	4.12E-06	2.47E-07	1.49E-08	3.23E-12	6.98E-16	9.09E-21	4.26E-28	0.	0.	0.
CO 57	1.75E-03	6.91E-04	4.33E-04	2.72E-04	6.69E-05	1.65E-05	2.55E-07	1.55E-07	1.35E-11	1.11E-17	0.
CO 58	7.09E-03	2.04E-04	3.46E-05	5.86E-06	2.85E-08	1.39E-10	1.15E-13	2.72E-18	1.04E-33	0.	0.
CO 60	1.87E-04	1.64E-04	1.53E-04	1.43E-04	1.17E-04	9.64E-05	7.40E-05	4.99E-05	1.34E-05	1.86E-06	2.57E-07
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	4.95E-04	1.70E-05	3.15E-06	5.84E-07	3.72E-09	2.37E-11	2.79E-14	1.13E-18	0.	0.	0.
W188	3.29E-05	8.56E-07	1.39E-07	2.23E-08	9.41E-11	3.94E-13	2.67E-16	4.72E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	4.17E+00	1.04E-08	1.01E-08	9.87E-09	9.24E-09	8.57E-09	7.80E-09	6.76E-09	4.21E-09	2.06E-09	1.01E-09
AM241	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.52E-08	1.53E-08	1.53E-08	1.53E-08	1.54E-08	1.53E-08	1.50E-08
CM242	2.83E-06	6.00E-07	2.76E-07	1.27E-07	1.24E-08	1.20E-09	5.40E-11	5.11E-13	1.47E-17	1.37E-17	1.28E-17
KR 85	3.38E-06	8.41E-05	8.15E-05	7.89E-05	7.19E-05	6.49E-05	5.71E-05	4.70E-05	2.49E-05	9.50E-06	3.63E-06
SR 89	2.47E-06	5.77E-04	5.05E-05	4.43E-06	2.98E-09	2.01E-12	1.19E-16	5.41E-23	3.93E-44	0.	0.
SR 90	4.71E-06	4.71E-04	4.67E-04	4.63E-04	4.46E-04	4.29E-04	4.08E-04	3.79E-04	2.96E-04	2.04E-04	1.41E-04
Y 90	6.99E-12	4.71E-04	4.67E-04	4.63E-04	4.46E-04	4.29E-04	4.08E-04	3.79E-04	2.96E-04	2.04E-04	1.41E-04
Y 91	1.77E-08	1.20E-03	1.39E-04	1.62E-05	2.53E-08	3.98E-11	7.28E-15	1.79E-20	3.61E-39	0.	0.
ZR 95	8.79E-04	2.26E-03	3.22E-04	4.59E-05	1.34E-07	3.89E-10	1.61E-13	1.36E-18	1.66E-35	0.	0.
NB 95M	1.87E-11	4.78E-05	6.82E-06	9.75E-07	2.83E-09	8.25E-12	3.41E-15	2.88E-20	3.53E-37	0.	0.
NB 95	9.79E-11	4.86E-03	6.98E-04	9.94E-05	2.88E-07	8.36E-10	3.49E-13	2.95E-18	3.61E-35	0.	0.
RU103	7.59E-05	2.95E-04	1.21E-05	4.96E-07	3.39E-11	2.32E-15	6.52E-21	3.07E-29	0.	0.	0.
RH103M	5.06E-09	2.95E-04	1.21E-05	4.96E-07	3.39E-11	2.33E-15	6.52E-21	3.07E-29	0.	0.	0.
RU106	4.50E-04	4.27E-03	3.03E-03	2.14E-03	7.63E-04	2.71E-04	6.82E-05	8.62E-06	8.70E-09	2.80E-13	8.99E-18
RH106	4.86E-06	4.27E-03	3.03E-03	2.14E-03	7.63E-04	2.71E-04	6.82E-05	8.62E-06	8.70E-09	2.80E-13	8.99E-18
SN123	1.40E-05	1.94E-04	7.04E-05	2.55E-05	1.23E-06	5.88E-08	1.02E-09	2.36E-12	3.79E-21	2.44E-34	1.57E-47
SB125	1.90E-04	3.83E-04	3.37E-04	2.96E-04	2.02E-04	1.37E-04	8.21E-05	3.80E-05	2.92E-06	6.21E-08	1.32E-09
TE125M	5.12E-12	1.56E-04	1.39E-04	1.22E-04	8.36E-05	5.68E-05	3.40E-05	1.57E-05	1.21E-06	2.57E-08	5.48E-10
TE127M	3.17E-10	1.52E-04	4.75E-05	1.49E-05	4.58E-07	1.41E-08	1.35E-10	1.27E-13	1.05E-23	7.82E-39	5.82E-54
TE127	2.22E-02	1.50E-04	4.70E-05	1.47E-05	4.52E-07	1.39E-08	1.34E-10	1.26E-13	1.03E-23	7.71E-39	5.77E-54
CS137	6.05E-05	6.37E-04	6.30E-04	6.23E-04	6.01E-04	5.79E-04	5.54E-04	5.18E-04	4.09E-04	2.91E-04	2.05E-04
BA137M	1.27E-07	5.98E-04	5.90E-04	5.83E-04	5.61E-04	5.43E-04	5.18E-04	4.85E-04	3.84E-04	2.72E-04	1.92E-04
CE141	1.88E-07	8.11E-05	1.63E-06	3.27E-08	2.67E-13	2.17E-18	3.56E-25	2.36E-35	0.	0.	0.
CE144	2.89E-03	8.49E-03	5.46E-03	3.48E-03	9.14E-04	2.40E-04	4.04E-05	2.79E-06	3.76E-10	5.89E-16	9.18E-22
PR144	7.93E-07	8.49E-03	5.46E-03	3.48E-03	9.14E-04	2.40E-04	4.04E-05	2.79E-06	3.76E-10	5.89E-16	9.18E-22
PM147	4.35E-14	2.53E-03	2.21E-03	1.94E-03	1.30E-03	8.76E-04	5.14E-04	2.34E-04	1.66E-05	3.14E-07	5.93E-09
EU155	9.26E-06	2.71E-04	2.52E-04	2.34E-04	1.89E-04	1.51E-04	1.13E-04	7.30E-05	1.71E-05	1.92E-06	2.16E-07
TOTAL	4.23E+00	4.46E-02	2.57E-02	1.77E-02	7.72E-03	4.48E-03	3.00E-03	2.24E-03	1.46E-03	9.85E-04	6.85E-04

PAGE 2

1 ZUNI
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
RELAXATION LENGTH = 0.16 GM/SQCM

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	1.07E+02	1.18E+04
1.00E+00		3.23E+01	2.34E+03
2.00E+00		1.27E+01	8.72E+02
3.00E+00		6.75E+00	5.20E+02
4.00E+00		4.22E+00	3.81E+02
6.00E+00		2.24E+00	2.60E+02
9.00E+00		1.35E+00	1.83E+02
1.20E+01		1.00E+00	1.43E+02
1.50E+01		7.94E-01	1.17E+02
1.80E+01		6.55E-01	9.85E+01
2.10E+01		5.53E-01	8.50E+01
1.00E+00	DAYS	4.67E-01	7.32E+01
2.00E+00		2.12E-01	3.55E+01
5.00E+00		8.15E-02	1.36E+01
1.00E+01		3.79E-02	5.89E+00
2.00E+01		1.51E-02	2.27E+00
3.00E+01		8.52E-03	1.31E+00
5.00E+01		3.84E-03	6.82E-01
1.00E+02		1.29E-03	2.92E-01
2.00E+02		4.45E-04	1.08E-01
3.00E+02		1.90E-04	5.74E-02
1.00E+00	YEARS	1.21E-04	3.84E-02
1.50E+00		5.27E-05	2.28E-02
2.00E+00		3.51E-05	1.62E-02
3.50E+00		1.85E-05	7.64E-03
5.00E+00		1.28E-05	4.76E-03
7.00E+00		9.83E-06	3.40E-03
1.00E+01		7.97E-06	2.70E-03
2.00E+01		5.35E-06	1.89E-03
3.50E+01		3.59E-06	1.29E-03
5.00E+01		2.51E-06	8.97E-04

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	6.35E-03	6.34E-03	6.34E-03	6.34E-03	6.34E-03	6.33E-03	6.32E-03	6.30E-03	6.29E-03	6.28E-03	6.27E-03
NA 24	1.49E+00	1.42E+00	1.36E+00	1.30E+00	1.24E+00	1.13E+00	9.82E-01	8.57E-01	7.46E-01	6.50E-01	5.63E-01
MN 54	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03
FE 55	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03
FE 59	7.49E-04	7.48E-04	7.48E-04	7.48E-04	7.48E-04	7.47E-04	7.46E-04	7.45E-04	7.42E-04	7.41E-04	7.40E-04
CO 57	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	1.15E-03
CO 58	4.65E-03	4.65E-03	4.65E-03	4.65E-03	4.64E-03	4.64E-03	4.63E-03	4.63E-03	4.62E-03	4.62E-03	4.61E-03
CO 60	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04
CU 64	1.84E+00	1.74E+00	1.64E+00	1.56E+00	1.48E+00	1.33E+00	1.13E+00	9.57E-01	8.14E-01	6.92E-01	5.89E-01
CU 67	1.64E-01	1.63E-01	1.60E-01	1.58E-01	1.57E-01	1.53E-01	1.47E-01	1.43E-01	1.38E-01	1.33E-01	1.29E-01
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.49E-04	6.49E-04	6.49E-04	6.49E-04	6.48E-04	6.48E-04	6.48E-04	6.46E-04	6.46E-04	6.44E-04	6.44E-04
W187	2.03E-02	1.97E-02	1.91E-02	1.86E-02	1.81E-02	1.71E-02	1.57E-02	1.44E-02	1.31E-02	1.21E-02	1.10E-02
W188	4.32E-05	4.32E-05	4.32E-05	4.31E-05	4.31E-05	4.31E-05	4.30E-05	4.30E-05	4.29E-05	4.29E-05	4.28E-05
AU198	1.00E-01	9.96E-02	9.87E-02	9.70E-02	9.61E-02	9.44E-02	9.09E-02	8.83E-02	8.52E-02	8.26E-02	7.99E-02
AU199	1.55E-01	1.54E-01	1.53E-01	1.51E-01	1.50E-01	1.47E-01	1.43E-01	1.39E-01	1.35E-01	1.32E-01	1.28E-01
PB203	3.93E+00	3.87E+00	3.82E+00	3.76E+00	3.71E+00	3.63E+00	3.49E+00	3.35E+00	3.22E+00	3.08E+00	2.97E+00
U237	2.74E+00	2.72E+00	2.71E+00	2.70E+00	2.69E+00	2.67E+00	2.63E+00	2.60E+00	2.56E+00	2.53E+00	2.50E+00
U239	1.99E+03	3.39E+02	5.79E+01	9.86E+00	1.68E+00	4.88E-02	2.42E-04	1.19E-06	5.91E-09	2.92E-11	1.44E-13
U240	4.86E+00	4.63E+00	4.41E+00	4.19E+00	3.99E+00	3.62E+00	3.12E+00	2.69E+00	2.32E+00	2.00E+00	1.73E+00
NP239	6.81E-03	1.14E+01	1.32E+01	1.34E+01	1.33E+01	1.30E+01	1.25E+01	1.20E+01	1.16E+01	1.12E+01	1.08E+01
NP240M	7.68E-03	4.64E+00	4.44E+00	4.23E+00	4.03E+00	3.64E+00	3.15E+00	2.72E+00	2.34E+00	2.02E+00	1.74E+00
NP240	1.95E-10	1.00E-10	5.19E-11	2.68E-11	1.39E-11	3.71E-12	5.11E-13	7.06E-14	9.73E-15	1.34E-15	1.85E-16
AM241	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09
CM242	1.86E-06	1.86E-06	1.86E-06	1.86E-06	1.86E-06	1.86E-06	1.85E-06	1.85E-06	1.85E-06	1.85E-06	1.85E-06
GE 75	3.51E-05	1.70E-01	1.03E-01	6.17E-02	3.71E-02	1.35E-02	2.94E-03	6.44E-04	1.41E-04	3.07E-05	6.71E-06
GE 77	1.17E-02	3.02E-02	2.84E-02	2.67E-02	2.51E-02	2.22E-02	1.85E-02	1.54E-02	1.28E-02	1.06E-02	8.85E-03
AS 77	1.21E-04	1.91E-02	1.93E-02	1.95E-02	1.96E-02	1.97E-02	1.97E-02	1.96E-02	1.93E-02	1.89E-02	1.84E-02
SE 77M	4.77E-09	5.73E-05	5.81E-05	5.86E-05	5.86E-05	5.90E-05	5.94E-05	5.90E-05	5.81E-05	5.68E-05	5.51E-05
GE 78	1.28E+00	8.03E-01	5.00E-01	3.12E-01	1.95E-01	7.58E-02	1.84E-02	4.46E-03	1.09E-03	2.65E-04	6.42E-05
AS 78	2.31E-02	3.84E-01	4.73E-01	4.43E-01	3.70E-01	2.19E-01	8.12E-02	2.69E-02	8.34E-03	2.49E-03	7.23E-04
AS 79	2.12E+01	2.09E-01	2.06E-03	2.02E-05	1.99E-07	1.93E-11	1.84E-17	1.76E-23	1.68E-29	1.60E-35	1.53E-41
SE 79M	3.14E-02	3.68E-01	3.63E-03	3.58E-05	3.52E-07	3.40E-11	3.25E-17	3.10E-23	2.96E-29	2.82E-35	2.69E-41
BR 80	1.19E-01	1.13E-02	1.06E-03	9.96E-05	9.38E-06	8.31E-08	6.96E-11	5.80E-14	4.83E-17	4.04E-20	3.37E-23
SE 81M	9.56E-02	4.46E+00	2.15E+00	1.03E+00	4.98E-01	1.16E-01	1.30E-02	1.46E-03	1.64E-04	1.83E-05	2.05E-06
SE 81	1.17E+00	5.27E+00	3.05E+00	1.52E+00	7.39E-01	1.72E-01	1.93E-02	2.16E-03	2.42E-04	2.72E-05	3.04E-06
BR 82	5.22E-04	5.12E-04	5.02E-04	4.92E-04	4.82E-04	4.64E-04	4.37E-04	4.12E-04	3.89E-04	3.66E-04	3.46E-04
SE 83	4.91E+01	9.31E+00	1.76E+00	3.34E-01	6.32E-02	2.28E-03	1.55E-05	1.05E-07	7.18E-10	4.87E-12	3.09E-14
BR 83	4.08E-01	6.09E+00	5.64E+00	4.44E+00	3.37E+00	1.90E+00	8.05E-01	3.38E-01	1.43E-01	6.03E-02	2.55E-02
KR 83M	2.11E-05	1.38E+00	2.82E+00	3.50E+00	3.61E+00	3.01E+00	1.78E+00	9.14E-01	4.40E-01	2.03E-01	9.14E-02

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.68E-02	1.67E+01	4.51E+00	1.22E+00	3.30E-01	2.42E-02	4.77E-04	9.43E-06	1.86E-07	3.69E-09	7.29E-11
KR 85M	4.29E-03	9.20E+00	7.83E+00	6.68E+00	5.71E+00	4.17E+00	2.60E+00	1.62E+00	1.01E+00	6.28E-01	3.92E-01
KR 87	5.73E+01	3.31E+01	1.91E+01	1.11E+01	6.38E+00	2.14E+00	4.15E-01	8.04E-02	1.56E-02	3.02E-03	5.83E-04
KR 88	3.43E+01	2.68E+01	2.09E+01	1.63E+01	1.27E+01	7.74E+00	3.70E+00	1.76E+00	8.36E-01	3.98E-01	1.89E-01
RB 88	8.72E+00	2.71E+01	2.31E+01	1.82E+01	1.42E+01	8.67E+00	4.14E+00	1.97E+00	9.39E-01	4.46E-01	2.12E-01
RB 89	4.22E+01	3.96E+01	2.67E+00	1.79E-01	1.20E-02	5.43E-05	1.64E-08	4.96E-12	1.51E-15	4.58E-19	1.39E-22
SR 89	3.23E-06	1.13E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.20E-01	1.20E-01
SR 90	6.18E-06	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04
SR 91	7.37E-01	1.37E+01	1.28E+01	1.19E+01	1.11E+01	9.60E+00	7.74E+00	6.26E+00	5.05E+00	4.06E+00	3.27E+00
Y 91M	4.96E-05	4.73E+00	6.45E+00	6.91E+00	6.82E+00	6.12E+00	5.01E+00	4.03E+00	3.25E+00	2.62E+00	2.11E+00
Y 91	2.03E-08	4.21E-03	9.69E-03	1.55E-02	2.11E-02	3.17E-02	4.50E-02	5.56E-02	6.45E-02	7.14E-02	7.70E-02
SR 92	5.53E+00	2.47E+01	1.91E+01	1.48E+01	1.15E+01	6.87E+00	3.19E+00	1.48E+00	6.87E-01	3.19E-01	1.48E-01
Y 92	2.55E-01	5.20E+00	8.16E+00	9.70E+00	1.03E+01	9.80E+00	7.51E+00	5.12E+00	3.29E+00	2.03E+00	1.22E+00
SR 93	2.36E+02	4.07E+00	2.25E-02	1.24E-04	6.84E-07	2.09E-11	3.53E-18	5.95E-25	1.00E-31	1.69E-38	2.85E-45
Y 93	2.88E-01	9.32E+00	8.75E+00	8.19E+00	7.65E+00	6.68E+00	5.44E+00	4.44E+00	3.61E+00	2.96E+00	2.41E+00
Y 94	3.52E+01	4.81E+01	6.19E+00	7.98E-01	1.03E-01	1.71E-03	3.67E-06	7.87E-09	1.68E-11	3.67E-14	2.03E-15
Y 95	1.53E+02	1.45E+01	3.18E-01	7.02E-03	1.55E-04	7.50E-08	8.03E-13	8.59E-18	9.17E-23	9.80E-28	1.05E-32
ZR 95	5.76E-04	7.53E-02	7.68E-02	7.68E-02	7.68E-02	7.68E-02	7.68E-02	7.66E-02	7.66E-02	7.63E-02	7.63E-02
NB 95	6.42E-11	4.65E-05	1.08E-04	1.70E-04	2.32E-04	3.56E-04	5.41E-04	7.28E-04	9.10E-04	1.09E-03	1.28E-03
ZR 97	1.50E+00	6.51E+00	6.23E+00	6.00E+00	5.74E+00	5.30E+00	4.69E+00	4.14E+00	3.68E+00	3.24E+00	2.88E+00
NB 97M	7.70E-03	6.26E+00	6.00E+00	5.77E+00	5.53E+00	5.10E+00	4.51E+00	3.99E+00	3.53E+00	3.12E+00	2.75E+00
NB 97	7.49E-01	3.27E+00	4.61E+00	5.25E+00	5.51E+00	5.48E+00	4.99E+00	4.45E+00	3.94E+00	3.48E+00	3.09E+00
NB 98	8.49E+00	3.76E+00	1.66E+00	7.35E-01	3.26E-01	6.37E-02	5.51E-03	4.76E-04	4.15E-05	3.59E-06	3.09E-07
MO 99	4.50E-03	1.86E+00	1.84E+00	1.82E+00	1.80E+00	1.76E+00	1.71E+00	1.66E+00	1.61E+00	1.56E+00	1.51E+00
TC 99M	4.18E-08	1.77E-01	3.32E-01	4.70E-01	5.90E-01	7.88E-01	9.99E-01	1.13E+00	1.22E+00	1.26E+00	1.28E+00
MO101	1.38E+02	6.24E+01	3.62E+00	2.10E-01	1.22E-02	4.08E-05	7.93E-09	1.54E-12	3.00E-16	5.83E-20	1.14E-23
TC101	5.83E+00	1.75E+02	1.91E+01	1.57E+00	1.14E-01	5.15E-04	1.29E-07	2.89E-11	6.12E-15	1.26E-18	2.55E-22
MO102	1.26E+03	2.88E+01	6.55E-01	1.50E-02	3.41E-04	1.77E-07	2.11E-12	2.50E-17	2.96E-22	3.52E-27	4.18E-32
TC102M	8.11E-01	2.43E+01	5.58E-01	1.27E-02	2.90E-04	1.50E-07	1.78E-12	2.12E-17	2.51E-22	2.97E-27	3.53E-32
TC102	3.80E+03	1.45E+01	3.31E-01	7.51E-03	1.72E-04	8.95E-08	1.06E-12	1.26E-17	1.50E-22	1.77E-27	2.10E-32
RU103	9.95E-05	2.31E-01	2.30E-01	2.30E-01	2.30E-01	2.30E-01	2.29E-01	2.29E-01	2.28E-01	2.28E-01	2.27E-01
RH103M	6.64E-09	1.19E-01	1.77E-01	2.05E-01	2.18E-01	2.27E-01	2.29E-01	2.29E-01	2.28E-01	2.28E-01	2.28E-01
TC104	7.96E+01	5.71E+01	5.71E+00	5.66E-01	5.60E-02	5.51E-04	5.38E-07	5.26E-10	5.14E-13	5.02E-16	4.90E-19
RU105	6.34E-01	2.19E+01	1.88E+01	1.61E+01	1.38E+01	1.00E+01	6.30E+00	3.94E+00	2.46E+00	1.54E+00	9.68E-01
RH105M	4.17E-03	2.20E+01	1.88E+01	1.61E+01	1.38E+01	1.01E+01	6.30E+00	3.95E+00	2.47E+00	1.55E+00	9.68E-01
RH105	6.85E-09	4.46E-01	8.29E-01	1.14E+00	1.41E+00	1.80E+00	2.15E+00	2.32E+00	2.36E+00	2.34E+00	2.28E+00
RU106	5.89E-04	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
RH106	6.38E-06	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
RH107	1.61E-01	2.19E+01	3.32E+00	5.00E-01	7.55E-02	1.72E-03	5.93E-06	2.05E-08	7.04E-11	2.41-146	2.40E-17
PD107M	3.35E-04	4.46E+00	6.74E-01	1.02E-01	1.54E-02	3.50E-04	1.21E-06	4.16E-09	1.43E-11	4.94E-14	1.69E-16

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.73E-02	1.44E+00	1.37E+00	1.30E+00	1.23E+00	1.11E+00	9.55E-01	8.18E-01	7.01E-01	6.01E-01	5.16E-01
AG109M	1.00E-04	1.44E+00	1.37E+00	1.30E+00	1.23E+00	1.11E+00	9.55E-01	8.18E-01	7.01E-01	6.01E-01	5.16E-01
PD111M	2.05E+00	1.81E+00	1.59E+00	1.41E+00	1.24E+00	9.64E-01	6.59E-01	4.52E-01	3.10E-01	2.12E-01	1.45E-01
PD111	7.30E-01	1.32E+00	1.26E+00	1.12E+00	9.95E-01	7.73E-01	5.30E-01	3.63E-01	2.49E-01	1.71E-01	1.17E-01
AG111M	5.80E-03	1.77E+00	1.67E+00	1.49E+00	1.32E+00	1.02E+00	6.95E-01	4.77E-01	3.27E-01	2.24E-01	1.53E-01
AG111	2.07E-09	6.12E-03	1.29E-02	1.89E-02	2.43E-02	3.30E-02	4.25E-02	4.87E-02	5.27E-02	5.52E-02	5.68E-02
PD112	6.11E-01	5.92E-01	5.72E-01	5.53E-01	5.36E-01	5.01E-01	4.55E-01	4.12E-01	3.73E-01	3.37E-01	3.06E-01
AG112	1.84E-05	1.17E-01	2.07E-01	2.78E-01	3.30E-01	3.95E-01	4.34E-01	4.32E-01	4.12E-01	3.84E-01	3.54E-01
AG113	7.36E-03	1.57E+00	1.38E+00	1.21E+00	1.06E+00	8.17E-01	5.53E-01	3.74E-01	2.52E-01	1.70E-01	1.15E-01
AG115	2.73E+00	2.93E+00	3.65E-01	4.56E-02	5.71E-03	8.92E-05	1.74E-07	3.41E-10	6.60E-13	6.55-162	6.08E-16
CD115M	2.24E-08	5.95E-04	6.68E-04	6.77E-04	6.77E-04	6.77E-04	6.75E-04	6.75E-04	6.73E-04	6.71E-04	6.71E-04
CD115	8.64E-06	1.63E-01	1.75E-01	1.75E-01	1.73E-01	1.68E-01	1.62E-01	1.56E-01	1.50E-01	1.44E-01	1.38E-01
IN115M	1.08E-10	1.80E-02	3.99E-02	5.92E-02	7.55E-02	1.01E-01	1.24E-01	1.37E-01	1.43E-01	1.44E-01	1.43E-01
CD117	1.95E-01	3.25E+00	2.45E+00	1.83E+00	1.37E+00	7.69E-01	3.23E-01	1.36E-01	5.72E-02	2.40E-02	1.01E-02
IN117M	9.39E-06	1.13E+00	1.64E+00	1.78E+00	1.72E+00	1.35E+00	7.74E-01	3.96E-01	1.90E-01	8.81E-02	3.98E-02
IN117	3.78E-10	2.06E-01	4.99E-01	6.94E-01	7.74E-01	7.12E-01	4.53E-01	2.43E-01	1.21E-01	5.68E-02	2.61E-02
CD118	1.29E+01	5.54E+00	2.38E+00	1.01E+00	4.34E-01	7.95E-02	6.24E-03	4.87E-04	3.84E-05	3.00E-06	2.36E-07
IN118	8.57E-01	5.54E+00	2.38E+00	1.02E+00	4.34E-01	7.97E-02	6.24E-03	4.90E-04	3.84E-05	3.00E-06	2.36E-07
CD119	3.23E+01	5.04E-01	7.86E-03	1.23E-04	1.92E-06	4.70E-10	1.79E-15	6.84E-21	2.60E-26	9.95E-32	3.81E-37
IN119M	4.87E-02	5.45E+00	5.93E-01	5.98E-02	5.95E-03	5.86E-05	5.71E-08	5.59E-11	5.45E-14	5.33E-17	5.21E-20
IN119	2.40E+00	2.87E-01	3.33E-02	3.37E-03	3.37E-04	3.30E-06	3.23E-09	3.16E-12	3.08E-15	3.01E-18	2.94E-21
SN121	3.99E-03	4.11E-01	3.99E-01	3.90E-01	3.80E-01	3.62E-01	3.34E-01	3.10E-01	2.87E-01	2.65E-01	2.47E-01
SN123M	1.95E+00	3.65E+00	1.29E+00	4.58E-01	1.62E-01	2.02E-02	8.94E-04	3.96E-05	1.75E-06	7.73E-08	3.42E-09
SN123	1.83E-05	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03	1.92E-03
SN125	4.15E-02	4.14E-02	4.13E-02	4.12E-02	4.10E-02	4.08E-02	4.05E-02	4.00E-02	3.97E-02	3.93E-02	3.89E-02
SB125	2.49E-04	2.51E-04	2.52E-04	2.53E-04	2.54E-04	2.56E-04	2.60E-04	2.64E-04	2.67E-04	2.70E-04	2.73E-04
SB126	5.09E-03	5.08E-03	5.07E-03	5.06E-03	5.04E-03	5.02E-03	4.99E-03	4.96E-03	4.92E-03	4.88E-03	4.85E-03
SN127	4.41E+00	3.17E+00	2.28E+00	1.64E+00	1.18E+00	6.08E-01	2.26E-01	8.41E-02	3.12E-02	1.16E-02	4.30E-03
SB127	5.14E-02	1.77E-01	1.96E-01	2.09E-01	2.18E-01	2.28E-01	2.31E-01	2.29E-01	2.25E-01	2.20E-01	2.16E-01
TE127	2.90E-02	3.62E-02	4.40E-02	5.22E-02	6.03E-02	7.56E-02	9.68E-02	1.13E-01	1.26E-01	1.36E-01	1.42E-01
SN128	2.41E+01	1.19E+01	5.88E+00	2.90E+00	1.44E+00	3.50E-01	4.23E-02	5.10E-03	6.16E-04	7.46E-05	9.00E-06
SB128M	1.22E-02	1.35E+01	7.02E+00	3.46E+00	1.71E+00	4.18E-01	5.04E-02	6.09E-03	7.34E-04	8.87E-05	1.07E-05
SB128	1.01E+00	9.76E-01	9.19E-01	8.61E-01	8.04E-01	6.89E-01	5.50E-01	4.36E-01	3.46E-01	2.75E-01	2.18E-01
SN129M	1.31E+01	6.50E+00	3.26E+00	1.63E+00	8.16E-01	2.04E-01	2.55E-02	3.19E-03	3.98E-04	4.98E-05	6.23E-06
SN129	8.71E+01	8.54E-01	8.43E-03	8.32E-05	8.16E-07	7.93E-11	7.55E-17	7.22E-23	6.89E-29	6.56E-35	6.28E-41
SB129	4.90E+00	8.21E+00	7.71E+00	6.89E+00	6.06E+00	4.50E+00	2.80E+00	1.74E+00	1.07E+00	6.61E-01	4.07E-01
TE129M	9.26E-08	1.02E-03	2.11E-03	3.10E-03	3.98E-03	5.40E-03	6.83E-03	7.71E-03	8.27E-03	8.60E-03	8.82E-03
TE129	3.53E+00	4.85E+00	5.68E+00	5.90E+00	5.68E+00	4.70E+00	3.13E+00	1.97E+00	1.23E+00	7.60E-01	4.72E-01
SB130M	4.82E-01	9.09E-01	2.39E-03	6.27E-06	1.65E-08	1.14E-13	2.07E-21	3.77E-29	6.85E-37	1.24E-44	2.26E-52
SB130	8.26E+01	2.50E+01	7.11E+00	2.01E+00	5.70E-01	4.58E-02	1.05E-03	2.38E-05	5.44E-07	1.24E-08	2.83E-10

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ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	2.30E-02	2.17E-02	2.06E-02	1.94E-02	1.84E-02	1.65E-02	1.39E-02	1.18E-02	9.93E-03	8.41E-03	7.11E-03
SB131	1.90E+02	4.97E+01	8.12E+00	1.33E+00	2.19E-01	5.89E-03	2.59E-05	1.15E-07	5.04E-10	2.22E-12	1.11E-14
TE131M	9.15E-05	4.79E-01	5.46E-01	5.47E-01	5.37E-01	5.13E-01	4.78E-01	4.46E-01	4.16E-01	3.89E-01	3.63E-01
TE131	8.43E+01	9.15E+01	2.98E+01	7.76E+00	1.89E+00	1.77E-01	8.79E-02	8.12E-02	7.58E-02	7.09E-02	6.61E-02
I131	1.22E-02	4.24E-01	6.24E-01	6.85E-01	6.97E-01	7.03E-01	7.03E-01	6.97E-01	6.97E-01	6.91E-01	6.91E-01
TE132	9.99E-01	2.43E+00	2.40E+00	2.38E+00	2.36E+00	2.32E+00	2.26E+00	2.20E+00	2.14E+00	2.08E+00	2.03E+00
I132	2.45E+00	2.44E+00	2.44E+00	2.43E+00	2.41E+00	2.38E+00	2.32E+00	2.26E+00	2.20E+00	2.15E+00	2.09E+00
TE133M	1.16E-01	4.02E+01	1.75E+01	7.62E+00	3.31E+00	6.29E-01	5.18E-02	4.27E-03	3.52E-04	2.90E-05	2.40E-06
TE133	6.52E+02	3.69E+01	4.11E+00	1.36E+00	5.74E-01	1.09E-01	9.00E-03	7.40E-04	6.13E-05	5.04E-06	4.16E-07
I133	1.01E+00	1.09E+01	1.18E+01	1.18E+01	1.15E+01	1.09E+01	9.94E+00	9.00E+00	8.12E+00	7.40E+00	6.68E+00
XE133M	4.30E-08	2.45E-03	5.91E-03	9.44E-03	1.29E-02	1.93E-02	2.80E-02	3.55E-02	4.19E-02	4.73E-02	5.18E-02
XE133	7.51E-07	4.27E-02	1.04E-01	1.66E-01	2.27E-01	3.45E-01	5.05E-01	6.46E-01	7.73E-01	8.83E-01	9.83E-01
TE134	2.06E+02	9.54E+01	3.55E+01	1.32E+01	4.90E+00	6.79E-01	3.47E-02	1.78E-03	9.11E-05	4.68E-06	2.40E-07
I134	9.44E+01	1.26E+02	8.84E+01	5.18E+01	2.78E+01	7.06E+00	7.76E-01	7.93E-02	7.76E-03	7.44E-04	7.06E-05
I135	1.71E+01	3.01E+01	2.71E+01	2.44E+01	2.21E+01	1.79E+01	1.32E+01	9.62E+00	7.07E+00	5.20E+00	3.80E+00
XE135M	1.89E-03	8.69E+00	8.44E+00	7.66E+00	6.87E+00	5.60E+00	4.11E+00	3.01E+00	2.21E+00	1.62E+00	1.19E+00
XE135	1.97E+00	3.89E+00	5.70E+00	7.17E+00	8.35E+00	1.00E+01	1.11E+01	1.11E+01	1.06E+01	9.67E+00	8.64E+00
CS136	2.37E-03	2.36E-03	2.36E-03	2.35E-03	2.35E-03	2.33E-03	2.32E-03	2.30E-03	2.29E-03	2.27E-03	2.26E-03
CS137	7.93E-05	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04
BA137M	1.67E-07	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04
XE138	6.68E+02	5.75E+01	5.00E+00	4.33E-01	3.75E-02	2.81E-04	1.83E-07	1.19E-10	7.72E-14	5.01E-17	3.26E-20
CS138	9.94E+01	1.67E+02	5.80E+01	1.70E+01	4.78E+00	3.64E-01	7.56E-03	1.57E-04	3.26E-06	6.78E-08	1.40E-09
CS139	5.36E+02	1.71E+01	2.14E-01	2.70E-03	3.38E-05	5.31E-09	1.06E-14	2.09E-20	4.13E-26	8.20E-32	1.62E-37
BA139	9.90E+00	1.10E+02	6.80E+01	4.13E+01	2.50E+01	9.18E+00	2.04E+00	4.52E-01	1.01E-01	2.23E-02	4.95E-03
BA140	1.05E-01	6.54E-01	6.54E-01	6.49E-01	6.49E-01	6.44E-01	6.44E-01	6.39E-01	6.34E-01	6.29E-01	6.24E-01
LA140	2.49E-07	1.12E-02	2.22E-02	3.29E-02	4.34E-02	6.39E-02	9.33E-02	1.21E-01	1.47E-01	1.71E-01	1.94E-01
BA141	1.43E+02	4.34E+01	4.30E+00	4.27E-01	4.23E-02	4.20E-04	4.10E-07	3.99E-10	3.89E-13	3.82E-16	3.72E-19
LA141	1.32E+00	2.81E+01	2.62E+01	2.22E+01	1.86E+01	1.30E+01	7.65E+00	4.47E+00	2.63E+00	1.54E+00	9.05E-01
CE141	1.64E-07	1.82E-02	4.27E-02	6.42E-02	8.23E-02	1.10E-01	1.37E-01	1.52E-01	1.61E-01	1.66E-01	1.69E-01
BA142	2.83E+02	1.12E+01	2.56E-01	5.84E-03	1.33E-04	6.92E-08	8.22E-13	9.75E-18	1.16E-22	1.37E-27	1.63E-32
LA142	6.49E+00	4.50E+01	2.97E+01	1.89E+01	1.20E+01	4.86E+00	1.26E+00	3.23E-01	8.33E-02	2.15E-02	5.53E-03
LA143	1.07E+02	2.08E+01	1.07E+00	5.49E-02	2.82E-03	7.38E-06	9.95E-10	1.34E-13	1.81E-17	2.44E-21	3.29E-25
CE143	4.27E-02	2.72E+00	2.82E+00	2.74E+00	2.69E+00	2.59E+00	2.43E+00	2.28E+00	2.14E+00	2.01E+00	1.89E+00
PR143	1.25E-08	4.17E-03	1.01E-02	1.59E-02	2.16E-02	3.27E-02	4.81E-02	6.29E-02	7.63E-02	8.91E-02	1.01E-01
CE144	1.89E-03	1.36E-02	1.36E-02	1.36E-02	1.36E-02	1.36E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02
PR144	5.20E-07	1.24E-02	1.35E-02	1.35E-02	1.36E-02	1.36E-02	1.36E-02	1.36E-02	1.35E-02	1.35E-02	1.35E-02
PR145	7.67E-02	1.13E+01	1.00E+01	8.92E+00	7.96E+00	6.31E+00	4.45E+00	3.14E+00	2.22E+00	1.57E+00	1.11E+00
CE146	2.45E+02	1.25E+01	6.43E-01	3.29E-02	1.69E-03	4.46E-06	6.00E-10	8.09E-14	1.09E-17	1.47E-21	1.98E-25
PR146	5.06E+00	4.40E+01	9.98E+00	1.88E+00	3.37E-01	1.06E-02	5.86E-05	3.23E-07	1.79E-09	9.89E-12	5.40E-14
PR147	2.88E+01	8.33E+00	2.60E-01	8.11E-03	2.54E-04	2.48E-07	7.57E-12	2.31E-16	7.05E-21	2.15E-25	6.56E-30

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.03E-05	1.93E-01	1.99E-01	1.98E-01	1.98E-01	1.97E-01	1.95E-01	1.94E-01	1.92E-01	1.91E-01	1.89E-01
ND149	1.74E+01	1.18E+01	8.05E+00	5.49E+00	3.71E+00	1.73E+00	5.42E-01	1.71E-01	5.39E-02	1.70E-02	5.36E-03
PM149	2.42E-03	1.89E-01	3.14E-01	3.98E-01	4.50E-01	5.06E-01	5.26E-01	5.16E-01	5.03E-01	4.83E-01	4.67E-01
PM150	1.95E-01	1.51E-01	1.17E-01	9.03E-02	6.98E-02	4.19E-02	1.94E-02	8.97E-03	4.16E-03	1.92E-03	8.90E-04
ND151	7.38E+01	2.31E+00	7.21E-02	2.25E-03	7.05E-05	6.88E-08	2.10E-12	6.42E-17	1.96E-21	5.96E-26	1.82E-30
PM151	4.68E-02	5.47E-01	5.50E-01	5.37E-01	5.24E-01	4.97E-01	4.61E-01	4.28E-01	3.98E-01	3.69E-01	3.42E-01
PM152	1.16E+02	1.13E-01	1.11E-04	1.08E-07	1.05E-10	1.01E-16	9.38E-26	8.75E-35	8.15E-44	7.61E-53	7.07E-62
SM153	1.66E-01	1.64E-01	1.61E-01	1.59E-01	1.57E-01	1.52E-01	1.46E-01	1.39E-01	1.33E-01	1.28E-01	1.22E-01
SM155	8.26E+00	1.36E+00	2.22E-01	3.64E-02	5.96E-03	1.61E-04	7.08E-07	3.12E-09	1.38E-11	6.13E-14	1.50E-16
EU155	6.07E-06	1.73E-04	2.00E-04	2.05E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04
SM156	1.38E-01	1.28E-01	1.19E-01	1.11E-01	1.03E-01	8.87E-02	7.11E-02	5.70E-02	4.57E-02	3.66E-02	2.93E-02
EU156	4.04E-04	6.59E-04	8.95E-04	1.11E-03	1.32E-03	1.68E-03	2.14E-03	2.48E-03	2.77E-03	2.99E-03	3.15E-03
EU157	1.61E-02	5.33E-02	5.08E-02	4.86E-02	4.63E-02	4.23E-02	3.70E-02	3.23E-02	2.81E-02	2.45E-02	2.13E-02
EU158	4.79E-01	1.94E-01	7.84E-02	3.18E-02	1.29E-02	2.10E-03	1.40E-04	9.30E-06	6.18E-07	4.10E-08	2.72E-09
EU159	6.62E-01	6.57E-02	6.51E-03	6.47E-04	6.41E-05	6.32E-07	6.18E-10	6.03E-13	5.89E-16	5.75E-19	5.62E-22
GD159	2.83E-03	1.24E-02	1.29E-02	1.25E-02	1.21E-02	1.12E-02	9.95E-03	8.87E-03	7.89E-03	7.03E-03	6.27E-03
TB161	4.82E-05	3.47E-04	3.45E-04	3.43E-04	3.42E-04	3.39E-04	3.35E-04	3.31E-04	3.26E-04	3.23E-04	3.18E-04
TOTAL	1.18E+04	2.34E+03	8.72E+02	5.20E+02	3.81E+02	2.60E+02	1.83E+02	1.43E+02	1.17E+02	9.85E+01	8.50E+01

1

ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	6.35E-03	6.27E-03	6.18E-03	5.95E-03	5.58E-03	4.90E-03	4.30E-03	3.31E-03	1.73E-03	4.70E-04	1.28E-04
NA 24	1.49E+00	4.91E-01	1.62E-01	5.81E-03	2.27E-05	3.47E-10	5.30E-15	1.23E-24	0.	0.	0.
MN 54	3.42E-03	3.39E-03	3.39E-03	3.33E-03	3.29E-03	3.23E-03	3.17E-03	3.02E-03	2.70E-03	2.15E-03	1.71E-03
FE 55	7.42E-03	7.42E-03	7.42E-03	7.38E-03	7.36E-03	7.33E-03	7.25E-03	7.16E-03	6.88E-03	6.42E-03	5.95E-03
FE 59	7.49E-04	7.38E-04	7.27E-04	6.94E-04	6.42E-04	5.51E-04	4.72E-04	3.47E-04	1.61E-04	3.44E-05	7.38E-06
CO 57	1.15E-03	1.15E-03	1.14E-03	1.14E-03	1.12E-03	1.09E-03	1.06E-03	1.01E-03	8.94E-04	6.91E-04	5.35E-04
CO 58	4.65E-03	4.61E-03	4.56E-03	4.42E-03	4.22E-03	3.83E-03	3.47E-03	2.86E-03	1.76E-03	6.66E-04	2.51E-04
CO 60	1.23E-04	1.23E-04	1.23E-04	1.23E-04	1.22E-04	1.22E-04	1.21E-04	1.20E-04	1.18E-04	1.14E-04	1.10E-04
CU 64	1.84E+00	5.00E-01	1.36E-01	2.77E-03	4.15E-06	9.45E-12	2.14E-17	1.10E-28	0.	0.	0.
CU 67	1.64E-01	1.25E-01	9.54E-02	4.25E-02	1.11E-02	7.46E-04	5.03E-05	2.28E-07	3.20E-13	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.49E-04	6.43E-04	6.32E-04	6.19E-04	5.93E-04	5.39E-04	4.92E-04	4.09E-04	2.58E-04	1.02E-04	4.07E-05
W187	2.03E-02	1.02E-02	5.03E-03	6.28E-04	1.93E-05	1.84E-08	1.74E-11	1.57E-19	0.	0.	0.
W188	4.32E-05	4.27E-05	4.23E-05	4.11E-05	3.91E-05	3.53E-05	3.20E-05	2.62E-05	1.59E-05	5.86E-06	2.15E-06
AU198	1.00E-01	7.74E-02	5.99E-02	2.77E-02	7.66E-03	5.85E-04	4.47E-05	2.62E-07	6.83E-13	0.	0.
AU199	1.55E-01	1.25E-01	1.00E-01	5.16E-02	1.71E-02	1.88E-03	2.06E-04	2.49E-06	4.02E-11	1.04E-20	0.
PB203	2.86E+00	2.07E+00	7.94E-01	1.61E-01	6.62E-03	2.72E-04	4.56E-07	5.33E-14	0.	0.	0.
U237	2.74E+00	2.47E+00	2.23E+00	1.64E+00	9.79E-01	3.51E-01	1.26E-01	1.61E-02	9.50E-05	1.02E-08	6.89E-09
U240	4.86E+00	1.50E+00	4.59E-01	1.33E-02	3.65E-05	2.74E-10	2.07E-15	1.17E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	6.81E-03	1.04E+01	7.74E+00	3.19E+00	7.31E-01	3.82E-02	2.00E-03	5.49E-06	2.16E-12	5.15E-22	5.15E-22
NP240M	7.68E-03	1.51E+00	4.63E-01	1.34E-02	3.68E-05	2.77E-10	2.08E-15	1.17E-25	0.	0.	0.
AM241	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.90E-09
CM242	1.86E-06	1.85E-06	1.84E-06	1.82E-06	1.78E-06	1.70E-06	1.64E-06	1.50E-06	1.22E-06	7.94E-07	5.19E-07
GE 77	1.17E-02	7.38E-03	1.69E-03	2.04E-05	1.30E-08	5.25E-15	2.12E-21	3.46E-34	0.	0.	0.
AS 77	1.21E-04	1.79E-02	1.29E-02	3.74E-03	4.38E-04	5.94E-06	8.07E-08	1.49E-11	6.90E-21	1.48E-39	3.18E-58
SE 77M	4.77E-09	5.38E-05	3.87E-05	1.12E-05	1.31E-06	1.78E-08	2.42E-10	4.47E-14	2.07E-23	4.43E-42	9.54E-61
AS 78	2.31E-02	2.06E-04	6.02E-09	5.09E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	5.22E-04	3.26E-04	2.03E-04	4.94E-05	4.68E-06	4.21E-08	3.78E-10	3.05E-14	1.78E-24	6.11E-45	2.08E-65
BR 83	4.08E-01	1.07E-02	1.08E-05	1.10E-14	1.12E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.11E-05	4.70E-02	5.34E-05	4.80E-14	4.92E-29	0.	0.	0.	0.	0.	0.
KR 85M	4.29E-03	2.45E-01	5.58E-03	6.63E-08	4.08E-16	1.55E-32	5.88E-49	0.	0.	0.	0.
KR 85	4.44E-06	1.17E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.18E-04	1.17E-04	1.15E-04	1.13E-04
KR 87	5.73E+01	1.13E-04	2.24E-10	1.73E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	3.43E+01	9.03E-02	2.37E-04	4.30E-12	5.42E-25	0.	0.	0.	0.	0.	0.
RB 88	8.72E+00	1.01E-01	2.65E-04	4.82E-12	6.04E-25	0.	0.	0.	0.	0.	0.
SR 89	3.23E-06	9.69E-02	9.55E-02	9.17E-02	8.60E-02	7.51E-02	6.57E-02	5.06E-02	2.58E-02	6.80E-03	1.80E-03
SR 90	6.18E-06	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.35E-04	6.29E-04	6.29E-04	6.24E-04
Y 90	9.16E-12	1.46E-04	2.57E-04	4.62E-04	5.90E-04	6.29E-04	6.35E-04	6.35E-04	6.29E-04	6.29E-04	6.24E-04
SR 91	7.37E-01	2.64E+00	4.73E-01	2.71E-03	4.96E-07	1.68E-14	5.70E-22	6.49E-37	0.	0.	0.

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.96E-05	1.71E+00	3.05E-01	1.75E-03	3.22E-07	1.09E-14	3.67E-22	4.19E-37	0.	0.	0.
Y 91	2.03E-08	8.11E-02	9.60E-02	9.60E-02	9.04E-02	8.02E-02	7.14E-02	5.66E-02	3.13E-02	9.64E-03	2.96E-03
SR 92	5.53E+00	6.89E-02	1.49E-04	1.49E-12	7.00E-26	0.	0.	0.	0.	0.	0.
Y 92	2.55E-01	7.23E-01	8.03E-03	6.17E-09	3.60E-19	1.23E-39	4.22E-60	0.	0.	0.	0.
Y 93	2.88E-01	1.95E+00	3.80E-01	2.85E-03	8.21E-07	6.79E-14	5.60E-21	3.82E-35	0.	0.	0.
ZR 95	5.76E-04	7.20E-02	7.12E-02	6.90E-02	6.54E-02	5.86E-02	5.28E-02	4.27E-02	2.50E-02	8.62E-03	2.96E-03
NB 95M	1.23E-11	2.44E-04	4.45E-04	8.49E-04	1.14E-03	1.21E-03	1.11E-03	9.04E-04	5.31E-04	1.83E-04	6.29E-05
NB 95	6.42E-11	1.39E-03	2.75E-03	6.59E-03	1.23E-02	2.11E-02	2.73E-02	3.39E-02	3.26E-02	1.57E-02	6.01E-03
ZR 97	1.50E+00	2.55E+00	9.58E-01	5.07E-02	3.81E-04	2.14E-08	1.20E-12	3.81E-21	2.15E-42	0.	0.
NB 97M	7.70E-03	2.45E+00	9.19E-01	4.89E-02	3.66E-04	2.06E-08	1.16E-12	3.66E-21	2.07E-42	0.	0.
NB 97	7.49E-01	2.56E+00	9.60E-01	5.10E-02	3.84E-04	2.31E-08	1.30E-12	4.12E-21	2.32E-42	0.	0.
MO 99	4.50E-03	1.46E+00	1.14E+00	5.41E-01	1.57E-01	1.31E-02	1.09E-03	7.62E-06	3.09E-11	5.10E-22	8.39E-33
TC 99M	4.18E-08	1.29E+00	1.08E+00	5.18E-01	1.49E-01	1.25E-02	1.04E-03	7.27E-06	2.95E-11	4.87E-22	8.02E-33
RU103	9.95E-05	2.27E-01	2.23E-01	2.11E-01	1.94E-01	1.63E-01	1.37E-01	9.64E-02	4.01E-02	6.96E-03	1.21E-03
RH103M	6.64E-09	2.27E-01	2.23E-01	2.12E-01	1.94E-01	1.63E-01	1.37E-01	9.64E-02	4.01E-02	6.96E-03	1.21E-03
RU105	6.34E-01	6.07E-01	1.43E-02	1.88E-07	1.37E-15	7.32E-32	3.92E-48	0.	0.	0.	0.
RH105M	4.17E-03	6.07E-01	1.43E-02	1.88E-07	1.38E-15	7.36E-32	3.93E-48	0.	0.	0.	0.
RH105	6.85E-09	2.19E+00	1.43E+00	3.57E-01	3.51E-02	3.42E-04	3.32E-06	3.13E-10	2.72E-20	2.04E-40	1.53E-60
RU106	5.89E-04	1.12E-02	1.11E-02	1.11E-02	1.10E-02	1.08E-02	1.05E-02	1.01E-02	9.23E-03	7.63E-03	6.33E-03
RH106	6.38E-06	1.12E-02	1.11E-02	1.11E-02	1.10E-02	1.08E-02	1.05E-02	1.01E-02	9.23E-03	7.63E-03	6.33E-03
PD109	1.73E-02	4.42E-01	1.29E-01	3.19E-03	6.72E-06	3.00E-11	1.33E-16	2.64E-27	0.	0.	0.
AG109M	1.00E-04	4.42E-01	1.29E-01	3.19E-03	6.75E-06	3.00E-11	1.33E-16	2.64E-27	0.	0.	0.
PD111M	2.05E+00	9.95E-02	4.83E-03	5.55E-07	1.50E-13	1.09E-26	8.03E-40	0.	0.	0.	0.
PD111	7.30E-01	8.03E-02	3.89E-03	4.46E-07	1.21E-13	8.80E-27	6.45E-40	0.	0.	0.	0.
AG111M	5.80E-03	1.05E-01	5.10E-03	5.87E-07	1.58E-13	1.16E-26	8.49E-40	0.	0.	0.	0.
AG111	2.07E-09	5.70E-02	5.48E-02	4.17E-02	2.62E-02	1.04E-02	4.13E-03	6.51E-04	6.40E-06	6.20E-10	6.01E-14
PD112	6.11E-01	2.78E-01	1.26E-01	1.17E-02	2.22E-04	8.05E-08	2.92E-11	3.84E-18	2.42E-35	0.	0.
AG112	1.84E-05	3.22E-01	1.48E-01	1.37E-02	2.63E-04	9.50E-08	3.45E-11	4.55E-18	2.85E-35	0.	0.
AG113	7.36E-03	7.78E-02	3.36E-03	2.73E-07	4.18E-14	9.78E-28	2.29E-41	0.	0.	0.	0.
CD115M	2.24E-08	6.47E-04	6.36E-04	6.06E-04	5.60E-04	4.75E-04	4.06E-04	2.93E-04	1.31E-04	2.60E-05	5.21E-06
CD115	8.64E-06	1.30E-01	9.53E-02	3.75E-02	7.92E-03	3.54E-04	1.58E-05	3.15E-08	5.56E-15	1.74E-28	5.45E-42
IN115M	1.08E-10	1.37E-01	1.04E-01	4.10E-02	8.64E-03	3.86E-04	1.72E-05	3.43E-08	6.08E-15	1.90E-28	5.95E-42
CD117	1.95E-01	4.26E-03	4.14E-06	3.87E-15	3.43E-30	0.	0.	0.	0.	0.	0.
IN117M	9.39E-06	1.77E-02	2.05E-05	1.97E-14	1.75E-29	0.	0.	0.	0.	0.	0.
IN117	3.78E-10	1.17E-02	1.38E-05	1.34E-14	1.19E-29	0.	0.	0.	0.	0.	0.
SN121	3.99E-03	2.28E-01	1.23E-01	1.94E-02	8.88E-04	1.87E-06	3.95E-09	1.76E-14	7.35E-28	0.	0.
SN123	1.83E-05	1.92E-03	1.90E-03	1.87E-03	1.82E-03	1.72E-03	1.63E-03	1.46E-03	1.10E-03	6.35E-04	3.65E-04
SN125	4.15E-02	3.86E-02	3.59E-02	2.87E-02	1.98E-02	9.51E-03	4.54E-03	1.04E-03	2.60E-05	1.64E-08	1.03E-11
SB125	2.49E-04	2.77E-04	3.03E-04	3.70E-04	4.53E-04	5.49E-04	5.91E-04	6.16E-04	6.04E-04	5.64E-04	5.26E-04
SB126	5.09E-03	4.82E-03	4.56E-03	3.86E-03	2.93E-03	1.68E-03	9.67E-04	3.18E-04	1.99E-05	9.67E-08	1.94E-08

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.41E+00	1.60E-03	5.80E-07	2.77E-17	1.74E-34	0.	0.	0.	0.	0.	0.
SB127	5.14E-02	2.11E-01	1.77E-01	1.03E-01	4.23E-02	7.06E-03	1.18E-03	3.30E-05	4.30E-09	7.35E-17	1.25E-24
TE127M	4.16E-10	3.22E-04	5.90E-04	1.14E-03	1.58E-03	1.75E-03	1.68E-03	1.49E-03	1.09E-03	5.75E-04	3.04E-04
TE127	2.90E-02	1.51E-01	1.48E-01	9.05E-02	3.82E-02	7.84E-03	2.69E-03	1.51E-03	1.07E-03	5.68E-04	3.00E-04
SB128	1.01E+00	1.73E-01	2.73E-02	1.07E-04	1.03E-08	9.70E-17	9.12E-25	8.04E-41	0.	0.	0.
SB129	4.90E+00	2.51E-01	5.23E-03	4.77E-08	1.90E-16	2.99E-33	4.72E-50	0.	0.	0.	0.
TE129M	9.26E-08	9.75E-03	9.75E-03	9.20E-03	8.32E-03	6.78E-03	5.51E-03	3.67E-03	1.32E-03	1.72E-04	2.24E-05
TE129	3.53E+00	2.94E-01	1.22E-02	5.90E-03	5.32E-03	4.34E-03	3.54E-03	2.35E-03	8.49E-04	1.11E-04	1.44E-05
I130	2.30E-02	6.01E-03	1.57E-03	2.81E-05	3.43E-08	5.12E-14	7.63E-20	1.70E-31	0.	0.	0.
TE131M	9.15E-05	3.20E-01	1.84E-01	3.48E-02	2.18E-03	8.49E-06	3.32E-08	5.07E-13	4.61E-25	0.	0.
TE131	8.43E+01	5.84E-02	3.35E-02	6.37E-03	3.97E-04	1.55E-06	6.06E-09	9.28E-14	8.43E-26	0.	0.
I131	1.22E-02	6.61E-01	6.24E-01	5.02E-01	3.30E-01	1.39E-01	5.90E-02	1.05E-02	1.42E-04	2.59E-08	4.73E-12
XE131M	3.32E-11	3.06E-04	5.81E-04	1.21E-03	1.73E-03	1.72E-03	1.27E-03	5.26E-04	3.50E-05	1.05E-07	2.96E-10
TE132	9.99E-01	1.98E+00	1.60E+00	8.41E-01	2.90E-01	3.44E-02	4.07E-03	5.72E-05	1.34E-09	7.32E-19	3.99E-28
I132	2.45E+00	2.04E+00	1.65E+00	8.65E-01	2.99E-01	3.54E-02	4.19E-03	5.89E-05	1.38E-09	7.50E-19	4.12E-28
I133	1.01E+00	5.63E+00	2.54E+00	2.36E-01	4.49E-03	1.63E-06	5.91E-10	7.79E-17	4.89E-34	0.	0.
XE133M	4.30E-08	5.32E-02	6.29E-02	3.69E-02	8.67E-03	4.07E-04	1.89E-05	4.11E-08	9.00E-15	4.30E-28	2.06E-41
XE133	7.51E-07	1.02E+00	1.37E+00	1.23E+00	6.68E-01	1.81E-01	4.85E-02	3.50E-03	4.87E-06	9.44E-12	1.83E-17
I135	1.71E+01	2.79E+00	2.33E-01	1.36E-04	5.50E-10	9.08E-21	1.49E-31	4.06E-53	0.	0.	0.
XE135M	1.89E-03	8.69E-01	7.27E-02	4.23E-05	1.72E-10	2.83E-21	4.66E-32	1.27E-53	0.	0.	0.
XE135	1.97E+00	7.51E+00	1.84E+00	1.05E-02	1.29E-06	1.81E-14	2.53E-22	5.01E-38	0.	0.	0.
CS136	2.37E-03	2.24E-03	2.13E-03	1.81E-03	1.39E-03	8.16E-04	4.80E-04	1.65E-04	1.14E-05	5.52E-08	2.67E-10
CS137	7.93E-05	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	8.50E-04	8.45E-04	8.40E-04
BA137M	1.67E-07	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.98E-04	7.93E-04	7.88E-04	7.84E-04
BA139	9.90E+00	1.06E-03	6.24E-09	1.28E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.05E-01	6.19E-01	5.89E-01	4.99E-01	3.81E-01	2.22E-01	1.29E-01	4.37E-02	2.91E-03	1.30E-05	5.74E-08
LA140	2.49E-07	2.16E-01	3.47E-01	4.80E-01	4.26E-01	2.55E-01	1.48E-01	5.04E-02	3.35E-03	1.49E-05	6.64E-08
LA141	1.32E+00	5.26E-01	7.37E-03	2.04E-08	1.12E-17	3.33E-36	9.93E-55	0.	0.	0.	0.
CE141	1.64E-07	1.82E-01	1.80E-01	1.69E-01	1.52E-01	1.23E-01	9.90E-02	6.45E-02	2.22E-02	2.61E-03	3.07E-04
LA142	6.49E+00	1.42E-03	2.75E-08	2.03E-22	0.	0.	0.	0.	0.	0.	0.
CE143	4.27E-02	1.75E+00	1.06E+00	2.33E-01	1.88E-02	1.21E-04	7.86E-07	3.29E-11	3.72E-22	0.	0.
PR143	1.25E-08	1.12E-01	1.75E-01	2.26E-01	1.93E-01	1.18E-01	7.11E-02	2.57E-02	2.06E-03	1.30E-05	8.28E-08
CE144	1.89E-03	1.35E-02	1.35E-02	1.34E-02	1.32E-02	1.29E-02	1.26E-02	1.20E-02	1.06E-02	8.32E-03	6.53E-03
PR144	5.20E-07	1.35E-02	1.35E-02	1.34E-02	1.32E-02	1.29E-02	1.26E-02	1.20E-02	1.06E-02	8.32E-03	6.53E-03
PR145	7.67E-02	7.85E-01	4.85E-02	1.15E-05	1.05E-11	8.69E-24	7.21E-36	0.	0.	0.	0.
ND147	1.03E-05	1.73E-01	1.62E-01	1.35E-01	9.85E-02	5.29E-02	2.82E-02	8.11E-03	3.56E-04	6.93E-07	1.34E-09
PM147	2.85E-14	1.29E-04	2.50E-04	5.71E-04	9.88E-04	1.51E-03	1.78E-03	1.98E-03	2.00E-03	1.87E-03	1.74E-03
ND149	1.74E+01	1.68E-03	1.63E-07	1.49E-19	1.27E-39	0.	0.	0.	0.	0.	0.
PM149	2.42E-03	4.47E-01	3.27E-01	1.28E-01	2.67E-02	1.16E-03	5.06E-05	9.63E-08	1.52E-14	3.75E-28	9.33E-42
PM150	1.95E-01	4.13E-04	8.69E-07	8.16E-15	3.41E-28	0.	0.	0.	0.	0.	0.

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ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.68E-02	3.19E-01	1.76E-01	2.96E-02	1.52E-03	3.98E-06	1.05E-08	7.25E-14	9.09E-27	0.	0.
SM153	1.66E-01	1.17E-01	8.20E-02	2.83E-02	4.81E-03	1.40E-04	4.07E-06	3.42E-09	7.05E-17	3.00E-32	1.28E-47
SM156	1.38E-01	2.36E-02	4.02E-03	1.98E-05	2.85E-09	5.86E-17	1.21E-24	5.15E-40	0.	0.	0.
EU155	6.07E-06	2.06E-04	2.05E-04	2.05E-04	2.05E-04	2.04E-04	2.03E-04	2.02E-04	1.98E-04	1.90E-04	1.82E-04
EU156	4.04E-04	3.29E-03	3.64E-03	3.27E-03	2.59E-03	1.63E-03	1.03E-03	4.08E-04	4.04E-05	3.98E-07	3.92E-09
EU157	1.61E-02	1.86E-02	6.25E-03	2.34E-04	9.84E-07	1.74E-11	3.07E-16	9.56E-26	0.	0.	0.
GD159	2.83E-03	5.58E-03	2.22E-03	1.38E-04	1.36E-06	1.32E-10	1.28E-14	1.20E-22	1.03E-42	0.	0.
TB161	4.82E-05	3.15E-04	2.84E-04	2.10E-04	1.27E-04	4.66E-05	1.71E-05	2.29E-06	1.51E-08	6.54E-13	2.84E-17
TOTAL	2.86E+02	7.32E+01	3.55E+01	1.36E+01	5.89E+00	2.27E+00	1.31E+00	6.82E-01	2.92E-01	1.08E-01	5.74E-02

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	6.35E-03	5.48E-05	5.10E-06	4.73E-07	3.81E-10	3.05E-13	2.28E-17	1.46E-23	0.	0.	0.
MN 54	3.42E-03	1.47E-03	9.70E-04	6.38E-04	1.82E-04	5.20E-05	9.79E-06	8.01E-07	1.88E-10	6.80E-16	2.46E-21
FE 59	7.49E-04	2.70E-06	1.62E-07	9.76E-09	2.12E-12	4.57E-16	5.96E-21	2.79E-28	0.	0.	0.
CO 57	1.15E-03	4.53E-04	2.84E-04	1.78E-04	4.39E-05	1.08E-05	1.67E-07	1.01E-07	8.86E-12	7.28E-18	0.
CO 58	4.65E-03	1.34E-04	2.27E-05	3.84E-06	1.87E-08	9.10E-11	7.51E-14	1.78E-18	6.81E-34	0.	0.
CO 60	1.23E-04	1.07E-04	1.00E-04	9.36E-05	7.69E-05	6.32E-05	4.85E-05	3.27E-05	8.78E-06	1.22E-06	1.68E-07
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.49E-04	2.23E-05	4.13E-06	7.65E-07	4.87E-09	3.11E-11	3.66E-14	1.49E-18	0.	0.	0.
W188	4.32E-05	1.12E-06	1.82E-07	2.92E-08	1.23E-10	5.17E-13	3.50E-16	6.19E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.74E+00	6.83E-09	6.65E-09	6.47E-09	6.05E-09	5.62E-09	5.11E-09	4.43E-09	2.76E-09	1.35E-09	6.65E-10
AM241	9.90E-09	9.90E-09	9.90E-09	9.90E-09	9.95E-09	1.00E-08	1.00E-08	1.00E-08	1.01E-08	1.00E-08	9.86E-09
CM242	1.86E-06	3.93E-07	1.81E-07	8.32E-08	8.11E-09	7.90E-10	3.54E-11	3.35E-13	9.62E-18	8.96E-18	8.37E-18
KR 85	4.44E-06	1.10E-04	1.07E-04	1.03E-04	9.42E-05	8.51E-05	7.48E-05	6.17E-05	3.26E-05	1.25E-05	4.76E-06
SR 89	3.23E-06	7.56E-04	6.62E-05	5.81E-06	3.91E-09	2.64E-12	1.56E-16	7.09E-23	5.15E-44	0.	0.
SR 90	6.18E-06	6.18E-04	6.12E-04	6.07E-04	5.84E-04	5.62E-04	5.35E-04	4.97E-04	3.88E-04	2.68E-04	1.85E-04
Y 90	9.16E-12	6.18E-04	6.12E-04	6.07E-04	5.84E-04	5.62E-04	5.35E-04	4.97E-04	3.88E-04	2.68E-04	1.85E-04
Y 91	2.03E-08	1.37E-03	1.60E-04	1.85E-05	2.91E-08	4.56E-11	8.35E-15	2.05E-20	4.14E-39	0.	0.
ZR 95	5.76E-04	1.48E-03	2.11E-04	3.01E-05	8.77E-08	2.55E-10	1.06E-13	8.92E-19	1.09E-35	0.	0.
NB 95M	1.23E-11	3.13E-05	4.47E-06	6.39E-07	1.86E-09	5.41E-12	2.24E-15	1.89E-20	2.32E-37	0.	0.
NB 95	6.42E-11	3.18E-03	4.57E-04	6.52E-05	1.89E-07	5.48E-10	2.29E-13	1.93E-18	2.37E-35	0.	0.
RU103	9.95E-05	3.87E-04	1.58E-05	6.51E-07	4.44E-11	3.04E-15	8.55E-21	4.02E-29	0.	0.	0.
RH103M	6.64E-09	3.87E-04	1.58E-05	6.51E-07	4.45E-11	3.05E-15	8.55E-21	4.03E-29	0.	0.	0.
RU106	5.89E-04	5.60E-03	3.97E-03	2.81E-03	1.00E-03	3.55E-04	8.94E-05	1.13E-05	1.14E-08	3.67E-13	1.18E-17
RH106	6.38E-06	5.60E-03	3.97E-03	2.81E-03	1.00E-03	3.55E-04	8.94E-05	1.13E-05	1.14E-08	3.67E-13	1.18E-17
SN123	1.83E-05	2.54E-04	9.22E-05	3.35E-05	1.61E-06	7.71E-08	1.34E-09	3.10E-12	4.97E-21	3.20E-34	2.05E-47
SB125	2.49E-04	5.02E-04	4.41E-04	3.88E-04	2.65E-04	1.80E-04	1.08E-04	4.98E-05	3.83E-06	8.15E-08	1.74E-09
TE125M	6.71E-12	2.05E-04	1.82E-04	1.61E-04	1.10E-04	7.45E-05	4.46E-05	2.06E-05	1.58E-06	3.37E-08	7.18E-10
TE127M	4.16E-10	1.99E-04	6.23E-05	1.95E-05	6.00E-07	1.84E-08	1.77E-10	1.67E-13	1.37E-23	1.02E-38	7.63E-54
TE127	2.90E-02	1.97E-04	6.16E-05	1.93E-05	5.93E-07	1.82E-08	1.75E-10	1.65E-13	1.36E-23	1.01E-38	7.56E-54
CS137	7.93E-05	8.36E-04	8.26E-04	8.17E-04	7.88E-04	7.60E-04	7.27E-04	6.79E-04	5.37E-04	3.81E-04	2.69E-04
BA137M	1.67E-07	7.84E-04	7.74E-04	7.65E-04	7.36E-04	7.12E-04	6.79E-04	6.36E-04	5.03E-04	3.56E-04	2.52E-04
CE141	1.64E-07	7.07E-05	1.42E-06	2.85E-08	2.32E-13	1.89E-18	3.10E-25	2.06E-35	0.	0.	0.
CE144	1.89E-03	5.57E-03	3.58E-03	2.28E-03	5.99E-04	1.58E-04	2.65E-05	1.83E-06	2.46E-10	3.86E-16	6.02E-22
PR144	5.20E-07	5.57E-03	3.58E-03	2.28E-03	5.99E-04	1.58E-04	2.65E-05	1.83E-06	2.46E-10	3.86E-16	6.02E-22
PM147	2.85E-14	1.66E-03	1.45E-03	1.27E-03	8.54E-04	5.74E-04	3.37E-04	1.53E-04	1.09E-05	2.06E-07	3.89E-09
EU155	6.07E-06	1.78E-04	1.65E-04	1.54E-04	1.24E-04	9.93E-05	7.41E-05	4.79E-05	1.12E-05	1.26E-06	1.42E-07
TOTAL	2.79E+00	3.84E-02	2.28E-02	1.62E-02	7.64E-03	4.76E-03	3.40E-03	2.70E-03	1.89E-03	1.29E-03	8.97E-04

ZUNI
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

PAGE 2

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	1.20E+02	1.21E+04
1.00E+00		3.75E+01	2.37E+03
2.00E+00		1.45E+01	9.14E+02
3.00E+00		7.47E+00	5.38E+02
4.00E+00		4.49E+00	3.82E+02
6.00E+00		2.27E+00	2.47E+02
9.00E+00		1.35E+00	1.66E+02
1.20E+01		1.00E+00	1.26E+02
1.50E+01		7.89E-01	1.01E+02
1.80E+01		6.44E-01	8.40E+01
2.10E+01		5.38E-01	7.15E+01
1.00E+00	DAYS	4.49E-01	6.01E+01
2.00E+00		2.01E-01	2.67E+01
5.00E+00		8.56E-02	1.03E+01
1.00E+01		4.10E-02	4.93E+00
2.00E+01		1.60E-02	2.09E+00
3.00E+01		8.76E-03	1.25E+00
5.00E+01		3.57E-03	6.64E-01
1.00E+02		8.45E-04	2.67E-01
2.00E+02		2.19E-04	8.34E-02
3.00E+02		9.58E-05	4.10E-02
1.00E+00	YEARS	6.77E-05	2.97E-02
1.50E+00		3.98E-05	1.88E-02
2.00E+00		3.04E-05	1.41E-02
3.50E+00		1.82E-05	7.54E-03
5.00E+00		1.35E-05	5.15E-03
7.00E+00		1.09E-05	3.98E-03
1.00E+01		9.24E-06	3.34E-03
2.00E+01		6.76E-06	2.48E-03
3.50E+01		4.72E-06	1.71E-03
5.00E+01		3.33E-06	1.19E-03

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.68E-03	1.68E-03	1.67E-03	1.67E-03	1.67E-03
NA 24	3.96E-01	3.79E-01	3.62E-01	3.45E-01	3.29E-01	3.01E-01	2.62E-01	2.28E-01	1.99E-01	1.73E-01	1.50E-01
MN 54	9.10E-04	9.10E-04	9.10E-04	9.10E-04	9.10E-04	9.10E-04	9.10E-04	9.01E-04	9.01E-04	9.01E-04	9.01E-04
FE 55	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03
FE 59	2.00E-04	1.99E-04	1.99E-04	1.99E-04	1.99E-04	1.99E-04	1.99E-04	1.98E-04	1.98E-04	1.97E-04	1.97E-04
CO 57	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04	3.06E-04
CO 58	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.23E-03	1.23E-03	1.23E-03	1.23E-03	1.23E-03
CO 60	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.26E-05
CU 64	4.89E-01	4.62E-01	4.38E-01	4.16E-01	3.93E-01	3.53E-01	3.00E-01	2.55E-01	2.17E-01	1.84E-01	1.57E-01
CU 67	4.37E-02	4.33E-02	4.25E-02	4.22E-02	4.18E-02	4.07E-02	3.92E-02	3.81E-02	3.69E-02	3.55E-02	3.44E-02
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	8.64E-04	8.64E-04	8.64E-04	8.64E-04	8.62E-04	8.62E-04	8.62E-04	8.60E-04	8.60E-04	8.58E-04	8.58E-04
W187	2.71E-02	2.63E-02	2.55E-02	2.48E-02	2.41E-02	2.27E-02	2.09E-02	1.91E-02	1.75E-02	1.61E-02	1.47E-02
W188	5.75E-05	5.75E-05	5.75E-05	5.74E-05	5.74E-05	5.74E-05	5.72E-05	5.72E-05	5.71E-05	5.71E-05	5.70E-05
AU198	1.34E-01	1.33E-01	1.31E-01	1.29E-01	1.28E-01	1.26E-01	1.21E-01	1.18E-01	1.13E-01	1.10E-01	1.06E-01
AU199	2.07E-01	2.05E-01	2.03E-01	2.01E-01	2.00E-01	1.96E-01	1.91E-01	1.85E-01	1.80E-01	1.75E-01	1.71E-01
PB203	5.23E+00	5.16E+00	5.09E+00	5.01E+00	4.94E+00	4.83E+00	4.65E+00	4.46E+00	4.28E+00	4.10E+00	3.95E+00
U237	7.29E-01	7.25E-01	7.22E-01	7.19E-01	7.16E-01	7.10E-01	7.00E-01	6.92E-01	6.83E-01	6.73E-01	6.65E-01
U239	5.30E+02	9.03E+01	1.54E+01	2.63E+00	4.46E-01	1.30E-02	6.44E-05	3.18E-07	1.57E-09	7.78E-12	3.85E-14
U240	1.29E+00	1.23E+00	1.17E+00	1.12E+00	1.06E+00	9.63E-01	8.31E-01	7.16E-01	6.18E-01	5.33E-01	4.59E-01
NP239	1.81E-03	3.04E+00	3.51E+00	3.57E+00	3.54E+00	3.46E+00	3.32E+00	3.21E+00	3.09E+00	2.98E+00	2.87E+00
NP240M	2.05E-03	1.24E+00	1.18E+00	1.13E+00	1.07E+00	9.70E-01	8.38E-01	7.23E-01	6.23E-01	5.38E-01	4.64E-01
NP240	5.18E-11	2.66E-11	1.38E-11	7.14E-12	3.69E-12	9.87E-13	1.36E-13	1.88E-14	2.59E-15	3.57E-16	4.94E-17
AM241	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09
CM242	4.94E-07	4.94E-07	4.94E-07	4.94E-07	4.94E-07	4.94E-07	4.92E-07	4.92E-07	4.92E-07	4.92E-07	4.92E-07
GE 75	4.67E-05	2.27E-01	1.37E-01	8.22E-02	4.95E-02	1.79E-02	3.92E-03	8.58E-04	1.87E-04	4.08E-05	8.93E-06
GE 77	1.56E-02	4.01E-02	3.78E-02	3.55E-02	3.34E-02	2.96E-02	2.46E-02	2.04E-02	1.70E-02	1.42E-02	1.18E-02
AS 77	1.61E-04	2.55E-02	2.58E-02	2.59E-02	2.61E-02	2.63E-02	2.63E-02	2.61E-02	2.57E-02	2.52E-02	2.45E-02
SE 77M	6.35E-09	7.62E-05	7.74E-05	7.80E-05	7.80E-05	7.86E-05	7.91E-05	7.86E-05	7.74E-05	7.57E-05	7.34E-05
GE 78	1.71E+00	1.07E+00	6.65E-01	4.16E-01	2.60E-01	1.01E-01	2.45E-02	5.94E-03	1.45E-03	3.52E-04	8.55E-05
AS 78	3.08E-02	5.11E-01	6.30E-01	5.90E-01	4.93E-01	2.91E-01	1.08E-01	3.59E-02	1.11E-02	3.32E-03	9.62E-04
AS 79	2.82E+01	2.78E-01	2.74E-03	2.69E-05	2.65E-07	2.57E-11	2.45E-17	2.34E-23	2.23E-29	2.13E-35	2.03E-41
SE 79M	4.18E-02	4.90E-01	4.84E-03	4.77E-05	4.69E-07	4.53E-11	4.32E-17	4.13E-23	3.94E-29	3.76E-35	3.59E-41
BR 80	1.59E-01	1.50E-02	1.41E-03	1.33E-04	1.25E-05	1.11E-07	9.27E-11	7.72E-14	6.44E-17	5.37E-20	4.49E-23
SE 81M	1.27E-01	5.94E+00	2.87E+00	1.38E+00	6.62E-01	1.55E-01	1.73E-02	1.94E-03	2.18E-04	2.44E-05	2.74E-06
SE 81	1.55E+00	7.02E+00	4.06E+00	2.03E+00	9.84E-01	2.30E-01	2.57E-02	2.88E-03	3.23E-04	3.62E-05	4.05E-06
BR 82	6.94E-04	6.81E-04	6.68E-04	6.55E-04	6.42E-04	6.17E-04	5.82E-04	5.49E-04	5.18E-04	4.88E-04	4.60E-04
SE 83	6.54E+01	1.24E+01	2.35E+00	4.45E-01	8.42E-02	3.03E-03	2.06E-05	1.40E-07	9.56E-10	6.48E-12	4.12E-14
BR 83	5.43E-01	8.11E+00	7.51E+00	5.91E+00	4.48E+00	2.53E+00	1.07E+00	4.51E-01	1.91E-01	8.03E-02	3.39E-02
KR 83M	2.81E-05	1.84E+00	3.75E+00	4.66E+00	4.80E+00	4.01E+00	2.36E+00	1.22E+00	5.86E-01	2.71E-01	1.22E-01

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ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.29E-01	2.22E+01	6.01E+00	1.63E+00	4.40E-01	3.22E-02	6.36E-04	1.25E-05	2.48E-07	4.91E-09	9.70E-11
KR 85M	5.71E-03	1.22E+01	1.04E+01	8.90E+00	7.60E+00	5.55E+00	3.46E+00	2.16E+00	1.35E+00	8.36E-01	5.22E-01
KR 87	7.63E+01	4.40E+01	2.55E+01	1.47E+01	8.50E+00	2.85E+00	5.53E-01	1.07E-01	2.07E-02	4.01E-03	7.76E-04
KR 88	4.57E+01	3.57E+01	2.78E+01	2.17E+01	1.70E+01	1.03E+01	4.92E+00	2.34E+00	1.11E+00	5.30E-01	2.52E-01
RB 88	1.16E+01	3.61E+01	3.08E+01	2.43E+01	1.90E+01	1.15E+01	5.51E+00	2.62E+00	1.25E+00	5.94E-01	2.82E-01
RB 89	5.62E+01	5.28E+01	3.55E+00	2.38E-01	1.60E-02	7.24E-05	2.19E-08	6.61E-12	2.01E-15	6.10E-19	1.85E-22
SR 89	4.30E-06	1.51E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01
SR 90	8.23E-06	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
SR 91	8.69E-01	1.62E+01	1.51E+01	1.41E+01	1.31E+01	1.13E+01	9.13E+00	7.38E+00	5.96E+00	4.78E+00	3.86E+00
Y 91M	5.85E-05	5.58E+00	7.60E+00	8.15E+00	8.04E+00	7.22E+00	5.91E+00	4.75E+00	3.83E+00	3.09E+00	2.49E+00
Y 91	2.39E-08	4.96E-03	1.14E-02	1.83E-02	2.49E-02	3.73E-02	5.30E-02	6.56E-02	7.60E-02	8.42E-02	9.08E-02
SR 92	1.47E+00	6.58E+00	5.10E+00	3.95E+00	3.06E+00	1.83E+00	8.49E-01	3.95E-01	1.83E-01	8.49E-02	3.95E-02
Y 92	6.79E-02	1.38E+00	2.17E+00	2.58E+00	2.74E+00	2.61E+00	2.00E+00	1.36E+00	8.77E-01	5.40E-01	3.25E-01
SR 93	6.29E+01	1.08E+00	5.98E-03	3.31E-05	1.82E-07	5.57E-12	9.39E-19	1.58E-25	2.67E-32	4.51E-39	7.60E-46
Y 93	7.67E-02	2.48E+00	2.33E+00	2.18E+00	2.04E+00	1.78E+00	1.45E+00	1.18E+00	9.61E-01	7.89E-01	6.41E-01
Y 94	9.38E+00	1.28E+01	1.65E+00	2.13E-01	2.74E-02	4.56E-04	9.77E-07	2.09E-09	4.48E-12	9.77E-15	5.42E-16
Y 95	4.08E+01	3.85E+00	8.48E-02	1.87E-03	4.12E-05	2.00E-08	2.14E-13	2.29E-18	2.44E-23	2.61E-28	2.79E-33
ZR 95	1.53E-04	2.00E-02	2.05E-02	2.05E-02	2.05E-02	2.05E-02	2.05E-02	2.04E-02	2.04E-02	2.03E-02	2.03E-02
NB 95	1.71E-11	1.24E-05	2.89E-05	4.53E-05	6.19E-05	9.49E-05	1.44E-04	1.94E-04	2.42E-04	2.91E-04	3.40E-04
ZR 97	3.98E-01	1.73E+00	1.66E+00	1.60E+00	1.53E+00	1.41E+00	1.25E+00	1.10E+00	9.80E-01	8.64E-01	7.68E-01
NB 97M	2.05E-03	1.67E+00	1.60E+00	1.54E+00	1.47E+00	1.36E+00	1.20E+00	1.06E+00	9.39E-01	8.29E-01	7.33E-01
NB 97	1.99E-01	8.71E-01	1.23E+00	1.40E+00	1.47E+00	1.46E+00	1.33E+00	1.19E+00	1.05E+00	9.25E-01	8.23E-01
NB 98	2.26E+00	1.00E+00	4.42E-01	1.96E-01	8.67E-02	1.70E-02	1.47E-03	1.27E-04	1.10E-05	9.56E-07	8.23E-08
MO 99	1.20E-03	4.94E-01	4.89E-01	4.84E-01	4.79E-01	4.69E-01	4.55E-01	4.41E-01	4.28E-01	4.15E-01	4.02E-01
TC 99M	1.11E-08	4.71E-02	8.85E-02	1.25E-01	1.57E-01	2.10E-01	2.66E-01	3.02E-01	3.24E-01	3.36E-01	3.42E-01
MO101	1.84E+02	8.30E+01	4.82E+00	2.79E-01	1.62E-02	5.43E-05	1.06E-08	2.06E-12	4.00E-16	7.76E-20	1.51E-23
TC101	7.76E+00	2.33E+02	2.55E+01	2.09E+00	1.52E-01	6.86E-04	1.71E-07	3.84E-11	8.15E-15	1.68E-18	3.39E-22
MO102	1.68E+03	3.83E+01	8.72E-01	1.99E-02	4.54E-04	2.36E-07	2.81E-12	3.33E-17	3.94E-22	4.68E-27	5.56E-32
TC102M	1.08E+00	3.24E+01	7.42E-01	1.70E-02	3.86E-04	2.00E-07	2.38E-12	2.82E-17	3.34E-22	3.96E-27	4.70E-32
TC102	5.06E+03	1.93E+01	4.40E-01	1.00E-02	2.29E-04	1.19E-07	1.42E-12	1.68E-17	1.99E-22	2.36E-27	2.80E-32
RU103	1.33E-04	3.08E-01	3.07E-01	3.07E-01	3.07E-01	3.06E-01	3.05E-01	3.05E-01	3.04E-01	3.03E-01	3.02E-01
RH103M	8.84E-09	1.59E-01	2.35E-01	2.73E-01	2.91E-01	3.02E-01	3.05E-01	3.05E-01	3.04E-01	3.03E-01	3.03E-01
TC104	1.06E+02	7.61E+01	7.61E+00	7.53E-01	7.45E-02	7.34E-04	7.17E-07	7.00E-10	6.84E-13	6.68E-16	6.53E-19
RU105	8.44E-01	2.92E+01	2.50E+01	2.14E+01	1.83E+01	1.34E+01	8.38E+00	5.24E+00	3.28E+00	2.05E+00	1.29E+00
RH105M	5.55E-03	2.93E+01	2.50E+01	2.15E+01	1.83E+01	1.34E+01	8.38E+00	5.26E+00	3.29E+00	2.06E+00	1.29E+00
RH105	9.12E-09	5.94E-01	1.10E+00	1.52E+00	1.87E+00	2.40E+00	2.87E+00	3.08E+00	3.14E+00	3.11E+00	3.03E+00
RU106	7.85E-04	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
RH106	8.49E-06	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
RH107	2.15E-01	2.92E+01	4.43E+00	6.66E-01	1.00E-01	2.29E-03	7.89E-06	2.72E-08	9.37E-11	3.21-146	3.19E-17
PD107M	4.47E-04	5.94E+00	8.97E-01	1.36E-01	2.05E-02	4.66E-04	1.61E-06	5.54E-09	1.91E-11	6.58E-14	2.24E-16

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ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.31E-02	1.91E+00	1.82E+00	1.72E+00	1.64E+00	1.48E+00	1.27E+00	1.09E+00	9.34E-01	8.00E-01	6.87E-01
AG109M	1.33E-04	1.91E+00	1.82E+00	1.73E+00	1.64E+00	1.48E+00	1.27E+00	1.09E+00	9.34E-01	8.00E-01	6.87E-01
PD111M	2.73E+00	2.40E+00	2.12E+00	1.87E+00	1.65E+00	1.28E+00	8.78E-01	6.02E-01	4.12E-01	2.82E-01	1.94E-01
PD111	9.72E-01	1.75E+00	1.68E+00	1.50E+00	1.32E+00	1.03E+00	7.06E-01	4.84E-01	3.31E-01	2.27E-01	1.56E-01
AG111M	7.72E-03	2.36E+00	2.22E+00	1.99E+00	1.75E+00	1.35E+00	9.26E-01	6.35E-01	4.35E-01	2.98E-01	2.04E-01
AG111	2.75E-09	8.15E-03	1.71E-02	2.52E-02	3.23E-02	4.40E-02	5.65E-02	6.48E-02	7.02E-02	7.35E-02	7.56E-02
PD112	8.13E-01	7.89E-01	7.61E-01	7.37E-01	7.14E-01	6.67E-01	6.05E-01	5.48E-01	4.96E-01	4.49E-01	4.07E-01
AG112	2.45E-05	1.56E-01	2.75E-01	3.70E-01	4.39E-01	5.26E-01	5.78E-01	5.75E-01	5.48E-01	5.11E-01	4.71E-01
AG113	9.79E-03	2.10E+00	1.84E+00	1.61E+00	1.41E+00	1.09E+00	7.37E-01	4.97E-01	3.36E-01	2.27E-01	1.53E-01
AG115	3.64E+00	3.90E+00	4.85E-01	6.07E-02	7.60E-03	1.19E-04	2.32E-07	4.54E-10	8.78E-13	8.73-162	8.09E-16
CD115M	2.98E-08	7.92E-04	8.90E-04	9.02E-04	9.02E-04	9.02E-04	8.99E-04	8.99E-04	8.96E-04	8.93E-04	8.93E-04
CD115	1.15E-05	2.17E-01	2.33E-01	2.33E-01	2.30E-01	2.24E-01	2.16E-01	2.07E-01	1.99E-01	1.92E-01	1.84E-01
IN115M	1.43E-10	2.39E-02	5.32E-02	7.89E-02	1.01E-01	1.34E-01	1.66E-01	1.82E-01	1.90E-01	1.92E-01	1.90E-01
CD117	2.60E-01	4.33E+00	3.26E+00	2.44E+00	1.83E+00	1.02E+00	4.30E-01	1.81E-01	7.62E-02	3.20E-02	1.35E-02
IN117M	1.25E-05	1.51E+00	2.18E+00	2.37E+00	2.29E+00	1.80E+00	1.03E+00	5.27E-01	2.53E-01	1.17E-01	5.30E-02
IN117	5.03E-10	2.75E-01	6.65E-01	9.24E-01	1.03E+00	9.48E-01	6.04E-01	3.23E-01	1.61E-01	7.56E-02	3.48E-02
CD118	1.72E+01	7.38E+00	3.17E+00	1.35E+00	5.78E-01	1.06E-01	8.31E-03	6.49E-04	5.11E-05	4.00E-06	3.14E-07
IN118	1.14E+00	7.38E+00	3.17E+00	1.35E+00	5.78E-01	1.06E-01	8.31E-03	6.52E-04	5.11E-05	4.00E-06	3.14E-07
CD119	4.30E+01	6.71E-01	1.05E-02	1.64E-04	2.56E-06	6.26E-10	2.38E-15	9.11E-21	3.47E-26	1.33E-31	5.07E-37
IN119M	6.48E-02	7.25E+00	7.89E-01	7.96E-02	7.92E-03	7.80E-05	7.60E-08	7.44E-11	7.25E-14	7.09E-17	6.93E-20
IN119	3.20E+00	3.82E-01	4.43E-02	4.49E-03	4.49E-04	4.40E-06	4.30E-09	4.20E-12	4.11E-15	4.01E-18	3.91E-21
SN121	5.32E-03	5.47E-01	5.32E-01	5.19E-01	5.07E-01	4.82E-01	4.44E-01	4.13E-01	3.81E-01	3.53E-01	3.28E-01
SN123M	2.60E+00	4.86E+00	1.72E+00	6.10E-01	2.15E-01	2.69E-02	1.19E-03	5.27E-05	2.33E-06	1.03E-07	4.55E-09
SN123	2.44E-05	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03
SN125	5.53E-02	5.52E-02	5.50E-02	5.49E-02	5.46E-02	5.43E-02	5.39E-02	5.33E-02	5.29E-02	5.23E-02	5.18E-02
SB125	3.32E-04	3.34E-04	3.35E-04	3.36E-04	3.38E-04	3.41E-04	3.47E-04	3.51E-04	3.55E-04	3.60E-04	3.64E-04
SB126	6.78E-03	6.76E-03	6.75E-03	6.74E-03	6.72E-03	6.68E-03	6.64E-03	6.60E-03	6.54E-03	6.50E-03	6.46E-03
SN127	5.87E+00	4.22E+00	3.03E+00	2.18E+00	1.57E+00	8.10E-01	3.01E-01	1.12E-01	4.15E-02	1.54E-02	5.73E-03
SB127	6.85E-02	2.36E-01	2.62E-01	2.78E-01	2.91E-01	3.03E-01	3.08E-01	3.05E-01	3.00E-01	2.94E-01	2.88E-01
TE127	3.87E-02	4.82E-02	5.85E-02	6.94E-02	8.03E-02	1.01E-01	1.29E-01	1.51E-01	1.67E-01	1.81E-01	1.89E-01
SN128	3.20E+01	1.58E+01	7.82E+00	3.86E+00	1.91E+00	4.66E-01	5.63E-02	6.79E-03	8.20E-04	9.94E-05	1.20E-05
SB128M	1.63E-02	1.80E+01	9.34E+00	4.61E+00	2.28E+00	5.57E-01	6.71E-02	8.10E-03	9.77E-04	1.18E-04	1.43E-05
SB128	1.35E+00	1.30E+00	1.22E+00	1.15E+00	1.07E+00	9.17E-01	7.32E-01	5.81E-01	4.61E-01	3.66E-01	2.90E-01
SN129M	1.74E+01	8.66E+00	4.34E+00	2.17E+00	1.09E+00	2.71E-01	3.40E-02	4.25E-03	5.30E-04	6.63E-05	8.29E-06
SN129	1.16E+02	1.14E+00	1.12E-02	1.11E-04	1.09E-06	1.06E-10	1.01E-16	9.61E-23	9.17E-29	8.73E-35	8.36E-41
SB129	6.52E+00	1.09E+01	1.03E+01	9.17E+00	8.07E+00	5.99E+00	3.73E+00	2.31E+00	1.42E+00	8.80E-01	5.41E-01
TE129M	1.23E-07	1.36E-03	2.81E-03	4.13E-03	5.30E-03	7.19E-03	9.10E-03	1.03E-02	1.10E-02	1.14E-02	1.17E-02
TE129	4.70E+00	6.46E+00	7.56E+00	7.85E+00	7.56E+00	6.26E+00	4.17E+00	2.63E+00	1.64E+00	1.01E+00	6.28E-01
SB130M	6.41E-01	1.21E+00	3.18E-03	8.35E-06	2.20E-08	1.52E-13	2.76E-21	5.02E-29	9.11E-37	1.66E-44	3.01E-52
SB130	1.10E+02	3.33E+01	9.46E+00	2.68E+00	7.58E-01	6.10E-02	1.39E-03	3.17E-05	7.24E-07	1.65E-08	3.76E-10

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.06E-02	2.89E-02	2.74E-02	2.59E-02	2.45E-02	2.19E-02	1.85E-02	1.57E-02	1.32E-02	1.12E-02	9.46E-03
SB131	2.53E+02	6.62E+01	1.08E+01	1.78E+00	2.91E-01	7.84E-03	3.45E-05	1.53E-07	6.72E-10	2.96E-12	1.48E-14
TE131M	1.22E-04	6.38E-01	7.27E-01	7.28E-01	7.14E-01	6.83E-01	6.37E-01	5.94E-01	5.54E-01	5.17E-01	4.83E-01
TE131	1.12E+02	1.22E+02	3.97E+01	1.03E+01	2.51E+00	2.36E-01	1.17E-01	1.08E-01	1.01E-01	9.44E-02	8.80E-02
I131	1.63E-02	5.65E-01	8.31E-01	9.12E-01	9.28E-01	9.36E-01	9.36E-01	9.28E-01	9.28E-01	9.20E-01	9.20E-01
TE132	1.33E+00	3.23E+00	3.20E+00	3.17E+00	3.14E+00	3.09E+00	3.01E+00	2.92E+00	2.85E+00	2.77E+00	2.70E+00
I132	3.26E+00	3.26E+00	3.25E+00	3.23E+00	3.21E+00	3.17E+00	3.09E+00	3.01E+00	2.93E+00	2.86E+00	2.79E+00
TE133M	1.54E-01	5.35E+01	2.33E+01	1.01E+01	4.41E+00	8.38E-01	6.90E-02	5.69E-03	4.69E-04	3.87E-05	3.19E-06
TE133	8.67E+02	4.92E+01	5.47E+00	1.81E+00	7.65E-01	1.45E-01	1.20E-02	9.85E-04	8.16E-05	6.71E-06	5.54E-07
I133	1.35E+00	1.45E+01	1.57E+01	1.57E+01	1.54E+01	1.46E+01	1.32E+01	1.20E+01	1.08E+01	9.85E+00	8.89E+00
XE133M	5.73E-08	3.26E-03	7.87E-03	1.26E-02	1.71E-02	2.57E-02	3.73E-02	4.73E-02	5.57E-02	6.30E-02	6.90E-02
XE133	1.00E-06	5.69E-02	1.38E-01	2.21E-01	3.03E-01	4.59E-01	6.73E-01	8.60E-01	1.03E+00	1.18E+00	1.31E+00
TE134	2.74E+02	1.27E+02	4.73E+01	1.76E+01	6.53E+00	9.05E-01	4.62E-02	2.37E-03	1.21E-04	6.23E-06	3.19E-07
I134	1.26E+02	1.68E+02	1.18E+02	6.90E+01	3.70E+01	9.40E+00	1.03E+00	1.06E-01	1.03E-02	9.91E-04	9.40E-05
I135	2.27E+01	4.01E+01	3.61E+01	3.26E+01	2.94E+01	2.39E+01	1.75E+01	1.28E+01	9.41E+00	6.93E+00	5.06E+00
XE135M	2.52E-03	1.16E+01	1.12E+01	1.02E+01	9.15E+00	7.45E+00	5.47E+00	4.01E+00	2.94E+00	2.16E+00	1.58E+00
XE135	2.62E+00	5.18E+00	7.58E+00	9.54E+00	1.11E+01	1.33E+01	1.48E+01	1.48E+01	1.41E+01	1.29E+01	1.15E+01
CS136	3.15E-03	3.14E-03	3.14E-03	3.13E-03	3.12E-03	3.11E-03	3.09E-03	3.07E-03	3.05E-03	3.03E-03	3.01E-03
CS137	1.06E-04	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03
BA137M	2.23E-07	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03
XE138	8.90E+02	7.65E+01	6.65E+00	5.76E-01	4.99E-02	3.74E-04	2.43E-07	1.58E-10	1.03E-13	6.67E-17	4.34E-20
CS138	1.32E+02	2.23E+02	7.72E+01	2.27E+01	6.36E+00	4.84E-01	1.01E-02	2.09E-04	4.34E-06	9.03E-08	1.87E-09
CS139	7.14E+02	2.28E+01	2.86E-01	3.59E-03	4.50E-05	7.07E-09	1.41E-14	2.78E-20	5.50E-26	1.09E-31	2.16E-37
BA139	1.32E+01	1.47E+02	9.06E+01	5.50E+01	3.33E+01	1.22E+01	2.71E+00	6.02E-01	1.34E-01	2.96E-02	6.59E-03
BA140	1.20E-01	7.47E-01	7.47E-01	7.42E-01	7.42E-01	7.36E-01	7.36E-01	7.30E-01	7.25E-01	7.19E-01	7.13E-01
LA140	2.85E-07	1.28E-02	2.53E-02	3.76E-02	4.96E-02	7.30E-02	1.07E-01	1.38E-01	1.68E-01	1.96E-01	2.22E-01
BA141	1.14E+02	3.45E+01	3.42E+00	3.39E-01	3.36E-02	3.34E-04	3.26E-07	3.17E-10	3.09E-13	3.04E-16	2.96E-19
LA141	1.05E+00	2.23E+01	2.08E+01	1.76E+01	1.48E+01	1.04E+01	6.08E+00	3.55E+00	2.09E+00	1.23E+00	7.19E-01
CE141	1.30E-07	1.45E-02	3.39E-02	5.10E-02	6.54E-02	8.76E-02	1.09E-01	1.21E-01	1.28E-01	1.32E-01	1.34E-01
BA142	7.53E+01	2.99E+00	6.82E-02	1.56E-03	3.55E-05	1.84E-08	2.19E-13	2.60E-18	3.08E-23	3.65E-28	4.34E-33
LA142	1.73E+00	1.20E+01	7.91E+00	5.03E+00	3.20E+00	1.29E+00	3.34E-01	8.61E-02	2.22E-02	5.71E-03	1.47E-03
LA143	2.84E+01	5.55E+00	2.84E-01	1.46E-02	7.51E-04	1.97E-06	2.65E-10	3.57E-14	4.82E-18	6.50E-22	8.77E-26
CE143	1.14E-02	7.24E-01	7.51E-01	7.31E-01	7.17E-01	6.91E-01	6.47E-01	6.08E-01	5.71E-01	5.35E-01	5.03E-01
PR143	3.32E-09	1.11E-03	2.68E-03	4.23E-03	5.75E-03	8.70E-03	1.28E-02	1.67E-02	2.03E-02	2.37E-02	2.68E-02
CE144	5.04E-04	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
PR144	1.38E-07	3.29E-03	3.58E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
PR145	2.04E-02	3.00E+00	2.67E+00	2.38E+00	2.12E+00	1.68E+00	1.18E+00	8.36E-01	5.92E-01	4.18E-01	2.96E-01
CE146	6.51E+01	3.34E+00	1.71E-01	8.75E-03	4.51E-04	1.19E-06	1.60E-10	2.15E-14	2.90E-18	3.91E-22	5.27E-26
PR146	1.35E+00	1.17E+01	2.66E+00	4.99E-01	8.98E-02	2.82E-03	1.56E-05	8.60E-08	4.76E-10	2.63E-12	1.44E-14
PR147	7.66E+00	2.22E+00	6.92E-02	2.16E-03	6.76E-05	6.60E-08	2.01E-12	6.16E-17	1.88E-21	5.74E-26	1.75E-30

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.73E-06	5.15E-02	5.29E-02	5.28E-02	5.27E-02	5.24E-02	5.20E-02	5.16E-02	5.12E-02	5.08E-02	5.04E-02
ND149	4.63E+00	3.15E+00	2.14E+00	1.46E+00	9.89E-01	4.59E-01	1.44E-01	4.56E-02	1.44E-02	4.52E-03	1.43E-03
PM149	6.45E-04	5.04E-02	8.37E-02	1.06E-01	1.20E-01	1.35E-01	1.40E-01	1.37E-01	1.34E-01	1.29E-01	1.24E-01
PM150	5.20E-02	4.02E-02	3.11E-02	2.40E-02	1.86E-02	1.12E-02	5.16E-03	2.39E-03	1.11E-03	5.12E-04	2.37E-04
ND151	1.96E+01	6.14E-01	1.92E-02	6.00E-04	1.88E-05	1.83E-08	5.59E-13	1.71E-17	5.21E-22	1.59E-26	4.86E-31
PM151	1.25E-02	1.46E-01	1.46E-01	1.43E-01	1.39E-01	1.32E-01	1.23E-01	1.14E-01	1.06E-01	9.82E-02	9.12E-02
PM152	3.09E+01	3.02E-02	2.94E-05	2.88E-08	2.81E-11	2.68E-17	2.50E-26	2.33E-35	2.17E-44	2.03E-53	1.88E-62
SM153	4.42E-02	4.36E-02	4.30E-02	4.23E-02	4.18E-02	4.05E-02	3.88E-02	3.70E-02	3.55E-02	3.40E-02	3.25E-02
SM155	2.20E+00	3.61E-01	5.92E-02	9.69E-03	1.59E-03	4.27E-05	1.89E-07	8.30E-10	3.66E-12	1.63E-14	4.01E-17
EU155	1.62E-06	4.61E-05	5.34E-05	5.45E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05
SM156	3.68E-02	3.42E-02	3.17E-02	2.95E-02	2.74E-02	2.36E-02	1.89E-02	1.52E-02	1.22E-02	9.76E-03	7.80E-03
EU156	1.08E-04	1.76E-04	2.38E-04	2.97E-04	3.51E-04	4.48E-04	5.70E-04	6.59E-04	7.38E-04	7.96E-04	8.38E-04
EU157	4.28E-03	1.42E-02	1.35E-02	1.29E-02	1.23E-02	1.13E-02	9.84E-03	8.59E-03	7.48E-03	6.51E-03	5.68E-03
EU158	1.27E-01	5.16E-02	2.09E-02	8.46E-03	3.42E-03	5.60E-04	3.74E-05	2.48E-06	1.64E-07	1.09E-08	7.25E-10
EU159	1.76E-01	1.75E-02	1.73E-03	1.72E-04	1.71E-05	1.68E-07	1.65E-10	1.61E-13	1.57E-16	1.53E-19	1.50E-22
GD159	7.55E-04	3.31E-03	3.44E-03	3.33E-03	3.21E-03	2.97E-03	2.65E-03	2.36E-03	2.10E-03	1.87E-03	1.67E-03
TB161	1.28E-05	9.24E-05	9.18E-05	9.14E-05	9.11E-05	9.02E-05	8.93E-05	8.81E-05	8.69E-05	8.60E-05	8.48E-05
TOTAL	1.21E+04	2.37E+03	9.14E+02	5.38E+02	3.82E+02	2.47E+02	1.66E+02	1.26E+02	1.01E+02	8.40E+01	7.15E+01

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.69E-03	1.67E-03	1.65E-03	1.59E-03	1.49E-03	1.30E-03	1.14E-03	8.81E-04	4.61E-04	1.25E-04	3.41E-05
NA 24	3.96E-01	1.31E-01	4.31E-02	1.55E-03	6.05E-06	9.25E-11	1.41E-15	3.29E-25	0.	0.	0.
MN 54	9.10E-04	9.01E-04	9.01E-04	8.85E-04	8.77E-04	8.61E-04	8.45E-04	8.05E-04	7.19E-04	5.71E-04	4.56E-04
FE 55	1.98E-03	1.98E-03	1.98E-03	1.97E-03	1.96E-03	1.95E-03	1.93E-03	1.91E-03	1.83E-03	1.71E-03	1.59E-03
FE 59	2.00E-04	1.97E-04	1.94E-04	1.85E-04	1.71E-04	1.47E-04	1.26E-04	9.24E-05	4.29E-05	9.15E-06	1.97E-06
CO 57	3.06E-04	3.06E-04	3.04E-04	3.04E-04	2.99E-04	2.90E-04	2.84E-04	2.70E-04	2.38E-04	1.84E-04	1.42E-04
CO 58	1.24E-03	1.23E-03	1.21E-03	1.18E-03	1.12E-03	1.02E-03	9.25E-04	7.61E-04	4.69E-04	1.77E-04	6.69E-05
CO 60	3.26E-05	3.26E-05	3.26E-05	3.26E-05	3.25E-05	3.25E-05	3.23E-05	3.21E-05	3.13E-05	3.03E-05	2.92E-05
CU 64	4.89E-01	1.33E-01	3.63E-02	7.38E-04	1.11E-06	2.52E-12	5.70E-18	2.93E-29	0.	0.	0.
CU 67	4.37E-02	3.33E-02	2.54E-02	1.13E-02	2.94E-03	1.99E-04	1.34E-05	6.08E-08	8.51E-14	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	8.64E-04	8.56E-04	8.41E-04	8.25E-04	7.89E-04	7.18E-04	6.55E-04	5.44E-04	3.43E-04	1.36E-04	5.42E-05
W187	2.71E-02	1.35E-02	6.70E-03	8.36E-04	2.57E-05	2.45E-08	2.31E-11	2.09E-19	0.	0.	0.
W188	5.75E-05	5.68E-05	5.63E-05	5.47E-05	5.21E-05	4.70E-05	4.25E-05	3.49E-05	2.11E-05	7.80E-06	2.87E-06
AU198	1.34E-01	1.03E-01	7.97E-02	3.69E-02	1.02E-02	7.80E-04	5.96E-05	3.49E-07	9.10E-13	0.	0.
AU199	2.07E-01	1.66E-01	1.33E-01	6.86E-02	2.27E-02	2.50E-03	2.75E-04	3.32E-06	5.35E-11	1.39E-20	0.
PB203	3.80E+00	2.76E+00	1.06E+00	2.14E-01	8.82E-03	3.61E-04	6.07E-07	7.10E-14	0.	0.	0.
U237	7.29E-01	6.57E-01	5.93E-01	4.36E-01	2.61E-01	9.34E-02	3.35E-02	4.28E-03	2.53E-05	2.72E-09	1.83E-09
U240	1.29E+00	3.98E-01	1.22E-01	3.54E-03	9.73E-06	7.31E-11	5.50E-16	3.10E-26	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.81E-03	2.77E+00	2.06E+00	8.50E-01	1.95E-01	1.02E-02	5.32E-04	1.46E-06	5.74E-13	1.37E-22	1.37E-22
NP240M	2.05E-03	4.01E-01	1.23E-01	3.57E-03	9.80E-06	7.38E-11	5.55E-16	3.13E-26	0.	0.	0.
AM241	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.64E-09
CM242	4.94E-07	4.92E-07	4.89E-07	4.84E-07	4.74E-07	4.53E-07	4.35E-07	4.00E-07	3.25E-07	2.12E-07	1.38E-07
GE 77	1.56E-02	9.82E-03	2.25E-03	2.71E-05	1.73E-08	6.99E-15	2.82E-21	4.60E-34	0.	0.	0.
AS 77	1.61E-04	2.38E-02	1.72E-02	4.98E-03	5.83E-04	7.91E-06	1.07E-07	1.98E-11	9.18E-21	1.97E-39	4.23E-58
SE 77M	6.35E-09	7.16E-05	5.16E-05	1.50E-05	1.74E-06	2.37E-08	3.22E-10	5.95E-14	2.76E-23	5.89E-42	1.27E-60
AS 78	3.08E-02	2.74E-04	8.02E-09	6.77E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	6.94E-04	4.33E-04	2.71E-04	6.58E-05	6.24E-06	5.60E-08	5.03E-10	4.06E-14	2.37E-24	8.14E-45	2.77E-65
BR 83	5.43E-01	1.43E-02	1.44E-05	1.46E-14	1.49E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.81E-05	6.26E-02	7.11E-05	6.39E-14	6.56E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.71E-03	3.26E-01	7.43E-03	8.82E-08	5.44E-16	2.07E-32	7.83E-49	0.	0.	0.	0.
KR 85	5.91E-06	1.55E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.57E-04	1.56E-04	1.53E-04	1.51E-04
KR 87	7.63E+01	1.51E-04	2.98E-10	2.31E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.57E+01	1.20E-01	3.15E-04	5.73E-12	7.21E-25	0.	0.	0.	0.	0.	0.
RB 88	1.16E+01	1.34E-01	3.53E-04	6.41E-12	8.04E-25	0.	0.	0.	0.	0.	0.
SR 89	4.30E-06	1.29E-01	1.27E-01	1.22E-01	1.15E-01	1.00E-01	8.75E-02	6.73E-02	3.44E-02	9.06E-03	2.39E-03
SR 90	8.23E-06	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.45E-04	8.38E-04	8.38E-04	8.30E-04
Y 90	1.22E-11	1.94E-04	3.43E-04	6.16E-04	7.86E-04	8.38E-04	8.45E-04	8.45E-04	8.38E-04	8.38E-04	8.30E-04
SR 91	8.69E-01	3.11E+00	5.58E-01	3.20E-03	5.85E-07	1.98E-14	6.73E-22	7.65E-37	0.	0.	0.

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.85E-05	2.01E+00	3.60E-01	2.07E-03	3.79E-07	1.28E-14	4.33E-22	4.94E-37	0.	0.	0.
Y 91	2.39E-08	9.57E-02	1.13E-01	1.13E-01	1.07E-01	9.46E-02	8.42E-02	6.67E-02	3.69E-02	1.14E-02	3.49E-03
SR 92	1.47E+00	1.84E-02	3.96E-05	3.98E-13	1.86E-26	0.	0.	0.	0.	0.	0.
Y 92	6.79E-02	1.92E-01	2.14E-03	1.64E-09	9.59E-20	3.28E-40	1.12E-60	0.	0.	0.	0.
Y 93	7.67E-02	5.18E-01	1.01E-01	7.60E-04	2.19E-07	1.81E-14	1.49E-21	1.02E-35	0.	0.	0.
ZR 95	1.53E-04	1.92E-02	1.90E-02	1.84E-02	1.74E-02	1.56E-02	1.41E-02	1.14E-02	6.66E-03	2.29E-03	7.87E-04
NB 95M	3.26E-12	6.49E-05	1.18E-04	2.26E-04	3.05E-04	3.22E-04	2.97E-04	2.41E-04	1.41E-04	4.86E-05	1.68E-05
NB 95	1.71E-11	3.71E-04	7.33E-04	1.76E-03	3.26E-03	5.63E-03	7.27E-03	9.01E-03	8.68E-03	4.17E-03	1.60E-03
ZR 97	3.98E-01	6.78E-01	2.55E-01	1.35E-02	1.01E-04	5.71E-09	3.21E-13	1.01E-21	5.72E-43	0.	0.
NB 97M	2.05E-03	6.51E-01	2.45E-01	1.30E-02	9.73E-05	5.48E-09	3.08E-13	9.73E-22	5.50E-43	0.	0.
NB 97	1.99E-01	6.81E-01	2.56E-01	1.36E-02	1.02E-04	6.15E-09	3.45E-13	1.10E-21	6.17E-43	0.	0.
MO 99	1.20E-03	3.90E-01	3.04E-01	1.44E-01	4.17E-02	3.48E-03	2.91E-04	2.03E-06	8.24E-12	1.36E-22	2.23E-33
TC 99M	1.11E-08	3.42E-01	2.88E-01	1.38E-01	3.98E-02	3.32E-03	2.78E-04	1.94E-06	7.85E-12	1.30E-22	2.14E-33
RU103	1.33E-04	3.02E-01	2.96E-01	2.81E-01	2.58E-01	2.17E-01	1.82E-01	1.28E-01	5.34E-02	9.26E-03	1.61E-03
RH103M	8.84E-09	3.02E-01	2.97E-01	2.82E-01	2.58E-01	2.17E-01	1.82E-01	1.28E-01	5.34E-02	9.26E-03	1.61E-03
RU105	8.44E-01	8.08E-01	1.90E-02	2.50E-07	1.82E-15	9.74E-32	5.22E-48	0.	0.	0.	0.
RH105M	5.55E-03	8.08E-01	1.90E-02	2.50E-07	1.83E-15	9.80E-32	5.23E-48	0.	0.	0.	0.
RH105	9.12E-09	2.92E+00	1.90E+00	4.75E-01	4.68E-02	4.55E-04	4.42E-06	4.17E-10	3.62E-20	2.72E-40	2.04E-60
RU106	7.85E-04	1.49E-02	1.48E-02	1.47E-02	1.46E-02	1.43E-02	1.40E-02	1.35E-02	1.23E-02	1.02E-02	8.43E-03
RH106	8.49E-06	1.49E-02	1.48E-02	1.47E-02	1.46E-02	1.43E-02	1.40E-02	1.35E-02	1.23E-02	1.02E-02	8.43E-03
PD109	2.31E-02	5.88E-01	1.71E-01	4.25E-03	8.95E-06	3.99E-11	1.78E-16	3.51E-27	0.	0.	0.
AG109M	1.33E-04	5.88E-01	1.72E-01	4.25E-03	8.99E-06	3.99E-11	1.78E-16	3.52E-27	0.	0.	0.
PD111M	2.73E+00	1.32E-01	6.44E-03	7.38E-07	2.00E-13	1.46E-26	1.07E-39	0.	0.	0.	0.
PD111	9.72E-01	1.07E-01	5.17E-03	5.94E-07	1.61E-13	1.17E-26	8.59E-40	0.	0.	0.	0.
AG111M	7.72E-03	1.40E-01	6.79E-03	7.81E-07	2.11E-13	1.55E-26	1.13E-39	0.	0.	0.	0.
AG111	2.75E-09	7.59E-02	7.29E-02	5.55E-02	3.49E-02	1.39E-02	5.50E-03	8.67E-04	8.52E-06	8.26E-10	8.01E-14
PD112	8.13E-01	3.70E-01	1.67E-01	1.55E-02	2.95E-04	1.07E-07	3.89E-11	5.11E-18	3.22E-35	0.	0.
AG112	2.45E-05	4.29E-01	1.97E-01	1.83E-02	3.50E-04	1.26E-07	4.59E-11	6.05E-18	3.79E-35	0.	0.
AG113	9.79E-03	1.04E-01	4.48E-03	3.64E-07	5.57E-14	1.30E-27	3.04E-41	0.	0.	0.	0.
CD115M	2.98E-08	8.61E-04	8.47E-04	8.06E-04	7.45E-04	6.33E-04	5.40E-04	3.90E-04	1.75E-04	3.47E-05	6.93E-06
CD115	1.15E-05	1.73E-01	1.27E-01	5.00E-02	1.05E-02	4.71E-04	2.10E-05	4.19E-08	7.40E-15	2.32E-28	7.25E-42
IN115M	1.43E-10	1.83E-01	1.38E-01	5.46E-02	1.15E-02	5.14E-04	2.29E-05	4.57E-08	8.09E-15	2.53E-28	7.92E-42
CD117	2.60E-01	5.67E-03	5.52E-06	5.15E-15	4.57E-30	0.	0.	0.	0.	0.	0.
IN117M	1.25E-05	2.35E-02	2.73E-05	2.63E-14	2.33E-29	0.	0.	0.	0.	0.	0.
IN117	5.03E-10	1.55E-02	1.84E-05	1.78E-14	1.58E-29	0.	0.	0.	0.	0.	0.
SN121	5.32E-03	3.03E-01	1.64E-01	2.58E-02	1.18E-03	2.50E-06	5.25E-09	2.34E-14	9.79E-28	0.	0.
SN123	2.44E-05	2.55E-03	2.53E-03	2.49E-03	2.42E-03	2.29E-03	2.17E-03	1.94E-03	1.47E-03	8.45E-04	4.86E-04
SN125	5.53E-02	5.14E-02	4.78E-02	3.83E-02	2.64E-02	1.27E-02	6.05E-03	1.38E-03	3.47E-05	2.18E-08	1.37E-11
SB125	3.32E-04	3.68E-04	4.03E-04	4.92E-04	6.04E-04	7.31E-04	7.87E-04	8.20E-04	8.04E-04	7.51E-04	7.00E-04
SB126	6.78E-03	6.42E-03	6.07E-03	5.14E-03	3.89E-03	2.23E-03	1.29E-03	4.24E-04	2.65E-05	1.29E-07	2.59E-08

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.87E+00	2.13E-03	7.72E-07	3.69E-17	2.31E-34	0.	0.	0.	0.	0.	0.
SB127	6.85E-02	2.81E-01	2.35E-01	1.37E-01	5.63E-02	9.40E-03	1.57E-03	4.39E-05	5.73E-09	9.78E-17	1.67E-24
TE127M	5.54E-10	4.29E-04	7.86E-04	1.52E-03	2.11E-03	2.32E-03	2.24E-03	1.99E-03	1.45E-03	7.65E-04	4.05E-04
TE127	3.87E-02	2.01E-01	1.98E-01	1.20E-01	5.09E-02	1.04E-02	3.58E-03	2.00E-03	1.43E-03	7.56E-04	4.00E-04
SB128	1.35E+00	2.30E-01	3.64E-02	1.42E-04	1.38E-08	1.29E-16	1.21E-24	1.07E-40	0.	0.	0.
SB129	6.52E+00	3.34E-01	6.97E-03	6.35E-08	2.52E-16	3.98E-33	6.29E-50	0.	0.	0.	0.
TE129M	1.23E-07	1.30E-02	1.30E-02	1.23E-02	1.11E-02	9.02E-03	7.34E-03	4.89E-03	1.76E-03	2.30E-04	2.99E-05
TE129	4.70E+00	3.91E-01	1.63E-02	7.85E-03	7.08E-03	5.77E-03	4.71E-03	3.13E-03	1.13E-03	1.47E-04	1.91E-05
I130	3.06E-02	8.00E-03	2.09E-03	3.74E-05	4.57E-08	6.81E-14	1.02E-19	2.26E-31	0.	0.	0.
TE131M	1.22E-04	4.26E-01	2.45E-01	4.63E-02	2.90E-03	1.13E-05	4.42E-08	6.75E-13	6.13E-25	0.	0.
TE131	1.12E+02	7.77E-02	4.46E-02	8.47E-03	5.29E-04	2.07E-06	8.06E-09	1.23E-13	1.12E-25	0.	0.
I131	1.63E-02	8.80E-01	8.31E-01	6.68E-01	4.40E-01	1.86E-01	7.86E-02	1.40E-02	1.90E-04	3.45E-08	6.30E-12
XE131M	4.42E-11	4.08E-04	7.74E-04	1.61E-03	2.31E-03	2.28E-03	1.69E-03	7.00E-04	4.67E-05	1.40E-07	3.94E-10
TE132	1.33E+00	2.63E+00	2.13E+00	1.12E+00	3.86E-01	4.58E-02	5.42E-03	7.61E-05	1.78E-09	9.75E-19	5.32E-28
I132	3.26E+00	2.72E+00	2.19E+00	1.15E+00	3.98E-01	4.71E-02	5.58E-03	7.85E-05	1.84E-09	9.99E-19	5.48E-28
I133	1.35E+00	7.50E+00	3.38E+00	3.14E-01	5.98E-03	2.17E-06	7.87E-10	1.04E-16	6.51E-34	0.	0.
XE133M	5.73E-08	7.08E-02	8.38E-02	4.92E-02	1.15E-02	5.42E-04	2.52E-05	5.47E-08	1.20E-14	5.73E-28	2.74E-41
XE133	1.00E-06	1.36E+00	1.82E+00	1.63E+00	8.89E-01	2.40E-01	6.46E-02	4.65E-03	6.48E-06	1.26E-11	2.44E-17
I135	2.27E+01	3.71E+00	3.10E-01	1.80E-04	7.32E-10	1.21E-20	1.99E-31	5.40E-53	0.	0.	0.
XE135M	2.52E-03	1.16E+00	9.67E-02	5.63E-05	2.29E-10	3.76E-21	6.20E-32	1.69E-53	0.	0.	0.
XE135	2.62E+00	1.00E+01	2.44E+00	1.40E-02	1.71E-06	2.41E-14	3.37E-22	6.67E-38	0.	0.	0.
CS136	3.15E-03	2.99E-03	2.83E-03	2.41E-03	1.85E-03	1.09E-03	6.39E-04	2.19E-04	1.52E-05	7.34E-08	3.56E-10
CS137	1.06E-04	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.13E-03	1.13E-03	1.12E-03
BA137M	2.23E-07	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.05E-03	1.04E-03
BA139	1.32E+01	1.41E-03	8.30E-09	1.71E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.20E-01	7.07E-01	6.73E-01	5.71E-01	4.35E-01	2.53E-01	1.47E-01	4.99E-02	3.33E-03	1.48E-05	6.56E-08
LA140	2.85E-07	2.46E-01	3.97E-01	5.48E-01	4.87E-01	2.92E-01	1.69E-01	5.76E-02	3.83E-03	1.71E-05	7.59E-08
LA141	1.05E+00	4.18E-01	5.86E-03	1.62E-08	8.87E-18	2.65E-36	7.90E-55	0.	0.	0.	0.
CE141	1.30E-07	1.44E-01	1.43E-01	1.35E-01	1.21E-01	9.77E-02	7.87E-02	5.13E-02	1.76E-02	2.07E-03	2.44E-04
LA142	1.73E+00	3.79E-04	7.33E-09	5.40E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.14E-02	4.67E-01	2.82E-01	6.22E-02	5.00E-03	3.23E-05	2.09E-07	8.77E-12	9.90E-23	0.	0.
PR143	3.32E-09	2.99E-02	4.65E-02	6.00E-02	5.15E-02	3.14E-02	1.89E-02	6.84E-03	5.47E-04	3.47E-06	2.21E-08
CE144	5.04E-04	3.61E-03	3.59E-03	3.57E-03	3.52E-03	3.44E-03	3.36E-03	3.20E-03	2.83E-03	2.22E-03	1.74E-03
PR144	1.38E-07	3.61E-03	3.59E-03	3.57E-03	3.52E-03	3.44E-03	3.36E-03	3.20E-03	2.83E-03	2.22E-03	1.74E-03
PR145	2.04E-02	2.09E-01	1.29E-02	3.06E-06	2.79E-12	2.31E-24	1.92E-36	0.	0.	0.	0.
ND147	2.73E-06	4.60E-02	4.32E-02	3.58E-02	2.62E-02	1.41E-02	7.52E-03	2.16E-03	9.47E-05	1.84E-07	3.58E-10
PM147	7.59E-15	3.44E-05	6.66E-05	1.52E-04	2.63E-04	4.01E-04	4.74E-04	5.28E-04	5.33E-04	4.97E-04	4.62E-04
ND149	4.63E+00	4.48E-04	4.34E-08	3.96E-20	3.38E-40	0.	0.	0.	0.	0.	0.
PM149	6.45E-04	1.19E-01	8.72E-02	3.40E-02	7.11E-03	3.10E-04	1.35E-05	2.56E-08	4.04E-15	9.98E-29	2.49E-42
PM150	5.20E-02	1.10E-04	2.31E-07	2.17E-15	9.09E-29	0.	0.	0.	0.	0.	0.

1 ZUNI MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.25E-02	8.49E-02	4.68E-02	7.88E-03	4.04E-04	1.06E-06	2.80E-09	1.93E-14	2.42E-27	0.	0.
SM153	4.42E-02	3.11E-02	2.18E-02	7.54E-03	1.28E-03	3.73E-05	1.08E-06	9.10E-10	1.88E-17	8.60E-33	3.40E-48
SM156	3.68E-02	6.28E-03	1.07E-03	5.27E-06	7.59E-10	1.56E-17	3.22E-25	1.37E-40	0.	0.	0.
EU155	1.62E-06	5.48E-05	5.47E-05	5.47E-05	5.45E-05	5.43E-05	5.41E-05	5.37E-05	5.26E-05	5.05E-05	4.86E-05
EU156	1.08E-04	8.75E-04	9.70E-04	8.70E-04	6.91E-04	4.34E-04	2.74E-04	1.09E-04	1.08E-05	1.06E-07	1.04E-09
EU157	4.28E-03	4.94E-03	1.66E-03	6.24E-05	2.62E-07	4.62E-12	8.18E-17	2.55E-26	0.	0.	0.
GD159	7.55E-04	1.49E-03	5.91E-04	3.69E-05	3.63E-07	3.52E-11	3.41E-15	3.20E-23	2.73E-43	0.	0.
TB161	1.28E-05	8.39E-05	7.57E-05	5.60E-05	3.39E-05	1.24E-05	4.54E-06	6.09E-07	4.03E-09	1.74E-13	7.57E-18
TOTAL	3.33E+02	6.01E+01	2.67E+01	1.03E+01	4.93E+00	2.09E+00	1.25E+00	6.64E-01	2.67E-01	8.34E-02	4.10E-02

1

ZUNI MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.69E-03	1.46E-05	1.36E-06	1.26E-07	1.01E-10	8.12E-14	6.07E-18	3.89E-24	0.	0.	0.
MN 54	9.10E-04	3.92E-04	2.58E-04	1.70E-04	4.85E-05	1.38E-05	2.61E-06	2.13E-07	5.01E-11	1.81E-16	6.55E-22
FE 59	2.00E-04	7.20E-07	4.32E-08	2.60E-09	5.64E-13	1.22E-16	1.59E-21	7.44E-29	0.	0.	0.
CO 57	3.06E-04	1.21E-04	7.55E-05	4.74E-05	1.17E-05	2.88E-06	4.45E-08	2.70E-08	2.36E-12	1.94E-18	0.
CO 58	1.24E-03	3.56E-05	6.03E-06	1.02E-06	4.98E-09	2.42E-11	2.00E-14	4.74E-19	1.81E-34	0.	0.
CO 60	3.26E-05	2.86E-05	2.67E-05	2.49E-05	2.05E-05	1.68E-05	1.29E-05	8.71E-06	2.34E-06	3.25E-07	4.48E-08
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	8.64E-04	2.97E-05	5.50E-06	1.02E-06	6.49E-09	4.14E-11	4.88E-14	1.98E-18	0.	0.	0.
W188	5.75E-05	1.49E-06	2.42E-07	3.89E-08	1.64E-10	6.88E-13	4.66E-16	8.24E-21	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	7.29E-01	1.82E-09	1.77E-09	1.72E-09	1.61E-09	1.50E-09	1.36E-09	1.18E-09	7.35E-10	3.60E-10	1.77E-10
AM241	2.64E-09	2.64E-09	2.64E-09	2.64E-09	2.65E-09	2.66E-09	2.66E-09	2.67E-09	2.69E-09	2.66E-09	2.62E-09
CM242	4.94E-07	1.05E-07	4.81E-08	2.22E-08	2.16E-09	2.10E-10	9.42E-12	8.91E-14	2.56E-18	2.39E-18	2.23E-18
KR 85	5.91E-06	1.47E-04	1.42E-04	1.38E-04	1.25E-04	1.13E-04	9.96E-05	8.21E-05	4.34E-05	1.66E-05	6.33E-06
SR 89	4.30E-06	1.01E-03	8.81E-05	7.74E-06	5.21E-09	3.52E-12	2.08E-16	9.44E-23	6.86E-44	0.	0.
SR 90	8.23E-06	8.23E-04	8.15E-04	8.08E-04	7.78E-04	7.48E-04	7.12E-04	6.61E-04	5.17E-04	3.57E-04	2.47E-04
Y 90	1.22E-11	8.23E-04	8.15E-04	8.08E-04	7.78E-04	7.48E-04	7.12E-04	6.61E-04	5.17E-04	3.57E-04	2.47E-04
Y 91	2.39E-08	1.62E-03	1.88E-04	2.19E-05	3.43E-08	5.38E-11	9.84E-15	2.42E-20	4.88E-39	0.	0.
ZR 95	1.53E-04	3.94E-04	5.62E-05	8.01E-06	2.33E-08	6.79E-11	2.81E-14	2.37E-19	2.91E-36	0.	0.
NB 95M	3.26E-12	8.34E-06	1.19E-06	1.70E-07	4.94E-10	1.44E-12	5.96E-16	5.03E-21	6.17E-38	0.	0.
NB 95	1.71E-11	8.48E-04	1.22E-04	1.74E-05	5.03E-08	1.46E-10	6.10E-14	5.15E-19	6.30E-36	0.	0.
RU103	1.33E-04	5.15E-04	2.11E-05	8.67E-07	5.91E-11	4.05E-15	1.14E-20	5.35E-29	0.	0.	0.
RH103M	8.84E-09	5.16E-04	2.11E-05	8.67E-07	5.92E-11	4.06E-15	1.14E-20	5.36E-29	0.	0.	0.
RU106	7.85E-04	7.46E-03	5.28E-03	3.74E-03	1.33E-03	4.73E-04	1.19E-04	1.51E-05	1.52E-08	4.88E-13	1.57E-17
RH106	8.49E-06	7.46E-03	5.28E-03	3.74E-03	1.33E-03	4.73E-04	1.19E-04	1.51E-05	1.52E-08	4.88E-13	1.57E-17
SN123	2.44E-05	3.38E-04	1.23E-04	4.46E-05	2.14E-06	1.03E-07	1.79E-09	4.12E-12	6.61E-21	4.26E-34	2.73E-47
SB125	3.32E-04	6.69E-04	5.88E-04	5.17E-04	3.52E-04	2.40E-04	1.43E-04	6.63E-05	5.10E-06	1.08E-07	2.31E-09
TE125M	8.94E-12	2.73E-04	2.43E-04	2.14E-04	1.46E-04	9.92E-05	5.93E-05	2.74E-05	2.11E-06	4.49E-08	9.56E-10
TE127M	5.54E-10	2.65E-04	8.30E-05	2.60E-05	7.99E-07	2.46E-08	2.36E-10	2.22E-13	1.83E-23	1.36E-38	1.02E-53
TE127	3.87E-02	2.63E-04	8.20E-05	2.57E-05	7.89E-07	2.43E-08	2.33E-10	2.20E-13	1.81E-23	1.35E-38	1.01E-53
CS137	1.06E-04	1.11E-03	1.10E-03	1.09E-03	1.05E-03	1.01E-03	9.67E-04	9.04E-04	7.14E-04	5.08E-04	3.58E-04
BA137M	2.23E-07	1.04E-03	1.03E-03	1.02E-03	9.80E-04	9.48E-04	9.04E-04	8.47E-04	6.70E-04	4.74E-04	3.36E-04
CE141	1.30E-07	5.62E-05	1.13E-06	2.27E-08	1.85E-13	1.50E-18	2.47E-25	1.64E-35	0.	0.	0.
CE144	5.04E-04	1.48E-03	9.53E-04	6.08E-04	1.60E-04	4.20E-05	7.05E-06	4.87E-07	6.56E-11	1.03E-16	1.60E-22
PR144	1.38E-07	1.48E-03	9.53E-04	6.08E-04	1.60E-04	4.20E-05	7.05E-06	4.87E-07	6.56E-11	1.03E-16	1.60E-22
PM147	7.59E-15	4.41E-04	3.86E-04	3.38E-04	2.27E-04	1.53E-04	8.98E-05	4.08E-05	2.90E-06	5.48E-08	1.04E-09
EU155	1.62E-06	4.73E-05	4.40E-05	4.09E-05	3.29E-05	2.64E-05	1.97E-05	1.27E-05	2.98E-06	3.35E-07	3.77E-08
TOTAL	7.75E-01	2.97E-02	1.88E-02	1.41E-02	7.54E-03	5.15E-03	3.98E-03	3.34E-03	2.48E-03	1.71E-03	1.19E-03

Appendix F
Detailed Results for Event Tewa

1

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

PAGE 2

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	9.95E+01	1.26E+04
1.00E+00		2.85E+01	2.50E+03
2.00E+00		1.13E+01	8.98E+02
3.00E+00		6.19E+00	5.42E+02
4.00E+00		4.00E+00	4.11E+02
6.00E+00		2.21E+00	2.97E+02
9.00E+00		1.35E+00	2.20E+02
1.20E+01		1.00E+00	1.76E+02
1.50E+01		7.99E-01	1.47E+02
1.80E+01		6.64E-01	1.26E+02
2.10E+01		5.65E-01	1.09E+02
1.00E+00	DAYS	4.84E-01	9.61E+01
2.00E+00		2.24E-01	4.77E+01
5.00E+00		8.07E-02	1.72E+01
1.00E+01		3.58E-02	6.80E+00
2.00E+01		1.41E-02	2.36E+00
3.00E+01		8.08E-03	1.32E+00
5.00E+01		3.84E-03	6.63E-01
1.00E+02		1.48E-03	2.88E-01
2.00E+02		5.33E-04	1.09E-01
3.00E+02		2.09E-04	5.69E-02
1.00E+00	YEARS	1.22E-04	4.16E-02
1.50E+00		3.87E-05	2.39E-02
2.00E+00		2.27E-05	1.66E-02
3.50E+00		1.23E-05	7.37E-03
5.00E+00		8.88E-06	4.31E-03
7.00E+00		6.96E-06	2.88E-03
1.00E+01		5.69E-06	2.14E-03
2.00E+01		3.90E-06	1.39E-03
3.50E+01		2.66E-06	9.41E-04
5.00E+01		1.86E-06	6.55E-04

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.70E-04	3.69E-04	3.69E-04	3.69E-04	3.69E-04	3.69E-04	3.68E-04	3.67E-04	3.67E-04	3.66E-04	3.65E-04
NA 24	5.90E-01	5.64E-01	5.39E-01	5.14E-01	4.91E-01	4.48E-01	3.90E-01	3.40E-01	2.96E-01	2.58E-01	2.23E-01
MN 54	2.51E-04	2.51E-04	2.51E-04	2.51E-04	2.51E-04	2.51E-04	2.51E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04
FE 55	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	1.07E-03
FE 59	4.65E-04	4.64E-04	4.64E-04	4.64E-04	4.64E-04	4.63E-04	4.62E-04	4.62E-04	4.60E-04	4.60E-04	4.59E-04
CO 57	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	1.03E-04	1.03E-04
CO 58	5.68E-04	5.68E-04	5.68E-04	5.68E-04	5.67E-04	5.67E-04	5.66E-04	5.66E-04	5.65E-04	5.65E-04	5.63E-04
CO 60	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.73E-05
CU 64	7.08E-01	6.69E-01	6.34E-01	6.02E-01	5.69E-01	5.11E-01	4.34E-01	3.69E-01	3.14E-01	2.67E-01	2.27E-01
CU 67	8.47E-02	8.39E-02	8.25E-02	8.18E-02	8.10E-02	7.89E-02	7.60E-02	7.38E-02	7.15E-02	6.87E-02	6.68E-02
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.84E-05	3.84E-05	3.84E-05	3.83E-05	3.83E-05	3.82E-05	3.82E-05
W187	2.45E-03	2.37E-03	2.30E-03	2.24E-03	2.18E-03	2.05E-03	1.88E-03	1.73E-03	1.58E-03	1.46E-03	1.33E-03
W188	1.36E-06	1.36E-06	1.36E-06	1.35E-06	1.35E-06	1.35E-06	1.35E-06	1.35E-06	1.35E-06	1.35E-06	1.34E-06
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	1.06E-03	1.05E-03	1.03E-03	1.02E-03	1.01E-03	9.83E-04	9.46E-04	9.08E-04	8.71E-04	8.34E-04	8.04E-04
U237	4.11E+00	4.09E+00	4.07E+00	4.05E+00	4.04E+00	4.00E+00	3.95E+00	3.90E+00	3.85E+00	3.80E+00	3.75E+00
U239	3.89E+03	6.64E+02	1.13E+02	1.93E+01	3.28E+00	9.55E-02	4.73E-04	2.34E-06	1.16E-08	5.72E-11	2.83E-13
U240	2.72E+01	2.59E+01	2.47E+01	2.35E+01	2.24E+01	2.03E+01	1.75E+01	1.51E+01	1.30E+01	1.12E+01	9.67E+00
NP239	1.33E-02	2.23E+01	2.58E+01	2.62E+01	2.60E+01	2.54E+01	2.44E+01	2.36E+01	2.28E+01	2.19E+01	2.11E+01
NP240M	4.31E-02	2.60E+01	2.49E+01	2.37E+01	2.26E+01	2.04E+01	1.76E+01	1.52E+01	1.31E+01	1.13E+01	9.78E+00
NP240	1.09E-09	5.61E-10	2.91E-10	1.50E-10	7.77E-11	2.08E-11	2.87E-12	3.96E-13	5.45E-14	7.51E-15	1.04E-15
AM241	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09
CM242	4.04E-07	4.04E-07	4.04E-07	4.04E-07	4.04E-07	4.04E-07	4.02E-07	4.02E-07	4.02E-07	4.02E-07	4.02E-07
GE 75	3.56E-05	1.73E-01	1.04E-01	6.26E-02	3.77E-02	1.37E-02	2.98E-03	6.53E-04	1.43E-04	3.11E-05	6.81E-06
GE 77	1.14E-02	2.94E-02	2.77E-02	2.60E-02	2.45E-02	2.17E-02	1.80E-02	1.50E-02	1.25E-02	1.04E-02	8.64E-03
AS 77	1.18E-04	1.87E-02	1.89E-02	1.90E-02	1.91E-02	1.93E-02	1.93E-02	1.91E-02	1.88E-02	1.85E-02	1.80E-02
SE 77M	4.66E-09	5.59E-05	5.68E-05	5.72E-05	5.72E-05	5.76E-05	5.80E-05	5.76E-05	5.68E-05	5.55E-05	5.38E-05
GE 78	1.22E+00	7.62E-01	4.74E-01	2.96E-01	1.85E-01	7.20E-02	1.75E-02	4.23E-03	1.03E-03	2.51E-04	6.10E-05
AS 78	2.19E-02	3.64E-01	4.49E-01	4.21E-01	3.51E-01	2.08E-01	7.71E-02	2.56E-02	7.92E-03	2.37E-03	6.86E-04
AS 79	1.93E+01	1.90E-01	1.88E-03	1.85E-05	1.82E-07	1.76E-11	1.68E-17	1.60E-23	1.53E-29	1.46E-35	1.40E-41
SE 79M	2.86E-02	3.36E-01	3.32E-03	3.27E-05	3.21E-07	3.11E-11	2.97E-17	2.83E-23	2.70E-29	2.58E-35	2.46E-41
BR 80	1.04E-01	9.85E-03	9.26E-04	8.71E-05	8.20E-06	7.27E-08	6.09E-11	5.08E-14	4.23E-17	3.53E-20	2.95E-23
SE 81M	8.09E-02	3.77E+00	1.82E+00	8.76E-01	4.21E-01	9.84E-02	1.10E-02	1.23E-03	1.38E-04	1.55E-05	1.74E-06
SE 81	9.88E-01	4.46E+00	2.58E+00	1.29E+00	6.26E-01	1.46E-01	1.63E-02	1.83E-03	2.05E-04	2.30E-05	2.58E-06
BR 82	4.26E-04	4.17E-04	4.09E-04	4.02E-04	3.93E-04	3.78E-04	3.57E-04	3.36E-04	3.17E-04	2.99E-04	2.82E-04
SE 83	3.92E+01	7.43E+00	1.41E+00	2.67E-01	5.05E-02	1.82E-03	1.23E-05	8.39E-08	5.73E-10	3.88E-12	2.47E-14
BR 83	3.26E-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	4.82E-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

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	7.53E-02	1.30E+01	3.51E+00	9.51E-01	2.57E-01	1.88E-02	3.71E-04	7.33E-06	1.45E-07	2.87E-09	5.66E-11
KR 85M	3.20E-03	6.86E+00	5.83E+00	4.98E+00	4.26E+00	3.11E+00	1.94E+00	1.21E+00	7.54E-01	4.68E-01	2.93E-01
KR 87	4.10E+01	2.36E+01	1.37E+01	7.91E+00	4.56E+00	1.53E+00	2.97E-01	5.75E-02	1.11E-02	2.16E-03	4.17E-04
KR 88	2.44E+01	1.90E+01	1.49E+01	1.16E+01	9.07E+00	5.51E+00	2.63E+00	1.25E+00	5.95E-01	2.83E-01	1.35E-01
RB 88	6.20E+00	1.93E+01	1.64E+01	1.30E+01	1.01E+01	6.17E+00	2.94E+00	1.40E+00	6.68E-01	3.17E-01	1.51E-01
RB 89	3.03E+01	2.84E+01	1.91E+00	1.28E-01	8.61E-03	3.90E-05	1.18E-08	3.56E-12	1.08E-15	3.28E-19	9.96E-23
SR 89	2.32E-06	8.13E-02	8.68E-02	8.68E-02	8.68E-02	8.68E-02	8.68E-02	8.64E-02	8.64E-02	8.61E-02	8.61E-02
SR 90	4.37E-06	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04
SR 91	6.01E-01	1.12E+01	1.04E+01	9.71E+00	9.03E+00	7.82E+00	6.31E+00	5.10E+00	4.12E+00	3.31E+00	2.67E+00
Y 91M	4.04E-05	3.85E+00	5.25E+00	5.63E+00	5.55E+00	4.99E+00	4.08E+00	3.28E+00	2.65E+00	2.13E+00	1.72E+00
Y 91	1.65E-08	3.43E-03	7.90E-03	1.26E-02	1.72E-02	2.58E-02	3.66E-02	4.53E-02	5.25E-02	5.82E-02	6.27E-02
SR 92	7.98E+00	3.56E+01	2.76E+01	2.14E+01	1.66E+01	9.91E+00	4.60E+00	2.14E+00	9.91E-01	4.60E-01	2.14E-01
Y 92	3.68E-01	7.50E+00	1.18E+01	1.40E+01	1.48E+01	1.41E+01	1.08E+01	7.38E+00	4.75E+00	2.92E+00	1.76E+00
SR 93	3.45E+02	5.93E+00	3.28E-02	1.81E-04	9.98E-07	3.05E-11	5.15E-18	8.68E-25	1.47E-31	2.47E-38	4.17E-45
Y 93	4.20E-01	1.36E+01	1.28E+01	1.19E+01	1.12E+01	9.74E+00	7.94E+00	6.48E+00	5.27E+00	4.32E+00	3.51E+00
Y 94	5.18E+01	7.08E+01	9.10E+00	1.17E+00	1.51E-01	2.52E-03	5.39E-06	1.16E-08	2.47E-11	5.39E-14	2.99E-15
Y 95	2.27E+02	2.14E+01	4.70E-01	1.04E-02	2.28E-04	1.11E-07	1.19E-12	1.27E-17	1.35E-22	1.45E-27	1.55E-32
ZR 95	8.51E-04	1.11E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01
NB 95	9.48E-11	6.87E-05	1.60E-04	2.52E-04	3.43E-04	5.26E-04	7.99E-04	1.07E-03	1.34E-03	1.62E-03	1.88E-03
ZR 97	2.25E+00	9.79E+00	9.36E+00	9.02E+00	8.63E+00	7.97E+00	7.04E+00	6.23E+00	5.53E+00	4.88E+00	4.33E+00
NB 97M	1.16E-02	9.40E+00	9.02E+00	8.67E+00	8.32E+00	7.66E+00	6.77E+00	6.00E+00	5.30E+00	4.68E+00	4.14E+00
NB 97	1.13E+00	4.91E+00	6.93E+00	7.89E+00	8.28E+00	8.24E+00	7.51E+00	6.69E+00	5.92E+00	5.22E+00	4.64E+00
NB 98	1.28E+01	5.68E+00	2.51E+00	1.11E+00	4.92E-01	9.63E-02	8.32E-03	7.19E-04	6.26E-05	5.42E-06	4.67E-07
MO 99	6.83E-03	2.82E+00	2.79E+00	2.76E+00	2.73E+00	2.68E+00	2.60E+00	2.52E+00	2.44E+00	2.37E+00	2.29E+00
TC 99M	6.35E-08	2.69E-01	5.05E-01	7.14E-01	8.96E-01	1.20E+00	1.52E+00	1.72E+00	1.85E+00	1.92E+00	1.95E+00
MO101	1.07E+02	4.85E+01	2.81E+00	1.63E-01	9.47E-03	3.17E-05	6.16E-09	1.20E-12	2.33E-16	4.53E-20	8.83E-24
TC101	4.53E+00	1.36E+02	1.49E+01	1.22E+00	8.88E-02	4.00E-04	1.00E-07	2.24E-11	4.76E-15	9.78E-19	1.98E-22
MO102	9.97E+02	2.27E+01	5.17E-01	1.18E-02	2.70E-04	1.40E-07	1.67E-12	1.97E-17	2.34E-22	2.78E-27	3.30E-32
TC102M	6.41E-01	1.92E+01	4.41E-01	1.01E-02	2.29E-04	1.19E-07	1.41E-12	1.67E-17	1.98E-22	2.35E-27	2.79E-32
TC102	3.00E+03	1.14E+01	2.61E-01	5.93E-03	1.36E-04	7.07E-08	8.40E-13	9.97E-18	1.18E-22	1.40E-27	1.66E-32
RU103	7.95E-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
RH103M	5.30E-09	9.53E-02	1.41E-01	1.64E-01	1.74E-01	1.81E-01	1.83E-01	1.83E-01	1.82E-01	1.82E-01	1.82E-01
TC104	6.36E+01	4.57E+01	4.57E+00	4.52E-01	4.47E-02	4.41E-04	4.30E-07	4.21E-10	4.11E-13	4.01E-16	3.92E-19
RU105	5.18E-01	1.79E+01	1.53E+01	1.31E+01	1.12E+01	8.21E+00	5.15E+00	3.22E+00	2.01E+00	1.26E+00	7.91E-01
RH105M	3.41E-03	1.80E+01	1.54E+01	1.32E+01	1.12E+01	8.25E+00	5.15E+00	3.23E+00	2.02E+00	1.26E+00	7.91E-01
RH105	5.60E-09	3.65E-01	6.77E-01	9.35E-01	1.15E+00	1.47E+00	1.76E+00	1.89E+00	1.93E+00	1.91E+00	1.86E+00
RU106	4.88E-04	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03
RH106	5.28E-06	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03	9.24E-03
RH107	1.43E-01	1.94E+01	2.94E+00	4.42E-01	6.67E-02	1.52E-03	5.24E-06	1.81E-08	6.22E-11	2.13-146	2.12E-17
PD107M	2.96E-04	3.94E+00	5.95E-01	8.99E-02	1.36E-02	3.09E-04	1.07E-06	3.68E-09	1.26E-11	4.36E-14	1.49E-16

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.62E-02	1.34E+00	1.27E+00	1.21E+00	1.15E+00	1.03E+00	8.90E-01	7.62E-01	6.54E-01	5.60E-01	4.81E-01
AG109M	9.32E-05	1.34E+00	1.27E+00	1.21E+00	1.15E+00	1.04E+00	8.90E-01	7.62E-01	6.54E-01	5.60E-01	4.81E-01
PD111M	1.93E+00	1.70E+00	1.50E+00	1.33E+00	1.17E+00	9.10E-01	6.22E-01	4.27E-01	2.92E-01	2.00E-01	1.37E-01
PD111	6.89E-01	1.24E+00	1.19E+00	1.06E+00	9.38E-01	7.29E-01	5.00E-01	3.43E-01	2.35E-01	1.61E-01	1.10E-01
AG111M	5.47E-03	1.67E+00	1.57E+00	1.41E+00	1.24E+00	9.60E-01	6.56E-01	4.50E-01	3.08E-01	2.12E-01	1.44E-01
AG111	1.95E-09	5.77E-03	1.21E-02	1.78E-02	2.29E-02	3.12E-02	4.01E-02	4.59E-02	4.97E-02	5.21E-02	5.36E-02
PD112	5.79E-01	5.61E-01	5.42E-01	5.24E-01	5.08E-01	4.75E-01	4.31E-01	3.90E-01	3.53E-01	3.20E-01	2.90E-01
AG112	1.74E-05	1.11E-01	1.96E-01	2.63E-01	3.13E-01	3.74E-01	4.11E-01	4.10E-01	3.90E-01	3.64E-01	3.35E-01
AG113	7.01E-03	1.50E+00	1.31E+00	1.15E+00	1.01E+00	7.78E-01	5.27E-01	3.56E-01	2.40E-01	1.62E-01	1.10E-01
AG115	2.59E+00	2.77E+00	3.45E-01	4.32E-02	5.40E-03	8.45E-05	1.65E-07	3.23E-10	6.25E-13	6.21-162	5.75E-16
CD115M	2.12E-08	5.63E-04	6.33E-04	6.41E-04	6.41E-04	6.41E-04	6.39E-04	6.39E-04	6.37E-04	6.35E-04	6.35E-04
CD115	8.18E-06	1.54E-01	1.66E-01	1.65E-01	1.63E-01	1.59E-01	1.53E-01	1.47E-01	1.42E-01	1.36E-01	1.31E-01
IN115M	1.02E-10	1.70E-02	3.78E-02	5.61E-02	7.15E-02	9.53E-02	1.18E-01	1.30E-01	1.35E-01	1.36E-01	1.35E-01
CD117	1.85E-01	3.09E+00	2.32E+00	1.74E+00	1.30E+00	7.30E-01	3.06E-01	1.29E-01	5.43E-02	2.28E-02	9.60E-03
IN117M	8.91E-06	1.07E+00	1.55E+00	1.69E+00	1.63E+00	1.28E+00	7.34E-01	3.76E-01	1.81E-01	8.37E-02	3.78E-02
IN117	3.59E-10	1.96E-01	4.74E-01	6.58E-01	7.34E-01	6.76E-01	4.30E-01	2.30E-01	1.15E-01	5.39E-02	2.48E-02
CD118	1.23E+01	5.26E+00	2.26E+00	9.62E-01	4.12E-01	7.54E-02	5.92E-03	4.62E-04	3.64E-05	2.85E-06	2.23E-07
IN118	8.13E-01	5.26E+00	2.26E+00	9.64E-01	4.12E-01	7.56E-02	5.92E-03	4.64E-04	3.64E-05	2.85E-06	2.23E-07
CD119	3.06E+01	4.78E-01	7.45E-03	1.17E-04	1.82E-06	4.46E-10	1.70E-15	6.49E-21	2.47E-26	9.44E-32	3.61E-37
IN119M	4.62E-02	5.16E+00	5.62E-01	5.67E-02	5.64E-03	5.55E-05	5.42E-08	5.30E-11	5.16E-14	5.05E-17	4.94E-20
IN119	2.28E+00	2.72E-01	3.15E-02	3.20E-03	3.20E-04	3.13E-06	3.06E-09	2.99E-12	2.93E-15	2.86E-18	2.79E-21
SN121	3.79E-03	3.90E-01	3.79E-01	3.70E-01	3.61E-01	3.43E-01	3.16E-01	2.94E-01	2.72E-01	2.52E-01	2.34E-01
SN123M	1.84E+00	3.45E+00	1.22E+00	4.33E-01	1.53E-01	1.91E-02	8.45E-04	3.74E-05	1.65E-06	7.30E-08	3.23E-09
SN123	1.73E-05	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03
SN125	3.92E-02	3.91E-02	3.90E-02	3.88E-02	3.86E-02	3.84E-02	3.81E-02	3.77E-02	3.74E-02	3.70E-02	3.67E-02
SB125	2.35E-04	2.36E-04	2.37E-04	2.38E-04	2.39E-04	2.41E-04	2.45E-04	2.48E-04	2.51E-04	2.55E-04	2.58E-04
SB126	4.73E-03	4.72E-03	4.71E-03	4.70E-03	4.69E-03	4.66E-03	4.63E-03	4.60E-03	4.57E-03	4.54E-03	4.51E-03
SN127	3.92E+00	2.82E+00	2.02E+00	1.46E+00	1.05E+00	5.41E-01	2.01E-01	7.48E-02	2.77E-02	1.03E-02	3.83E-03
SB127	4.57E-02	1.58E-01	1.75E-01	1.86E-01	1.94E-01	2.02E-01	2.05E-01	2.04E-01	2.00E-01	1.96E-01	1.92E-01
TE127	2.58E-02	3.22E-02	3.91E-02	4.64E-02	5.36E-02	6.72E-02	8.61E-02	1.01E-01	1.12E-01	1.21E-01	1.26E-01
SN128	2.03E+01	1.00E+01	4.96E+00	2.45E+00	1.21E+00	2.96E-01	3.57E-02	4.31E-03	5.20E-04	6.30E-05	7.59E-06
SB128M	1.03E-02	1.14E+01	5.92E+00	2.92E+00	1.44E+00	3.53E-01	4.25E-02	5.14E-03	6.19E-04	7.49E-05	9.05E-06
SB128	8.56E-01	8.24E-01	7.76E-01	7.27E-01	6.79E-01	5.82E-01	4.64E-01	3.68E-01	2.92E-01	2.32E-01	1.84E-01
SN129M	1.05E+01	5.22E+00	2.62E+00	1.31E+00	6.55E-01	1.64E-01	2.05E-02	2.56E-03	3.20E-04	4.00E-05	5.00E-06
SN129	6.99E+01	6.86E-01	6.77E-03	6.68E-05	6.55E-07	6.37E-11	6.06E-17	5.80E-23	5.53E-29	5.26E-35	5.04E-41
SB129	3.93E+00	6.59E+00	6.19E+00	5.53E+00	4.87E+00	3.61E+00	2.25E+00	1.39E+00	8.58E-01	5.31E-01	3.27E-01
TE129M	7.43E-08	8.23E-04	1.69E-03	2.49E-03	3.20E-03	4.34E-03	5.49E-03	6.64E-03	6.90E-03	7.08E-03	
TE129	2.83E+00	3.69E+00	4.56E+00	4.73E+00	4.56E+00	3.77E+00	2.51E+00	1.58E+00	9.87E-01	6.11E-01	3.79E-01
SB130M	3.78E-01	7.14E-01	1.88E-03	4.92E-06	1.30E-08	8.95E-14	1.63E-21	2.96E-29	5.38E-37	9.77E-45	1.78E-52
SB130	6.48E+01	1.96E+01	5.58E+00	1.58E+00	4.47E-01	3.60E-02	8.21E-04	1.87E-05	4.27E-07	9.73E-09	2.22E-10

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.81E-02	1.71E-02	1.62E-02	1 53E-02	1.44E-02	1.29E-02	1.09E-02	9.23E-03	7.80E-03	6.61E-03	5.58E-03
SB131	1.46E+02	3.81E+01	6.23E+00	1.02E+00	1.68E-01	4.52E-03	1.99E-05	8.78E-08	3.87E-10	1.71E-12	8.50E-15
TE131M	7.02E-05	3.67E-01	4.19E-01	4.19E-01	4.11E-01	3.93E-01	3.67E-01	3.42E-01	3.19E-01	2.98E-01	2.78E-01
TE131	6.46E+01	7.02E+01	2.29E+01	5.95E+00	1.45E+00	1.36E-01	6.74E-02	6.23E-02	5.81E-02	5.44E-02	5.07E-02
I131	9.39E-03	3.25E-01	4.79E-01	5.25E-01	5.34E-01	5.39E-01	5.39E-01	5.34E-01	5.34E-01	5.30E-01	5.30E-01
TE132	7.59E-01	1.85E+00	1.83E+00	1.81E+00	1.79E+00	1.76E+00	1.72E+00	1.67E+00	1.63E+00	1.58E+00	1.54E+00
I132	1.86E+00	1.86E+00	1.85E+00	1.85E+00	1.83E+00	1.81E+00	1.77E+00	1.72E+00	1.68E+00	1.63E+00	1.59E+00
TE133M	8.84E-02	3.07E+01	1.34E+01	5.81E+00	2.53E+00	4.80E-01	3.95E-02	3.26E-03	2.69E-04	2.22E-05	1.83E-06
TE133	4.97E+02	2.82E+01	3.13E+00	1.04E+00	4.38E-01	8.30E-02	6.86E-03	5.64E-04	4.67E-05	3.85E-06	3.17E-07
I133	7.71E-01	8.30E+00	8.97E+00	8.97E+00	8.80E+00	8.34E+00	7.58E+00	6.86E+00	6.19E+00	5.64E+00	5.10E+00
XE133M	3.28E-08	1.87E-03	4.51E-03	7.20E-03	9.81E-03	1.47E-02	2.14E-02	2.71E-02	3.19E-02	3.61E-02	3.95E-02
XE133	5.73E-07	3.26E-02	7.92E-02	1.26E-01	1.74E-01	2.63E-01	3.85E-01	4.93E-01	5.90E-01	6.74E-01	7.50E-01
TE134	1.55E+02	7.20E+01	2.68E+01	9.96E+00	3.70E+00	5.12E-01	2.62E-02	1.34E-03	6.87E-05	3.53E-06	1.81E-07
I134	7.12E+01	9.51E+01	6.67E+01	3.91E+01	2.10E+01	5.33E+00	5.85E-01	5.98E-02	5.85E-03	5.61E-04	5.33E-05
I135	1.29E+01	2.27E+01	2.05E+01	1.85E+01	1.67E+01	1.35E+01	9.93E+00	7.26E+00	5.34E+00	3.93E+00	2.87E+00
XE135M	1.43E-03	6.56E+00	6.37E+00	5.78E+00	5.19E+00	4.22E+00	3.10E+00	2.27E+00	1.67E+00	1.22E+00	8.97E-01
XE135	1.49E+00	2.94E+00	4.30E+00	5.41E+00	6.30E+00	7.56E+00	8.37E+00	8.41E+00	8.00E+00	7.30E+00	6.52E+00
CS136	1.43E-03	1.42E-03	1.42E-03	1.42E-03	1.42E-03	1.41E-03	1.40E-03	1.39E-03	1.38E-03	1.37E-03	1.36E-03
CS137	5.91E-05	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04
BA137M	1.25E-07	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04
XE138	4.98E+02	4.28E+01	3.72E+00	3.23E-01	2.79E-02	2.10E-04	1.36E-07	8.84E-11	5.75E-14	3.74E-17	2.43E-20
CS138	7.41E+01	1.25E+02	4.32E+01	1.27E+01	3.56E+00	2.71E-01	5.63E-03	1.17E-04	2.43E-06	5.06E-08	1.05E-09
CS139	3.95E+02	1.26E+01	1.58E-01	1.99E-03	2.49E-05	3.91E-09	7.79E-15	1.54E-20	3.05E-26	6.04E-32	1.19E-37
BA139	7.30E+00	8.13E+01	5.02E+01	3.05E+01	1.84E+01	6.76E+00	1.50E+00	3.33E-01	7.41E-02	1.64E-02	3.65E-03
BA140	9.17E-02	5.72E-01	5.72E-01	5.68E-01	5.68E-01	5.64E-01	5.64E-01	5.59E-01	5.55E-01	5.50E-01	5.46E-01
LA140	2.18E-07	9.79E-03	1.94E-02	2.88E-02	3.80E-02	5.59E-02	8.17E-02	1.06E-01	1.28E-01	1.50E-01	1.70E-01
BA141	1.59E+02	4.81E+01	4.77E+00	4.73E-01	4.69E-02	4.66E-04	4.54E-07	4.43E-10	4.32E-13	4.24E-16	4.13E-19
LA141	1.47E+00	3.11E+01	2.90E+01	2.46E+01	2.06E+01	1.45E+01	8.48E+00	4.96E+00	2.92E+00	1.71E+00	1.00E+00
CE141	1.82E-07	2.02E-02	4.73E-02	7.12E-02	9.12E-02	1.22E-01	1.52E-01	1.69E-01	1.79E-01	1.84E-01	1.87E-01
BA142	4.16E+02	1.65E+01	3.77E-01	8.61E-03	1.96E-04	1.02E-07	1.21E-12	1.44E-17	1.70E-22	2.02E-27	2.40E-32
LA142	9.56E+00	6.63E+01	4.37E+01	2.78E+01	1.77E+01	7.16E+00	1.85E+00	4.76E-01	1.23E-01	3.16E-02	8.15E-03
LA143	1.56E+02	3.05E+01	1.56E+00	8.03E-02	4.13E-03	1.08E-05	1.46E-09	1.96E-13	2.65E-17	3.57E-21	4.82E-25
CE143	6.24E-02	3.98E+00	4.13E+00	4.02E+00	3.94E+00	3.80E+00	3.56E+00	3.34E+00	3.14E+00	2.94E+00	2.76E+00
PR143	1.83E-08	6.10E-03	1.47E-02	2.33E-02	3.16E-02	4.78E-02	7.05E-02	9.20E-02	1.12E-01	1.30E-01	1.48E-01
CE144	2.82E-03	2.02E-02	2.02E-02	2.02E-02	2.02E-02	2.02E-02	2.01E-02	2.01E-02	2.01E-02	2.01E-02	2.01E-02
PR144	7.72E-07	1.84E-02	2.00E-02	2.01E-02	2.02E-02	2.02E-02	2.02E-02	2.02E-02	2.01E-02	2.01E-02	2.01E-02
PR145	1.15E-01	1.69E+01	1.50E+01	1.33E+01	1.19E+01	9.43E+00	6.65E+00	4.70E+00	3.33E+00	2.35E+00	1.66E+00
CE146	3.74E+02	1.92E+01	9.82E-01	5.02E-02	2.58E-03	6.81E-06	9.16E-10	1.24E-13	1.66E-17	2.24E-21	3.02E-25
PR146	7.72E+00	6.72E+01	1.52E+01	2.86E+00	5.15E-01	1.62E-02	8.95E-05	4.93E-07	2.73E-09	1.51E-11	8.25E-14
PR147	4.40E+01	1.27E+01	3.98E-01	1.24E-02	3.89E-04	3.79E-07	1.16E-11	3.54E-16	1.08E-20	3.30E-25	1.00E-29

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	1.57E-05	2.96E-01	3.04E-01	3.04E-01	3.03E-01	3.01E-01	2.99E-01	2.97E-01	2.94E-01	2.92E-01	2.90E-01
ND149	2.76E+01	1.88E+01	1.28E+01	8.71E+00	5.89E+00	2.74E+00	8.61E-01	2.72E-01	8.56E-02	2.69E-02	8.50E-03
PM149	3.84E-03	3.00E-01	4.99E-01	6.31E-01	7.15E-01	8.03E-01	8.35E-01	8.19E-01	7.98E-01	7.67E-01	7.41E-01
PM150	3.11E-01	2.41E-01	1.86E-01	1.44E-01	1.11E-01	6.67E-02	3.09E-02	1.43E-02	6.62E-03	3.06E-03	1.42E-03
ND151	1.21E+02	3.78E+00	1.18E-01	3.69E-03	1.15E-04	1.13E-07	3.44E-12	1.05E-16	3.21E-21	9.77E-26	2.99E-30
PM151	7.66E-02	8.96E-01	9.01E-01	8.80E-01	8.58E-01	8.15E-01	7.55E-01	7.01E-01	6.53E-01	6.04E-01	5.61E-01
PM152	1.90E+02	1.86E-01	1.81E-04	1.77E-07	1.73E-10	1.65E-16	1.53E-25	1.43E-34	1.33E-43	1.25E-52	1.16E-61
SM153	2.75E-01	2.71E-01	2.67E-01	2.63E-01	2.59E-01	2.52E-01	2.41E-01	2.30E-01	2.20E-01	2.11E-01	2.02E-01
SM155	1.25E+01	2.05E+00	3.37E-01	5.51E-02	9.03E-03	2.43E-04	1.07E-06	4.72E-09	2.08E-11	9.28E-14	2.28E-16
EU155	9.20E-06	2.62E-04	3.04E-04	3.10E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
SM156	2.41E-01	2.24E-01	2.08E-01	1.93E-01	1.79E-01	1.55E-01	1.24E-01	9.95E-02	7.98E-02	6.39E-02	5.11E-02
EU156	7.05E-04	1.15E-03	1.56E-03	1.94E-03	2.30E-03	2.93E-03	3.73E-03	4.32E-03	4.84E-03	5.22E-03	5.49E-03
EU157	2.76E-02	9.15E-02	8.73E-02	8.34E-02	7.96E-02	7.27E-02	6.35E-02	5.54E-02	4.83E-02	4.20E-02	3.67E-02
EU158	8.71E-01	3.53E-01	1.43E-01	5.78E-02	2.34E-02	3.83E-03	2.55E-04	1.69E-05	1.12E-06	7.46E-08	4.95E-09
EU159	1.21E+00	1.20E-01	1.19E-02	1.18E-03	1.17E-04	1.16E-06	1.13E-09	1.10E-12	1.08E-15	1.05E-18	1.03E-21
GD159	5.19E-03	2.27E-02	2.36E-02	2.29E-02	2.21E-02	2.04E-02	1.82E-02	1.62E-02	1.44E-02	1.29E-02	1.15E-02
TB161	9.40E-05	6.76E-04	6.71E-04	6.69E-04	6.67E-04	6.60E-04	6.54E-04	6.45E-04	6.36E-04	6.29E-04	6.20E-04
TOTAL	1.26E+04	2.50E+03	8.98E+02	5.42E+02	4.11E+02	2.97E+02	2.20E+02	1.76E+02	1.47E+02	1.26E+02	1.09E+02

1

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.70E-04	3.65E-04	3.60E-04	3.47E-04	3.25E-04	2.85E-04	2.51E-04	1.93E-04	1.01E-04	2.74E-05	7.45E-06
NA 24	5.90E-01	1.95E-01	6.43E-02	2.30E-03	9.02E-06	1.38E-10	2.10E-15	4.89E-25	0.	0.	0.
MN 54	2.51E-04	2.48E-04	2.48E-04	2.44E-04	2.42E-04	2.37E-04	2.33E-04	2.22E-04	1.98E-04	1.57E-04	1.25E-04
FE 55	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.06E-03	1.06E-03	1.05E-03	1.03E-03	9.93E-04	9.26E-04	8.59E-04
FE 59	4.65E-04	4.58E-04	4.51E-04	4.30E-04	3.98E-04	3.42E-04	2.93E-04	2.15E-04	9.99E-05	2.13E-05	4.58E-06
CO 57	1.03E-04	1.03E-04	1.02E-04	1.02E-04	1.00E-04	9.74E-05	9.52E-05	9.06E-05	7.99E-05	6.17E-05	4.78E-05
CO 58	5.68E-04	5.63E-04	5.57E-04	5.40E-04	5.16E-04	4.68E-04	4.24E-04	3.49E-04	2.15E-04	8.14E-05	3.07E-05
CO 60	5.73E-05	5.73E-05	5.73E-05	5.73E-05	5.69E-05	5.69E-05	5.66E-05	5.62E-05	5.49E-05	5.32E-05	5.12E-05
CU 64	7.08E-01	1.93E-01	5.25E-02	1.07E-03	1.60E-06	3.64E-12	8.25E-18	4.24E-29	0.	0.	0.
CU 67	8.47E-02	6.45E-02	4.93E-02	2.19E-02	5.71E-03	3.85E-04	2.60E-05	1.18E-07	1.65E-13	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	3.85E-05	3.81E-05	3.75E-05	3.68E-05	3.52E-05	3.20E-05	2.92E-05	2.43E-05	1.53E-05	6.08E-06	2.42E-06
W187	2.45E-03	1.22E-03	6.05E-04	7.55E-05	2.32E-06	2.21E-09	2.09E-12	1.88E-20	0.	0.	0.
W188	1.36E-06	1.34E-06	1.33E-06	1.29E-06	1.23E-06	1.11E-06	1.00E-06	8.23E-07	4.99E-07	1.84E-07	6.77E-08
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	7.74E-04	5.61E-04	2.15E-04	4.36E-05	1.79E-06	7.36E-08	1.24E-10	1.44E-17	0.	0.	0.
U237	4.11E+00	3.71E+00	3.34E+00	2.46E+00	1.47E+00	5.27E-01	1.89E-01	2.41E-02	1.43E-04	1.53E-08	1.03E-08
U240	2.72E+01	8.39E+00	2.57E+00	7.46E-02	2.05E-04	1.54E-09	1.16E-14	6.53E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	1.33E-02	2.03E+01	1.51E+01	6.25E+00	1.43E+00	7.48E-02	3.91E-03	1.07E-05	4.22E-12	1.01E-21	1.01E-21
NP240M	4.31E-02	8.44E+00	2.59E+00	7.51E-02	2.06E-04	1.55E-09	1.17E-14	6.59E-25	0.	0.	0.
AM241	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09	8.87E-09
CM242	4.04E-07	4.02E-07	3.99E-07	3.95E-07	3.87E-07	3.70E-07	3.56E-07	3.26E-07	2.66E-07	1.73E-07	1.13E-07
GE 77	1.14E-02	7.20E-03	1.65E-03	1.99E-05	1.27E-08	5.13E-15	2.07E-21	3.38E-34	0.	0.	0.
AS 77	1.18E-04	1.75E-02	1.26E-02	3.65E-03	4.28E-04	5.80E-06	7.88E-08	1.45E-11	6.73E-21	1.44E-39	3.10E-58
SE 77M	4.66E-09	5.25E-05	3.78E-05	1.10E-05	1.28E-06	1.74E-08	2.36E-10	4.36E-14	2.02E-23	4.32E-42	9.32E-61
AS 78	2.19E-02	1.95E-04	5.72E-09	4.83E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	4.26E-04	2.66E-04	1.66E-04	4.03E-05	3.82E-06	3.44E-08	3.08E-10	2.49E-14	1.45E-24	4.99E-45	1.70E-65
BR 83	3.26E-01	8.58E-03	8.62E-06	8.76E-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	3.20E-03	1.83E-01	4.16E-03	4.94E-08	3.04E-16	1.16E-32	4.39E-49	0.	0.	0.	0.
KR 85	3.31E-06	8.69E-05	8.86E-05	8.86E-05	8.86E-05	8.86E-05	8.86E-05	8.81E-05	8.73E-05	8.56E-05	8.43E-05
KR 87	4.10E+01	8.09E-05	1.60E-10	1.24E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	2.44E+01	6.42E-02	1.68E-04	3.06E-12	3.85E-25	0.	0.	0.	0.	0.	0.
RB 88	6.20E+00	7.16E-02	1.89E-04	3.42E-12	4.29E-25	0.	0.	0.	0.	0.	0.
SR 89	2.32E-06	6.95E-02	6.85E-02	6.57E-02	6.17E-02	5.39E-02	4.71E-02	3.63E-02	1.85E-02	4.88E-03	1.29E-03
SR 90	4.37E-06	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.45E-04	4.45E-04	4.41E-04
Y 90	6.48E-12	1.03E-04	1.82E-04	3.27E-04	4.17E-04	4.45E-04	4.49E-04	4.49E-04	4.45E-04	4.45E-04	4.41E-04
SR 91	6.01E-01	2.15E+00	3.85E-01	2.21E-03	4.04E-07	1.37E-14	4.65E-22	5.29E-37	0.	0.	0.

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	4.04E-05	1.39E+00	2.49E-01	1.43E-03	2.62E-07	8.84E-15	2.99E-22	3.42E-37	0.	0.	0.
Y 91	1.65E-08	6.61E-02	7.82E-02	7.82E-02	7.37E-02	6.54E-02	5.82E-02	4.61E-02	2.55E-02	7.86E-03	2.41E-03
SR 92	7.98E+00	9.95E-02	2.14E-04	2.16E-12	1.01E-25	0.	0.	0.	0.	0.	0.
Y 92	3.68E-01	1.04E+00	1.16E-02	8.91E-09	5.20E-19	1.78E-39	6.09E-60	0.	0.	0.	0.
Y 93	4.20E-01	2.84E+00	5.54E-01	4.17E-03	1.20E-06	9.90E-14	8.17E-21	5.58E-35	0.	0.	0.
ZR 95	8.51E-04	1.06E-01	1.05E-01	1.02E-01	9.67E-02	8.66E-02	7.80E-02	6.31E-02	3.70E-02	1.27E-02	4.37E-03
NB 95M	1.81E-11	3.60E-04	6.57E-04	1.25E-03	1.69E-03	1.78E-03	1.65E-03	1.34E-03	7.84E-04	2.70E-04	9.29E-05
NB 95	9.48E-11	2.06E-03	4.07E-03	9.74E-03	1.81E-02	3.12E-02	4.03E-02	5.00E-02	4.81E-02	2.31E-02	8.88E-03
ZR 97	2.25E+00	3.83E+00	1.44E+00	7.62E-02	5.73E-04	3.22E-08	1.81E-12	5.73E-21	3.23E-42	0.	0.
NB 97M	1.16E-02	3.68E+00	1.38E+00	7.35E-02	5.49E-04	3.10E-08	1.74E-12	5.49E-21	3.11E-42	0.	0.
NB 97	1.13E+00	3.84E+00	1.44E+00	7.66E-02	5.77E-04	3.47E-08	1.95E-12	6.19E-21	3.48E-42	0.	0.
MO 99	6.83E-03	2.22E+00	1.74E+00	8.22E-01	2.38E-01	1.99E-02	1.66E-03	1.16E-05	4.70E-11	7.75E-22	1.27E-32
TC 99M	6.35E-08	1.95E+00	1.64E+00	7.88E-01	2.27E-01	1.90E-02	1.58E-03	1.11E-05	4.48E-11	7.40E-22	1.22E-32
RU103	7.95E-05	1.81E-01	1.78E-01	1.69E-01	1.55E-01	1.30E-01	1.09E-01	7.69E-02	3.20E-02	5.55E-03	9.68E-04
RH103M	5.30E-09	1.81E-01	1.78E-01	1.69E-01	1.55E-01	1.30E-01	1.09E-01	7.69E-02	3.20E-02	5.55E-03	9.68E-04
RU105	5.18E-01	4.96E-01	1.17E-02	1.53E-07	1.12E-15	5.98E-32	3.21E-48	0.	0.	0.	0.
RH105M	3.41E-03	4.96E-01	1.17E-02	1.54E-07	1.12E-15	6.02E-32	3.21E-48	0.	0.	0.	0.
RH105	5.60E-09	1.79E+00	1.17E+00	2.91E-01	2.87E-02	2.79E-04	2.71E-06	2.56E-10	2.22E-20	1.67E-40	1.25E-60
RU106	4.88E-04	9.24E-03	9.20E-03	9.16E-03	9.08E-03	8.92E-03	8.72E-03	8.40E-03	7.64E-03	6.32E-03	5.24E-03
RH106	5.28E-06	9.24E-03	9.20E-03	9.16E-03	9.08E-03	8.92E-03	8.72E-03	8.40E-03	7.64E-03	6.32E-03	5.24E-03
PD109	1.62E-02	4.12E-01	1.20E-01	2.97E-03	6.26E-06	2.79E-11	1.24E-16	2.46E-27	0.	0.	0.
AG109M	9.32E-05	4.12E-01	1.20E-01	2.98E-03	6.29E-06	2.80E-11	1.24E-16	2.46E-27	0.	0.	0.
PD111M	1.93E+00	9.38E-02	4.56E-03	5.23E-07	1.41E-13	1.03E-26	7.58E-40	0.	0.	0.	0.
PD111	6.89E-01	7.58E-02	3.67E-03	4.21E-07	1.14E-13	8.30E-27	6.09E-40	0.	0.	0.	0.
AG111M	5.47E-03	9.89E-02	4.81E-03	5.54E-07	1.49E-13	1.10E-26	8.01E-40	0.	0.	0.	0.
AG111	1.95E-09	5.38E-02	5.17E-02	3.93E-02	2.48E-02	9.82E-03	3.90E-03	6.14E-04	6.04E-06	5.85E-10	5.67E-14
PD112	5.79E-01	2.63E-01	1.19E-01	1.11E-02	2.10E-04	7.63E-08	2.77E-11	3.64E-18	2.30E-35	0.	0.
AG112	1.74E-05	3.05E-01	1.40E-01	1.30E-02	2.49E-04	9.00E-08	3.27E-11	4.31E-18	2.70E-35	0.	0.
AG113	7.01E-03	7.41E-02	3.20E-03	2.60E-07	3.98E-14	9.32E-28	2.18E-41	0.	0.	0.	0.
CD115M	2.12E-08	6.12E-04	6.02E-04	5.73E-04	5.30E-04	4.50E-04	3.84E-04	2.77E-04	1.24E-04	2.47E-05	4.93E-06
CD115	8.18E-06	1.23E-01	9.02E-02	3.55E-02	7.50E-03	3.35E-04	1.49E-05	2.98E-08	5.26E-15	1.65E-28	5.16E-42
IN115M	1.02E-10	1.30E-01	9.84E-02	3.88E-02	8.18E-03	3.66E-04	1.63E-05	3.25E-08	5.75E-15	1.80E-28	5.63E-42
CD117	1.85E-01	4.04E-03	3.93E-06	3.67E-15	3.26E-30	0.	0.	0.	0.	0.	0.
IN117M	8.91E-06	1.68E-02	1.94E-05	1.87E-14	1.66E-29	0.	0.	0.	0.	0.	0.
IN117	3.59E-10	1.11E-02	1.31E-05	1.27E-14	1.13E-29	0.	0.	0.	0.	0.	0.
SN121	3.79E-03	2.16E-01	1.16E-01	1.83E-02	8.42E-04	1.78E-06	3.74E-09	1.67E-14	6.97E-28	0.	0.
SN123	1.73E-05	1.81E-03	1.80E-03	1.77E-03	1.72E-03	1.62E-03	1.54E-03	1.38E-03	1.04E-03	6.00E-04	3.45E-04
SN125	3.92E-02	3.64E-02	3.38E-02	2.71E-02	1.87E-02	8.97E-03	4.28E-03	9.80E-04	2.45E-05	1.54E-08	9.67E-12
SB125	2.35E-04	2.61E-04	2.85E-04	3.49E-04	4.27E-04	5.17E-04	5.57E-04	5.81E-04	5.69E-04	5.32E-04	4.96E-04
SB126	4.73E-03	4.48E-03	4.24E-03	3.59E-03	2.72E-03	1.56E-03	8.98E-04	2.96E-04	1.85E-05	8.98E-08	1.80E-08

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	3.92E+00	1.42E-03	5.16E-07	2.46E-17	1.55E-34	0.	0.	0.	0.	0.	0.
SB127	4.57E-02	1.88E-01	1.57E-01	9.18E-02	3.76E-02	6.28E-03	1.05E-03	2.93E-05	3.83E-09	6.54E-17	1.11E-24
TE127M	3.70E-10	2.87E-04	5.25E-04	1.02E-03	1.41E-03	1.55E-03	1.50E-03	1.33E-03	9.68E-04	5.11E-04	2.70E-04
TE127	2.58E-02	1.34E-01	1.32E-01	8.04E-02	3.40E-02	6.98E-03	2.39E-03	1.34E-03	9.55E-04	5.05E-04	2.67E-04
SB128	8.56E-01	1.46E-01	2.31E-02	8.99E-05	8.73E-09	8.19E-17	7.70E-25	6.79E-41	0.	0.	0.
SB129	3.93E+00	2.01E-01	4.20E-03	3.83E-08	1.52E-16	2.40E-33	3.79E-50	0.	0.	0.	0.
TE129M	7.43E-08	7.83E-03	7.83E-03	7.39E-03	6.68E-03	5.44E-03	4.42E-03	2.95E-03	1.06E-03	1.38E-04	1.80E-05
TE129	2.83E+00	2.36E-01	9.82E-03	4.73E-03	4.27E-03	3.48E-03	2.84E-03	1.89E-03	6.81E-04	8.89E-05	1.15E-05
I130	1.81E-02	4.72E-03	1.24E-03	2.21E-05	2.70E-08	4.02E-14	5.99E-20	1.33E-31	0.	0.	0.
TE131M	7.02E-05	2.45E-01	1.41E-01	2.67E-02	1.67E-03	6.51E-06	2.55E-08	3.88E-13	3.53E-25	0.	0.
TE131	6.46E+01	4.48E-02	2.57E-02	4.88E-03	3.04E-04	1.19E-06	4.64E-09	7.11E-14	6.46E-26	0.	0.
I131	9.39E-03	5.07E-01	4.79E-01	3.85E-01	2.53E-01	1.07E-01	4.53E-02	8.09E-03	1.09E-04	1.99E-08	3.62E-12
XE131M	2.55E-11	2.35E-04	4.46E-04	9.29E-04	1.33E-03	1.32E-03	9.76E-04	4.03E-04	2.69E-05	8.04E-08	2.27E-10
TE132	7.59E-01	1.50E+00	1.21E+00	6.40E-01	2.20E-01	2.61E-02	3.10E-03	4.35E-05	1.02E-09	5.57E-19	3.04E-28
I132	1.86E+00	1.55E+00	1.25E+00	6.58E-01	2.27E-01	2.69E-02	3.19E-03	4.48E-05	1.05E-09	5.71E-19	3.13E-28
I133	7.71E-01	4.30E+00	1.94E+00	1.80E-01	3.43E-03	1.24E-06	4.51E-10	5.94E-17	3.73E-34	0.	0.
XE133M	3.28E-08	4.06E-02	4.80E-02	2.82E-02	6.61E-03	3.10E-04	1.44E-05	3.13E-08	6.86E-15	3.28E-28	1.57E-41
XE133	5.73E-07	7.79E-01	1.04E+00	9.35E-01	5.10E-01	1.38E-01	3.70E-02	2.67E-03	3.71E-06	7.20E-12	1.40E-17
I135	1.29E+01	2.10E+00	1.76E-01	1.02E-04	4.15E-10	6.85E-21	1.13E-31	3.06E-53	0.	0.	0.
XE135M	1.43E-03	6.56E-01	5.48E-02	3.19E-05	1.30E-10	2.13E-21	3.52E-32	9.56E-54	0.	0.	0.
XE135	1.49E+00	5.67E+00	1.39E+00	7.93E-03	9.71E-07	1.36E-14	1.91E-22	3.78E-38	0.	0.	0.
CS136	1.43E-03	1.35E-03	1.28E-03	1.09E-03	8.39E-04	4.92E-04	2.90E-04	9.94E-05	6.91E-06	3.33E-08	1.61E-10
CS137	5.91E-05	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.37E-04	6.33E-04	6.30E-04	6.26E-04
BA137M	1.25E-07	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.91E-04	5.87E-04	5.84E-04
BA139	7.30E+00	7.79E-04	4.60E-09	9.46E-25	0.	0.	0.	0.	0.	0.	0.
BA140	9.17E-02	5.42E-01	5.15E-01	4.37E-01	3.33E-01	1.94E-01	1.13E-01	3.82E-02	2.55E-03	1.14E-05	5.02E-08
LA140	2.18E-07	1.89E-01	3.04E-01	4.20E-01	3.73E-01	2.23E-01	1.30E-01	4.41E-02	2.93E-03	1.31E-05	5.81E-08
LA141	1.47E+00	5.83E-01	8.18E-03	2.26E-08	1.24E-17	3.69E-36	1.10E-54	0.	0.	0.	0.
CE141	1.82E-07	2.01E-01	2.00E-01	1.88E-01	1.68E-01	1.36E-01	1.10E-01	7.15E-02	2.46E-02	2.89E-03	3.41E-04
LA142	9.56E+00	2.10E-03	4.06E-08	2.98E-22	0.	0.	0.	0.	0.	0.	0.
CE143	6.24E-02	2.57E+00	1.55E+00	3.42E-01	2.75E-02	1.78E-04	1.15E-06	4.82E-11	5.44E-22	0.	0.
PR143	1.83E-08	1.64E-01	2.56E-01	3.30E-01	2.83E-01	1.72E-01	1.04E-01	3.76E-02	3.01E-03	1.91E-05	1.21E-07
CE144	2.82E-03	2.01E-02	2.00E-02	1.99E-02	1.97E-02	1.92E-02	1.87E-02	1.79E-02	1.58E-02	1.24E-02	9.71E-03
PR144	7.72E-07	2.01E-02	2.00E-02	1.99E-02	1.97E-02	1.92E-02	1.87E-02	1.79E-02	1.58E-02	1.24E-02	9.71E-03
PR145	1.15E-01	1.17E+00	7.26E-02	1.72E-05	1.57E-11	1.30E-23	1.08E-35	0.	0.	0.	0.
ND147	1.57E-05	2.64E-01	2.48E-01	2.06E-01	1.51E-01	8.09E-02	4.32E-02	1.24E-02	5.44E-04	1.06E-06	2.05E-09
PM147	4.36E-14	1.98E-04	3.83E-04	8.74E-04	1.51E-03	2.31E-03	2.72E-03	3.04E-03	3.06E-03	2.85E-03	2.65E-03
ND149	2.76E+01	2.67E-03	2.59E-07	2.36E-19	2.01E-39	0.	0.	0.	0.	0.	0.
PM149	3.84E-03	7.09E-01	5.20E-01	2.03E-01	4.24E-02	1.85E-03	8.03E-05	1.53E-07	2.41E-14	5.95E-28	1.48E-41
PM150	3.11E-01	6.57E-04	1.38E-06	1.30E-14	5.44E-28	0.	0.	0.	0.	0.	0.

TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 1.000
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	7.66E-02	5.22E-01	2.88E-01	4.85E-02	2.49E-03	6.53E-06	1.72E-08	1.19E-13	1.49E-26	0.	0.
SM153	2.75E-01	1.93E-01	1.36E-01	4.68E-02	7.96E-03	2.32E-04	6.73E-06	5.65E-09	1.17E-16	4.97E-32	2.11E-47
SM156	2.41E-01	4.11E-02	7.01E-03	3.45E-05	4.97E-09	1.02E-16	2.11E-24	8.98E-40	0.	0.	0.
EU155	9.20E-06	3.11E-04	3.11E-04	3.11E-04	3.10E-04	3.09E-04	3.08E-04	3.05E-04	2.99E-04	2.87E-04	2.76E-04
EU156	7.05E-04	5.73E-03	6.36E-03	5.70E-03	4.53E-03	2.84E-03	1.79E-03	7.12E-04	7.05E-05	6.94E-07	6.84E-09
EU157	2.76E-02	3.19E-02	1.07E-02	4.02E-04	1.69E-06	2.98E-11	5.27E-16	1.64E-25	0.	0.	0.
GD159	5.19E-03	1.02E-02	4.06E-03	2.53E-04	2.49E-06	2.42E-10	2.34E-14	2.20E-22	1.88E-42	0.	0.
TB161	9.40E-05	6.14E-04	5.54E-04	4.10E-04	2.48E-04	9.09E-05	3.32E-05	4.45E-06	2.95E-08	1.27E-12	5.54E-17
TOTAL	2.63E+02	9.61E+01	4.77E+01	1.72E+01	6.80E+00	2.36E+00	1.32E+00	6.63E-01	2.88E-01	1.09E-01	5.69E-02

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WAS NOT PROVIDED

RELAXATION LENGTH = 0.10 GM/SQCM

TIME		MR/HR	MICROCURIES/SQ METER
ZERO TIME	HOURS	1.09E+02	1.26E+04
1.00E+00		3.25E+01	2.48E+03
2.00E+00		1.27E+01	9.13E+02
3.00E+00		6.75E+00	5.45E+02
4.00E+00		4.22E+00	4.02E+02
6.00E+00		2.24E+00	2.79E+02
9.00E+00		1.35E+00	1.99E+02
1.20E+01		1.00E+00	1.57E+02
1.50E+01		7.93E-01	1.29E+02
1.80E+01		6.53E-01	1.09E+02
2.10E+01		5.51E-01	9.39E+01
1.00E+00	DAYS	4.68E-01	8.16E+01
2.00E+00		2.14E-01	3.92E+01
5.00E+00		8.29E-02	1.44E+01
1.00E+01		3.81E-02	6.06E+00
2.00E+01		1.49E-02	2.26E+00
3.00E+01		8.36E-03	1.30E+00
5.00E+01		3.74E-03	6.66E-01
1.00E+02		1.22E-03	2.80E-01
2.00E+02		4.01E-04	9.85E-02
3.00E+02		1.61E-04	5.01E-02
1.00E+00	YEARS	9.80E-05	3.71E-02
1.50E+00		3.85E-05	2.21E-02
2.00E+00		2.55E-05	1.58E-02
3.50E+00		1.47E-05	7.52E-03
5.00E+00		1.07E-05	4.68E-03
7.00E+00		8.53E-06	3.32E-03
1.00E+01		7.08E-06	2.61E-03
2.00E+01		5.04E-06	1.81E-03
3.50E+01		3.49E-06	1.24E-03
5.00E+01		2.46E-06	8.63E-04

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WAS NOT PROVIDED

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	9.92E-02	1.71E+01	4.63E+00	1.25E+00	3.38E-01	2.48E-02	4.89E-04	9.66E-06	1.91E-07	3.78E-09	7.47E-11
KR 85M	4.22E-03	9.04E+00	7.69E+00	6.57E+00	5.61E+00	4.10E+00	2.55E+00	1.59E+00	9.94E-01	6.18E-01	3.86E-01
KR 87	5.40E+01	3.12E+01	1.81E+01	1.04E+01	6.02E+00	2.02E+00	3.91E-01	7.58E-02	1.47E-02	2.84E-03	5.50E-04
KR 88	3.22E+01	2.51E+01	1.96E+01	1.53E+01	1.20E+01	7.26E+00	3.46E+00	1.65E+00	7.84E-01	3.74E-01	1.78E-01
RB 88	8.18E+00	2.54E+01	2.17E+01	1.71E+01	1.34E+01	8.13E+00	3.88E+00	1.85E+00	8.81E-01	4.19E-01	1.99E-01
RB 89	3.99E+01	3.75E+01	2.52E+00	1.69E-01	1.13E-02	5.14E-05	1.55E-08	4.69E-12	1.43E-15	4.33E-19	1.31E-22
SR 89	3.06E-06	1.07E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.13E-01	1.13E-01
SR 90	5.76E-06	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04
SR 91	6.93E-01	1.29E+01	1.20E+01	1.12E+01	1.04E+01	9.02E+00	7.28E+00	5.88E+00	4.75E+00	3.81E+00	3.08E+00
Y 91M	4.66E-05	4.45E+00	6.06E+00	6.49E+00	6.41E+00	5.75E+00	4.71E+00	3.79E+00	3.06E+00	2.46E+00	1.99E+00
Y 91	1.91E-08	3.95E-03	9.11E-03	1.46E-02	1.99E-02	2.98E-02	4.23E-02	5.23E-02	6.06E-02	6.71E-02	7.24E-02
SR 92	5.26E+00	2.35E+01	1.82E+01	1.41E+01	1.09E+01	6.53E+00	3.03E+00	1.41E+00	6.53E-01	3.03E-01	1.41E-01
Y 92	2.42E-01	4.94E+00	7.75E+00	9.22E+00	9.79E+00	9.32E+00	7.14E+00	4.87E+00	3.13E+00	1.93E+00	1.16E+00
SR 93	2.27E+02	3.91E+00	2.16E-02	1.19E-04	6.58E-07	2.01E-11	3.39E-18	5.72E-25	9.66E-32	1.63E-38	2.75E-45
Y 93	2.77E-01	8.96E+00	8.42E+00	7.87E+00	7.36E+00	6.42E+00	5.23E+00	4.27E+00	3.47E+00	2.85E+00	2.32E+00
Y 94	3.41E+01	4.66E+01	6.00E+00	7.74E-01	9.98E-02	1.66E-03	3.56E-06	7.62E-09	1.63E-11	3.56E-14	1.97E-15
Y 95	1.49E+02	1.41E+01	3.10E-01	6.84E-03	1.51E-04	7.31E-08	7.82E-13	8.37E-18	8.93E-23	9.55E-28	1.02E-32
ZR 95	5.61E-04	7.33E-02	7.48E-02	7.48E-02	7.48E-02	7.48E-02	7.48E-02	7.46E-02	7.46E-02	7.43E-02	7.43E-02
NB 95	6.25E-11	4.53E-05	1.06E-04	1.66E-04	2.26E-04	3.47E-04	5.27E-04	7.09E-04	8.86E-04	1.07E-03	1.24E-03
ZR 97	1.48E+00	6.45E+00	6.17E+00	5.94E+00	5.69E+00	5.25E+00	4.64E+00	4.11E+00	3.65E+00	3.21E+00	2.86E+00
NB 97M	7.63E-03	6.20E+00	5.94E+00	5.71E+00	5.48E+00	5.05E+00	4.46E+00	3.95E+00	3.49E+00	3.09E+00	2.73E+00
NB 97	7.42E-01	3.24E+00	4.57E+00	5.20E+00	5.46E+00	5.43E+00	4.95E+00	4.41E+00	3.90E+00	3.44E+00	3.06E+00
NB 98	8.45E+00	3.74E+00	1.65E+00	7.32E-01	3.24E-01	6.35E-02	5.49E-03	4.74E-04	4.13E-05	3.57E-06	3.08E-07
MO 99	4.50E-03	1.86E+00	1.84E+00	1.82E+00	1.80E+00	1.76E+00	1.71E+00	1.66E+00	1.61E+00	1.56E+00	1.51E+00
TC 99M	4.19E-08	1.77E-01	3.33E-01	4.70E-01	5.91E-01	7.89E-01	1.00E+00	1.14E+00	1.22E+00	1.26E+00	1.29E+00
MO101	1.42E+02	6.39E+01	3.71E+00	2.15E-01	1.25E-02	4.18E-05	8.12E-09	1.58E-12	3.08E-16	5.97E-20	1.16E-23
TC101	5.97E+00	1.79E+02	1.96E+01	1.61E+00	1.17E-01	5.28E-04	1.32E-07	2.96E-11	6.27E-15	1.29E-18	2.61E-22
MO102	1.31E+03	3.00E+01	6.82E-01	1.56E-02	3.55E-04	1.85E-07	2.20E-12	2.60E-17	3.09E-22	3.66E-27	4.35E-32
TC102M	8.45E-01	2.53E+01	5.81E-01	1.33E-02	3.02E-04	1.56E-07	1.86E-12	2.20E-17	2.61E-22	3.10E-27	3.68E-32
TC102	3.96E+03	1.51E+01	3.44E-01	7.82E-03	1.79E-04	9.33E-08	1.11E-12	1.31E-17	1.56E-22	1.85E-27	2.19E-32
RU103	1.05E-04	2.43E-01	2.42E-01	2.42E-01	2.42E-01	2.42E-01	2.41E-01	2.41E-01	2.40E-01	2.40E-01	2.39E-01
RH103M	6.99E-09	1.26E-01	1.86E-01	2.16E-01	2.30E-01	2.39E-01	2.41E-01	2.41E-01	2.40E-01	2.40E-01	2.40E-01
TC104	8.38E+01	6.02E+01	6.02E+00	5.96E-01	5.90E-02	5.81E-04	5.67E-07	5.54E-10	5.41E-13	5.29E-16	5.17E-19
RU105	6.84E-01	2.36E+01	2.02E+01	1.73E+01	1.48E+01	1.08E+01	6.79E+00	4.24E+00	2.65E+00	1.66E+00	1.04E+00
RH105M	4.50E-03	2.37E+01	2.03E+01	1.74E+01	1.48E+01	1.09E+01	6.79E+00	4.26E+00	2.66E+00	1.67E+00	1.04E+00
RH105	7.38E-09	4.81E-01	8.93E-01	1.23E+00	1.52E+00	1.94E+00	2.32E+00	2.49E+00	2.54E+00	2.52E+00	2.45E+00
RU106	6.43E-04	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02
RH106	6.96E-06	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02
RH107	1.88E-01	2.55E+01	3.87E+00	5.82E-01	8.79E-02	2.01E-03	6.90E-06	2.38E-08	8.19E-11	2.80-146	2.79E-17
PD107M	3.91E-04	5.20E+00	7.85E-01	1.19E-01	1.79E-02	4.08E-04	1.41E-06	4.85E-09	1.67E-11	5.75E-14	1.96E-16

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	2.13E-02	1.77E+00	1.68E+00	1.59E+00	1.51E+00	1.36E+00	1.17E+00	1.01E+00	8.62E-01	7.38E-01	6.34E-01
AG109M	1.23E-04	1.77E+00	1.68E+00	1.60E+00	1.52E+00	1.37E+00	1.17E+00	1.01E+00	8.62E-01	7.38E-01	6.34E-01
PD111M	2.55E+00	2.25E+00	1.98E+00	1.75E+00	1.54E+00	1.20E+00	8.20E-01	5.62E-01	3.85E-01	2.64E-01	1.81E-01
PD111	9.08E-01	1.64E+00	1.57E+00	1.40E+00	1.24E+00	9.61E-01	6.60E-01	4.52E-01	3.09E-01	2.12E-01	1.46E-01
AG111M	7.21E-03	2.21E+00	2.07E+00	1.86E+00	1.64E+00	1.27E+00	8.65E-01	5.93E-01	4.06E-01	2.79E-01	1.90E-01
AG111	2.57E-09	7.61E-03	1.60E-02	2.35E-02	3.02E-02	4.11E-02	5.28E-02	6.05E-02	6.56E-02	6.87E-02	7.06E-02
PD112	7.63E-01	7.40E-01	7.15E-01	6.91E-01	6.70E-01	6.26E-01	5.68E-01	5.14E-01	4.66E-01	4.21E-01	3.82E-01
AG112	2.30E-05	1.46E-01	2.58E-01	3.47E-01	4.12E-01	4.93E-01	5.42E-01	5.40E-01	5.14E-01	4.80E-01	4.42E-01
AG113	9.24E-03	1.98E+00	1.73E+00	1.52E+00	1.33E+00	1.03E+00	6.95E-01	4.69E-01	3.17E-01	2.14E-01	1.45E-01
AG115	3.41E+00	3.66E+00	4.55E-01	5.69E-02	7.12E-03	1.11E-04	2.18E-07	4.25E-10	8.24E-13	8.18-162	7.59E-16
CD115M	2.79E-08	7.42E-04	8.34E-04	8.45E-04	8.45E-04	8.45E-04	8.42E-04	8.42E-04	8.40E-04	8.37E-04	8.37E-04
CD115	1.08E-05	2.03E-01	2.19E-01	2.18E-01	2.15E-01	2.10E-01	2.02E-01	1.94E-01	1.87E-01	1.80E-01	1.73E-01
IN115M	1.34E-10	2.24E-02	4.98E-02	7.40E-02	9.43E-02	1.26E-01	1.55E-01	1.71E-01	1.78E-01	1.80E-01	1.79E-01
CD117	2.44E-01	4.07E+00	3.07E+00	2.29E+00	1.72E+00	9.63E-01	4.04E-01	1.70E-01	7.16E-02	3.01E-02	1.27E-02
IN117M	1.17E-05	1.42E+00	2.05E+00	2.22E+00	2.15E+00	1.69E+00	9.68E-01	4.96E-01	2.38E-01	1.10E-01	4.98E-02
IN117	4.73E-10	2.58E-01	6.25E-01	8.68E-01	9.68E-01	8.91E-01	5.67E-01	3.04E-01	1.51E-01	7.10E-02	3.27E-02
CD118	1.62E+01	6.93E+00	2.98E+00	1.27E+00	5.43E-01	9.94E-02	7.80E-03	6.09E-04	4.79E-05	3.75E-06	2.95E-07
IN118	1.07E+00	6.93E+00	2.98E+00	1.27E+00	5.43E-01	9.96E-02	7.80E-03	6.12E-04	4.79E-05	3.75E-06	2.95E-07
CD119	4.04E+01	6.30E-01	9.82E-03	1.54E-04	2.40E-06	5.88E-10	2.24E-15	8.56E-21	3.25E-26	1.24E-31	4.76E-37
IN119M	6.09E-02	6.81E+00	7.41E-01	7.47E-02	7.44E-03	7.32E-05	7.14E-08	6.99E-11	6.81E-14	6.66E-17	6.51E-20
IN119	3.00E+00	3.59E-01	4.16E-02	4.22E-03	4.22E-04	4.13E-06	4.04E-09	3.95E-12	3.86E-15	3.77E-18	3.68E-21
SN121	4.99E-03	5.14E-01	4.99E-01	4.87E-01	4.76E-01	4.52E-01	4.17E-01	3.88E-01	3.58E-01	3.32E-01	3.08E-01
SN123M	2.43E+00	4.55E+00	1.61E+00	5.70E-01	2.02E-01	2.52E-02	1.11E-03	4.93E-05	2.18E-06	9.62E-08	4.26E-09
SN123	2.29E-05	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
SN125	5.16E-02	5.15E-02	5.14E-02	5.12E-02	5.09E-02	5.07E-02	5.03E-02	4.97E-02	4.93E-02	4.88E-02	4.84E-02
SB125	3.10E-04	3.11E-04	3.13E-04	3.14E-04	3.15E-04	3.18E-04	3.23E-04	3.28E-04	3.32E-04	3.36E-04	3.40E-04
SB126	6.24E-03	6.22E-03	6.21E-03	6.20E-03	6.18E-03	6.15E-03	6.11E-03	6.07E-03	6.02E-03	5.98E-03	5.94E-03
SN127	5.17E+00	3.71E+00	2.67E+00	1.92E+00	1.38E+00	7.13E-01	2.65E-01	9.86E-02	3.65E-02	1.36E-02	5.05E-03
SB127	6.03E-02	2.08E-01	2.30E-01	2.45E-01	2.56E-01	2.67E-01	2.71E-01	2.68E-01	2.64E-01	2.58E-01	2.54E-01
TE127	3.41E-02	4.24E-02	5.15E-02	6.11E-02	7.07E-02	8.87E-02	1.14E-01	1.33E-01	1.47E-01	1.59E-01	1.67E-01
SN128	2.68E+01	1.32E+01	6.54E+00	3.23E+00	1.60E+00	3.90E-01	4.71E-02	5.68E-03	6.85E-04	8.31E-05	1.00E-05
SB128M	1.36E-02	1.51E+01	7.81E+00	3.86E+00	1.90E+00	4.66E-01	5.61E-02	6.77E-03	8.17E-04	9.87E-05	1.19E-05
SB128	1.13E+00	1.09E+00	1.02E+00	9.59E-01	8.95E-01	7.67E-01	6.12E-01	4.86E-01	3.86E-01	3.06E-01	2.43E-01
SN129M	1.38E+01	6.88E+00	3.45E+00	1.73E+00	8.63E-01	2.16E-01	2.70E-02	3.38E-03	4.22E-04	5.27E-05	6.59E-06
SN129	9.22E+01	9.04E-01	8.92E-03	8.81E-05	8.63E-07	8.40E-11	7.99E-17	7.64E-23	7.29E-29	6.94E-35	6.65E-41
SB129	5.19E+00	8.69E+00	8.17E+00	7.29E+00	6.42E+00	4.77E+00	2.97E+00	1.84E+00	1.13E+00	7.00E-01	4.30E-01
TE129M	9.80E-08	1.08E-03	2.23E-03	3.28E-03	4.22E-03	5.72E-03	7.23E-03	8.17E-03	8.75E-03	9.10E-03	9.33E-03
TE129	3.73E+00	5.13E+00	6.01E+00	6.24E+00	6.01E+00	4.98E+00	3.31E+00	2.09E+00	1.30E+00	8.05E-01	4.99E-01
SB130M	4.99E-01	9.41E-01	2.47E-03	6.49E-06	1.71E-08	1.18E-13	2.15E-21	3.91E-29	7.09E-37	1.29E-44	2.34E-52
SB130	8.55E+01	2.59E+01	7.36E+00	2.08E+00	5.90E-01	4.74E-02	1.08E-03	2.47E-05	5.63E-07	1.28E-08	2.93E-10

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	2.38E-02	2.25E-02	2.13E-02	2.01E-02	1.90E-02	1.70E-02	1.44E-02	1.22E-02	1.03E-02	8.71E-03	7.36E-03
SB131	1.92E+02	5.02E+01	8.21E+00	1.35E+00	2.21E-01	5.95E-03	2.62E-05	1.16E-07	5.10E-10	2.25E-12	1.12E-14
TE131M	9.25E-05	4.84E-01	5.52E-01	5.53E-01	5.42E-01	5.18E-01	4.83E-01	4.51E-01	4.21E-01	3.93E-01	3.66E-01
TE131	8.52E+01	9.25E+01	3.01E+01	7.84E+00	1.91E+00	1.79E-01	8.88E-02	8.21E-02	7.66E-02	7.17E-02	6.68E-02
I131	1.24E-02	4.29E-01	6.31E-01	6.92E-01	7.05E-01	7.11E-01	7.11E-01	7.05E-01	7.05E-01	6.98E-01	6.98E-01
TE132	1.00E+00	2.43E+00	2.41E+00	2.39E+00	2.37E+00	2.32E+00	2.26E+00	2.20E+00	2.15E+00	2.09E+00	2.03E+00
I132	2.46E+00	2.45E+00	2.45E+00	2.43E+00	2.41E+00	2.38E+00	2.33E+00	2.27E+00	2.21E+00	2.15E+00	2.10E+00
TE133M	1.17E-01	4.04E+01	1.76E+01	7.66E+00	3.33E+00	6.33E-01	5.21E-02	4.30E-03	3.54E-04	2.92E-05	2.41E-06
TE133	6.55E+02	3.71E+01	4.13E+00	1.37E+00	5.77E-01	1.09E-01	9.05E-03	7.44E-04	6.16E-05	5.07E-06	4.18E-07
I133	1.02E+00	1.09E+01	1.18E+01	1.18E+01	1.16E+01	1.10E+01	9.99E+00	9.05E+00	8.16E+00	7.44E+00	6.72E+00
XE133M	4.33E-08	2.46E-03	5.94E-03	9.49E-03	1.29E-02	1.94E-02	2.82E-02	3.57E-02	4.21E-02	4.76E-02	5.21E-02
XE133	7.55E-07	4.30E-02	1.04E-01	1.67E-01	2.29E-01	3.46E-01	5.08E-01	6.50E-01	7.77E-01	8.88E-01	9.88E-01
TE134	2.05E+02	9.49E+01	3.53E+01	1.31E+01	4.87E+00	6.75E-01	3.45E-02	1.77E-03	9.06E-05	4.65E-06	2.39E-07
I134	9.38E+01	1.25E+02	8.79E+01	5.15E+01	2.77E+01	7.02E+00	7.72E-01	7.88E-02	7.72E-03	7.40E-04	7.02E-05
I135	1.70E+01	2.99E+01	2.70E+01	2.43E+01	2.20E+01	1.78E+01	1.31E+01	9.57E+00	7.03E+00	5.18E+00	3.78E+00
XE135M	1.88E-03	8.65E+00	8.40E+00	7.62E+00	6.84E+00	5.57E+00	4.09E+00	2.99E+00	2.20E+00	1.61E+00	1.18E+00
XE135	1.96E+00	3.87E+00	5.67E+00	7.13E+00	8.30E+00	9.97E+00	1.10E+01	1.11E+01	1.06E+01	9.62E+00	8.60E+00
CS136	1.88E-03	1.88E-03	1.88E-03	1.87E-03	1.87E-03	1.86E-03	1.85E-03	1.83E-03	1.82E-03	1.81E-03	1.80E-03
CS137	7.79E-05	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04
BA137M	1.64E-07	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04
XE138	6.56E+02	5.65E+01	4.91E+00	4.25E-01	3.68E-02	2.76E-04	1.80E-07	1.17E-10	7.58E-14	4.92E-17	3.20E-20
CS138	9.77E+01	1.64E+02	5.70E+01	1.67E+01	4.69E+00	3.57E-01	7.43E-03	1.54E-04	3.20E-06	6.66E-08	1.38E-09
CS139	5.21E+02	1.66E+01	2.08E-01	2.62E-03	3.29E-05	5.16E-09	1.03E-14	2.03E-20	4.02E-26	7.97E-32	1.57E-37
BA139	9.62E+00	1.07E+02	6.61E+01	4.02E+01	2.43E+01	8.92E+00	1.98E+00	4.39E-01	9.77E-02	2.16E-02	4.81E-03
BA140	1.03E-01	6.41E-01	6.41E-01	6.36E-01	6.36E-01	6.32E-01	6.32E-01	6.27E-01	6.22E-01	6.17E-01	6.12E-01
LA140	2.44E-07	1.10E-02	2.17E-02	3.23E-02	4.26E-02	6.27E-02	9.15E-02	1.18E-01	1.44E-01	1.68E-01	1.90E-01
BA141	1.39E+02	4.21E+01	4.18E+00	4.15E-01	4.11E-02	4.08E-04	3.98E-07	3.88E-10	3.78E-13	3.72E-16	3.62E-19
LA141	1.29E+00	2.73E+01	2.55E+01	2.16E+01	1.81E+01	1.27E+01	7.43E+00	4.35E+00	2.56E+00	1.50E+00	8.79E-01
CE141	1.59E-07	1.77E-02	4.15E-02	6.24E-02	8.00E-02	1.07E-01	1.33E-01	1.48E-01	1.57E-01	1.62E-01	1.64E-01
BA142	2.74E+02	1.09E+01	2.49E-01	5.67E-03	1.29E-04	6.72E-08	7.98E-13	9.46E-18	1.12E-22	1.33E-27	1.58E-32
LA142	6.30E+00	4.37E+01	2.88E+01	1.83E+01	1.17E+01	4.72E+00	1.22E+00	3.14E-01	8.09E-02	2.08E-02	5.37E-03
LA143	1.03E+02	2.01E+01	1.03E+00	5.30E-02	2.72E-03	7.12E-06	9.60E-10	1.29E-13	1.75E-17	2.35E-21	3.18E-25
CE143	4.12E-02	2.62E+00	2.72E+00	2.65E+00	2.60E+00	2.50E+00	2.34E+00	2.20E+00	2.07E+00	1.94E+00	1.82E+00
PR143	1.20E-08	4.02E-03	9.70E-03	1.53E-02	2.08E-02	3.15E-02	4.65E-02	6.07E-02	7.37E-02	8.59E-02	9.72E-02
CE144	1.86E-03	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02
PR144	5.09E-07	1.21E-02	1.32E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02
PR145	7.57E-02	1.11E+01	9.89E+00	8.80E+00	7.85E+00	6.22E+00	4.38E+00	3.10E+00	2.19E+00	1.55E+00	1.09E+00
CE146	2.46E+02	1.26E+01	6.47E-01	3.31E-02	1.70E-03	4.49E-06	6.04E-10	8.14E-14	1.10E-17	1.48E-21	1.99E-25
PR146	5.09E+00	4.43E+01	1.00E+01	1.89E+00	3.39E-01	1.07E-02	5.90E-05	3.25E-07	1.80E-09	9.95E-12	5.44E-14
PR147	2.90E+01	8.40E+00	2.62E-01	8.18E-03	2.56E-04	2.50E-07	7.63E-12	2.33E-16	7.11E-21	2.17E-25	6.62E-30

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	1.04E-05	1.95E-01	2.00E-01	2.00E-01	2.00E-01	1.99E-01	1.97E-01	1.96E-01	1.94E-01	1.92E-01	1.91E-01
ND149	1.82E+01	1.24E+01	8.42E+00	5.74E+00	3.89E+00	1.81E+00	5.67E-01	1.79E-01	5.64E-02	1.77E-02	5.61E-03
PM149	2.53E-03	1.98E-01	3.29E-01	4.16E-01	4.71E-01	5.30E-01	5.50E-01	5.40E-01	5.26E-01	5.05E-01	4.88E-01
PM150	2.05E-01	1.59E-01	1.23E-01	9.48E-02	7.33E-02	4.40E-02	2.04E-02	9.42E-03	4.37E-03	2.02E-03	9.35E-04
ND151	7.97E+01	2.49E+00	7.79E-02	2.43E-03	7.61E-05	7.43E-08	2.27E-12	6.94E-17	2.11E-21	6.44E-26	1.97E-30
PM151	5.05E-02	5.90E-01	5.94E-01	5.80E-01	5.66E-01	5.37E-01	4.98E-01	4.62E-01	4.30E-01	3.98E-01	3.70E-01
PM152	1.25E+02	1.22E-01	1.19E-04	1.16E-07	1.14E-10	1.09E-16	1.01E-25	9.44E-35	8.79E-44	8.21E-53	7.63E-62
SM153	1.81E-01	1.78E-01	1.76E-01	1.73E-01	1.71E-01	1.66E-01	1.59E-01	1.52E-01	1.45E-01	1.39E-01	1.33E-01
SM155	8.25E+00	1.35E+00	2.22E-01	3.63E-02	5.95E-03	1.60E-04	7.07E-07	3.11E-09	1.37E-11	6.12E-14	1.50E-16
EU155	6.06E-06	1.73E-04	2.00E-04	2.05E-04	2.05E-04	2.05E-04	2.05E-04	2.05E-04	2.05E-04	2.05E-04	2.05E-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	7.58E-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	1.82E-02	6.03E-02	5.76E-02	5.50E-02	5.24E-02	4.79E-02	4.18E-02	3.65E-02	3.18E-02	2.77E-02	2.42E-02
EU158	5.74E-01	2.33E-01	9.40E-02	3.81E-02	1.54E-02	2.52E-03	1.68E-04	1.12E-05	7.41E-07	4.92E-08	3.27E-09
EU159	7.98E-01	7.93E-02	7.86E-03	7.81E-04	7.74E-05	7.63E-07	7.45E-10	7.28E-13	7.10E-16	6.94E-19	6.78E-22
GD159	3.42E-03	1.50E-02	1.56E-02	1.51E-02	1.45E-02	1.35E-02	1.20E-02	1.07E-02	9.52E-03	8.48E-03	7.56E-03
TB161	6.19E-05	4.46E-04	4.43E-04	4.41E-04	4.40E-04	4.35E-04	4.31E-04	4.25E-04	4.19E-04	4.15E-04	4.09E-04
TOTAL	1.26E+04	2.48E+03	9.13E+02	5.45E+02	4.02E+02	2.79E+02	1.99E+02	1.57E+02	1.29E+02	1.09E+02	9.39E+01

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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-04	2.41E-04	2.38E-04	2.29E-04	2.14E-04	1.88E-04	1.65E-04	1.27E-04	6.65E-05	1.81E-05	4.91E-06
NA 24	3.89E-01	1.28E-01	4.24E-02	1.52E-03	5.94E-06	9.08E-11	1.39E-15	3.23E-25	0.	0.	0.
MN 54	1.65E-04	1.64E-04	1.64E-04	1.61E-04	1.59E-04	1.56E-04	1.53E-04	1.46E-04	1.30E-04	1.04E-04	8.27E-05
FE 55	7.06E-04	7.06E-04	7.06E-04	7.02E-04	7.01E-04	6.97E-04	6.90E-04	6.81E-04	6.55E-04	6.11E-04	5.66E-04
FE 59	3.06E-04	3.02E-04	2.97E-04	2.84E-04	2.62E-04	2.25E-04	1.93E-04	1.42E-04	6.58E-05	1.40E-05	3.02E-06
CO 57	6.77E-05	6.77E-05	6.72E-05	6.72E-05	6.62E-05	6.42E-05	6.27E-05	5.97E-05	5.27E-05	4.07E-05	3.15E-05
CO 58	3.75E-04	3.71E-04	3.67E-04	3.56E-04	3.40E-04	3.08E-04	2.80E-04	2.30E-04	1.42E-04	5.36E-05	2.02E-05
CO 60	3.77E-05	3.77E-05	3.77E-05	3.77E-05	3.75E-05	3.75E-05	3.73E-05	3.71E-05	3.62E-05	3.51E-05	3.37E-05
CU 64	4.66E-01	1.27E-01	3.46E-02	7.04E-04	1.06E-06	2.40E-12	5.44E-18	2.80E-29	0.	0.	0.
CU 67	5.58E-02	4.25E-02	3.25E-02	1.45E-02	3.76E-03	2.54E-04	1.71E-05	7.78E-08	1.09E-13	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	5.08E-05	5.03E-05	4.94E-05	4.85E-05	4.64E-05	4.22E-05	3.85E-05	3.20E-05	2.02E-05	8.02E-06	3.18E-06
W187	3.23E-03	1.61E-03	7.98E-04	9.95E-05	3.06E-06	2.92E-09	2.75E-12	2.48E-20	0.	0.	0.
W188	1.79E-06	1.77E-06	1.75E-06	1.70E-06	1.62E-06	1.46E-06	1.32E-06	1.09E-06	6.58E-07	2.43E-07	8.93E-08
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	1.02E-03	7.40E-04	2.84E-04	5.75E-05	2.37E-06	9.70E-08	1.63E-10	1.90E-17	0.	0.	0.
U237	2.71E+00	2.44E+00	2.20E+00	1.62E+00	9.69E-01	3.47E-01	1.25E-01	1.59E-02	9.40E-05	1.01E-08	6.81E-09
U240	1.79E+01	5.53E+00	1.70E+00	4.92E-02	1.35E-04	1.01E-09	7.63E-15	4.31E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	8.78E-03	1.34E+01	9.98E+00	4.12E+00	9.43E-01	4.93E-02	2.58E-03	7.08E-06	2.78E-12	6.65E-22	6.65E-22
NP240M	2.84E-02	5.56E+00	1.71E+00	4.95E-02	1.36E-04	1.02E-09	7.70E-15	4.34E-25	0.	0.	0.
AM241	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09
CM242	2.66E-07	2.65E-07	2.63E-07	2.61E-07	2.55E-07	2.44E-07	2.34E-07	2.15E-07	1.75E-07	1.14E-07	7.44E-08
GE 77	1.51E-02	9.49E-03	2.17E-03	2.62E-05	1.67E-08	6.76E-15	2.73E-21	4.45E-34	0.	0.	0.
AS 77	1.56E-04	2.30E-02	1.66E-02	4.81E-03	5.64E-04	7.65E-06	1.04E-07	1.92E-11	8.88E-21	1.90E-39	4.09E-58
SE 77M	6.14E-09	6.92E-05	4.99E-05	1.45E-05	1.69E-06	2.30E-08	3.12E-10	5.75E-14	2.66E-23	5.70E-42	1.23E-60
AS 78	2.89E-02	2.57E-04	7.54E-09	6.36E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	5.61E-04	3.50E-04	2.19E-04	5.32E-05	5.04E-06	4.53E-08	4.06E-10	3.28E-14	1.92E-24	6.58E-45	2.24E-65
BR 83	4.29E-01	1.13E-02	1.14E-05	1.15E-14	1.18E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.22E-05	4.95E-02	5.62E-05	5.05E-14	5.18E-29	0.	0.	0.	0.	0.	0.
KR 85M	4.22E-03	2.41E-01	5.48E-03	6.51E-08	4.01E-16	1.53E-32	5.78E-49	0.	0.	0.	0.
KR 85	4.36E-06	1.15E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04	1.16E-04	1.15E-04	1.13E-04	1.11E-04
KR 87	5.40E+01	1.07E-04	2.11E-10	1.63E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	3.22E+01	8.47E-02	2.22E-04	4.04E-12	5.08E-25	0.	0.	0.	0.	0.	0.
RB 88	8.18E+00	9.44E-02	2.49E-04	4.51E-12	5.66E-25	0.	0.	0.	0.	0.	0.
SR 89	3.06E-06	9.16E-02	9.02E-02	8.67E-02	8.13E-02	7.10E-02	6.21E-02	4.78E-02	2.44E-02	6.43E-03	1.70E-03
SR 90	5.76E-06	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.92E-04	5.87E-04	5.87E-04	5.81E-04
Y 90	8.54E-12	1.36E-04	2.40E-04	4.31E-04	5.50E-04	5.87E-04	5.92E-04	5.92E-04	5.87E-04	5.87E-04	5.81E-04
SR 91	6.93E-01	2.48E+00	4.45E-01	2.55E-03	4.66E-07	1.58E-14	5.36E-22	6.10E-37	0.	0.	0.

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	4.66E-05	1.60E+00	2.87E-01	1.65E-03	3.02E-07	1.02E-14	3.45E-22	3.94E-37	0.	0.	0.
Y 91	1.91E-08	7.63E-02	9.02E-02	9.02E-02	8.50E-02	7.54E-02	6.71E-02	5.32E-02	2.94E-02	9.07E-03	2.79E-03
SR 92	5.26E+00	6.56E-02	1.41E-04	1.42E-12	6.65E-26	0.	0.	0.	0.	0.	0.
Y 92	2.42E-01	6.87E-01	7.63E-03	5.87E-09	3.42E-19	1.17E-39	4.01E-60	0.	0.	0.	0.
Y 93	2.77E-01	1.87E+00	3.65E-01	2.75E-03	7.90E-07	6.53E-14	5.39E-21	3.68E-35	0.	0.	0.
ZR 95	5.61E-04	7.01E-02	6.94E-02	6.72E-02	6.37E-02	5.71E-02	5.14E-02	4.16E-02	2.44E-02	8.39E-03	2.88E-03
NB 95M	1.19E-11	2.37E-04	4.33E-04	8.27E-04	1.11E-03	1.18E-03	1.09E-03	8.81E-04	5.17E-04	1.78E-04	6.13E-05
NB 95	6.25E-11	1.36E-03	2.68E-03	6.42E-03	1.19E-02	2.06E-02	2.66E-02	3.30E-02	3.17E-02	1.53E-02	5.86E-03
ZR 97	1.48E+00	2.52E+00	9.49E-01	5.02E-02	3.77E-04	2.12E-08	1.19E-12	3.77E-21	2.13E-42	0.	0.
NB 97M	7.63E-03	2.42E+00	9.11E-01	4.85E-02	3.62E-04	2.04E-08	1.15E-12	3.62E-21	2.05E-42	0.	0.
NB 97	7.42E-01	2.53E+00	9.51E-01	5.05E-02	3.80E-04	2.29E-08	1.29E-12	4.08E-21	2.30E-42	0.	0.
MO 99	4.50E-03	1.47E+00	1.14E+00	5.42E-01	1.57E-01	1.31E-02	1.09E-03	7.63E-06	3.10E-11	5.11E-22	8.40E-33
TC 99M	4.19E-08	1.29E+00	1.08E+00	5.19E-01	1.50E-01	1.25E-02	1.04E-03	7.29E-06	2.95E-11	4.88E-22	8.03E-33
RU103	1.05E-04	2.39E-01	2.34E-01	2.22E-01	2.04E-01	1.71E-01	1.44E-01	1.01E-01	4.22E-02	7.32E-03	1.28E-03
RH103M	6.99E-09	2.39E-01	2.35E-01	2.23E-01	2.04E-01	1.71E-01	1.44E-01	1.01E-01	4.22E-02	7.32E-03	1.28E-03
RU105	6.84E-01	6.54E-01	1.54E-02	2.02E-07	1.48E-15	7.88E-32	4.23E-48	0.	0.	0.	0.
RH105M	4.50E-03	6.54E-01	1.54E-02	2.03E-07	1.48E-15	7.93E-32	4.24E-48	0.	0.	0.	0.
RH105	7.38E-09	2.36E+00	1.54E+00	3.84E-01	3.79E-02	3.68E-04	3.58E-06	3.38E-10	2.93E-20	2.20E-40	1.65E-60
RU106	6.43E-04	1.22E-02	1.21E-02	1.21E-02	1.20E-02	1.18E-02	1.15E-02	1.11E-02	1.01E-02	8.33E-03	6.91E-03
RH106	6.96E-06	1.22E-02	1.21E-02	1.21E-02	1.20E-02	1.18E-02	1.15E-02	1.11E-02	1.01E-02	8.33E-03	6.91E-03
PD109	2.13E-02	5.43E-01	1.58E-01	3.92E-03	8.26E-06	3.68E-11	1.64E-16	3.24E-27	0.	0.	0.
AG109M	1.23E-04	5.43E-01	1.58E-01	3.93E-03	8.30E-06	3.69E-11	1.64E-16	3.25E-27	0.	0.	0.
PD111M	2.55E+00	1.24E-01	6.01E-03	6.90E-07	1.87E-13	1.36E-26	9.99E-40	0.	0.	0.	0.
PD111	9.08E-01	9.99E-02	4.83E-03	5.55E-07	1.50E-13	1.09E-26	8.02E-40	0.	0.	0.	0.
AG111M	7.21E-03	1.30E-01	6.35E-03	7.30E-07	1.97E-13	1.45E-26	1.06E-39	0.	0.	0.	0.
AG111	2.57E-09	7.09E-02	6.81E-02	5.19E-02	3.26E-02	1.29E-02	5.14E-03	8.10E-04	7.97E-06	7.72E-10	7.48E-14
PD112	7.63E-01	3.47E-01	1.57E-01	1.46E-02	2.77E-04	1.01E-07	3.65E-11	4.80E-18	3.03E-35	0.	0.
AG112	2.30E-05	4.03E-01	1.85E-01	1.72E-02	3.28E-04	1.19E-07	4.31E-11	5.68E-18	3.56E-35	0.	0.
AG113	9.24E-03	9.76E-02	4.22E-03	3.43E-07	5.25E-14	1.23E-27	2.87E-41	0.	0.	0.	0.
CD115M	2.79E-08	8.07E-04	7.94E-04	7.56E-04	6.99E-04	5.93E-04	5.07E-04	3.66E-04	1.64E-04	3.25E-05	6.50E-06
CD115	1.08E-05	1.62E-01	1.19E-01	4.69E-02	9.89E-03	4.42E-04	1.97E-05	3.93E-08	6.94E-15	2.17E-28	6.80E-42
IN115M	1.34E-10	1.71E-01	1.30E-01	5.12E-02	1.08E-02	4.82E-04	2.15E-05	4.28E-08	7.59E-15	2.37E-28	7.42E-42
CD117	2.44E-01	5.33E-03	5.19E-06	4.84E-15	4.30E-30	0.	0.	0.	0.	0.	0.
IN117M	1.17E-05	2.21E-02	2.56E-05	2.47E-14	2.19E-29	0.	0.	0.	0.	0.	0.
IN117	4.73E-10	1.46E-02	1.73E-05	1.67E-14	1.48E-29	0.	0.	0.	0.	0.	0.
SN121	4.99E-03	2.84E-01	1.54E-01	2.42E-02	1.11E-03	2.34E-06	4.93E-09	2.20E-14	9.19E-28	0.	0.
SN123	2.29E-05	2.39E-03	2.37E-03	2.33E-03	2.26E-03	2.14E-03	2.03E-03	1.82E-03	1.38E-03	7.90E-04	4.55E-04
SN125	5.16E-02	4.80E-02	4.46E-02	3.57E-02	2.47E-02	1.18E-02	5.65E-03	1.29E-03	3.23E-05	2.04E-08	1.28E-11
SB125	3.10E-04	3.44E-04	3.76E-04	4.60E-04	5.63E-04	6.82E-04	7.35E-04	7.66E-04	7.51E-04	7.01E-04	6.54E-04
SB126	6.24E-03	5.90E-03	5.59E-03	4.73E-03	3.58E-03	2.05E-03	1.18E-03	3.90E-04	2.44E-05	1.18E-07	2.38E-08

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	5.17E+00	1.87E-03	6.80E-07	3.25E-17	2.04E-34	0.	0.	0.	0.	0.	0.
SB127	6.03E-02	2.48E-01	2.07E-01	1.21E-01	4.95E-02	8.28E-03	1.38E-03	3.87E-05	5.05E-09	8.62E-17	1.47E-24
TE127M	4.88E-10	3.78E-04	6.92E-04	1.34E-03	1.86E-03	2.05E-03	1.97E-03	1.75E-03	1.28E-03	6.74E-04	3.56E-04
TE127	3.41E-02	1.77E-01	1.74E-01	1.06E-01	4.48E-02	9.20E-03	3.15E-03	1.76E-03	1.26E-03	6.66E-04	3.52E-04
SB128	1.13E+00	1.92E-01	3.04E-02	1.19E-04	1.15E-08	1.08E-16	1.02E-24	8.95E-41	0.	0.	0.
SB129	5.19E+00	2.65E-01	5.54E-03	5.05E-08	2.01E-16	3.17E-33	5.00E-50	0.	0.	0.	0.
TE129M	9.80E-08	1.03E-02	1.03E-02	9.74E-03	8.81E-03	7.17E-03	5.83E-03	3.88E-03	1.40E-03	1.83E-04	2.37E-05
TE129	3.73E+00	3.11E-01	1.29E-02	6.24E-03	5.63E-03	4.59E-03	3.74E-03	2.49E-03	8.98E-04	1.17E-04	1.52E-05
I130	2.38E-02	6.22E-03	1.63E-03	2.91E-05	3.55E-08	5.30E-14	7.90E-20	1.76E-31	0.	0.	0.
TE131M	9.25E-05	3.23E-01	1.86E-01	3.52E-02	2.20E-03	8.58E-06	3.36E-08	5.12E-13	4.66E-25	0.	0.
TE131	8.52E+01	5.90E-02	3.39E-02	6.43E-03	4.01E-04	1.57E-06	6.12E-09	9.37E-14	8.52E-26	0.	0.
I131	1.24E-02	6.68E-01	6.31E-01	5.07E-01	3.34E-01	1.41E-01	5.97E-02	1.07E-02	1.44E-04	2.62E-08	4.78E-12
XE131M	3.36E-11	3.09E-04	5.88E-04	1.23E-03	1.75E-03	1.73E-03	1.29E-03	5.31E-04	3.54E-05	1.06E-07	2.99E-10
TE132	1.00E+00	1.98E+00	1.60E+00	8.43E-01	2.91E-01	3.45E-02	4.08E-03	5.73E-05	1.34E-09	7.34E-19	4.00E-28
I132	2.46E+00	2.04E+00	1.65E+00	8.68E-01	3.00E-01	3.55E-02	4.20E-03	5.91E-05	1.38E-09	7.52E-19	4.13E-28
I133	1.02E+00	5.66E+00	2.55E+00	2.37E-01	4.52E-03	1.64E-06	5.94E-10	7.83E-17	4.92E-34	0.	0.
XE133M	4.33E-08	5.35E-02	6.33E-02	3.71E-02	8.72E-03	4.09E-04	1.90E-05	4.13E-08	9.05E-15	4.33E-28	2.07E-41
XE133	7.55E-07	1.03E+00	1.38E+00	1.23E+00	6.72E-01	1.82E-01	4.88E-02	3.51E-03	4.90E-06	9.49E-12	1.84E-17
I135	1.70E+01	2.77E+00	2.32E-01	1.35E-04	5.47E-10	9.04E-21	1.49E-31	4.03E-53	0.	0.	0.
XE135M	1.88E-03	8.65E-01	7.23E-02	4.21E-05	1.71E-10	2.81E-21	4.64E-32	1.26E-53	0.	0.	0.
XE135	1.96E+00	7.47E+00	1.83E+00	1.05E-02	1.28E-06	1.80E-14	2.52E-22	4.98E-38	0.	0.	0.
CS136	1.88E-03	1.79E-03	1.69E-03	1.44E-03	1.11E-03	6.49E-04	3.82E-04	1.31E-04	9.11E-06	4.39E-08	2.13E-10
CS137	7.79E-05	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04	8.35E-04	8.30E-04	8.26E-04
BA137M	1.64E-07	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.84E-04	7.79E-04	7.74E-04	7.70E-04
BA139	9.62E+00	1.03E-03	6.06E-09	1.25E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.03E-01	6.07E-01	5.78E-01	4.90E-01	3.74E-01	2.17E-01	1.26E-01	4.28E-02	2.86E-03	1.27E-05	5.63E-08
LA140	2.44E-07	2.11E-01	3.40E-01	4.70E-01	4.18E-01	2.50E-01	1.45E-01	4.94E-02	3.28E-03	1.46E-05	6.51E-08
LA141	1.29E+00	5.11E-01	7.17E-03	1.98E-08	1.09E-17	3.24E-36	9.66E-55	0.	0.	0.	0.
CE141	1.59E-07	1.77E-01	1.75E-01	1.65E-01	1.48E-01	1.19E-01	9.62E-02	6.27E-02	2.15E-02	2.54E-03	2.99E-04
LA142	6.30E+00	1.38E-03	2.67E-08	1.97E-22	0.	0.	0.	0.	0.	0.	0.
CE143	4.12E-02	1.69E+00	1.02E+00	2.25E-01	1.81E-02	1.17E-04	7.58E-07	3.18E-11	3.59E-22	0.	0.
PR143	1.20E-08	1.08E-01	1.68E-01	2.18E-01	1.87E-01	1.14E-01	6.86E-02	2.48E-02	1.98E-03	1.26E-05	7.99E-08
CE144	1.86E-03	1.33E-02	1.32E-02	1.31E-02	1.30E-02	1.27E-02	1.24E-02	1.18E-02	1.04E-02	8.15E-03	6.40E-03
PR144	5.09E-07	1.33E-02	1.32E-02	1.31E-02	1.30E-02	1.27E-02	1.24E-02	1.18E-02	1.04E-02	8.15E-03	6.40E-03
PR145	7.57E-02	7.74E-01	4.79E-02	1.13E-05	1.03E-11	8.57E-24	7.11E-36	0.	0.	0.	0.
ND147	1.04E-05	1.74E-01	1.64E-01	1.36E-01	9.93E-02	5.33E-02	2.85E-02	8.18E-03	3.59E-04	6.99E-07	1.35E-09
PM147	2.87E-14	1.30E-04	2.52E-04	5.76E-04	9.96E-04	1.52E-03	1.80E-03	2.00E-03	2.02E-03	1.88E-03	1.75E-03
ND149	1.82E+01	1.76E-03	1.71E-07	1.55E-19	1.33E-39	0.	0.	0.	0.	0.	0.
PM149	2.53E-03	4.68E-01	3.42E-01	1.34E-01	2.79E-02	1.22E-03	5.30E-05	1.01E-07	1.59E-14	3.92E-28	9.77E-42
PM150	2.05E-01	4.33E-04	9.12E-07	8.57E-15	3.58E-28	0.	0.	0.	0.	0.	0.

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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	5.05E-02	3.44E-01	1.90E-01	3.20E-02	1.64E-03	4.30E-06	1.13E-08	7.83E-14	9.82E-27	0.	0.
SM153	1.81E-01	1.27E-01	8.94E-02	3.09E-02	5.25E-03	1.53E-04	4.43E-06	3.72E-09	7.68E-17	3.27E-32	1.39E-47
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.
EU155	6.06E-06	2.05E-04	2.05E-04	2.05E-04	2.05E-04	2.04E-04	2.03E-04	2.01E-04	1.97E-04	1.89E-04	1.82E-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
EU157	1.82E-02	2.10E-02	7.07E-03	2.65E-04	1.11E-06	1.96E-11	3.48E-16	1.08E-25	0.	0.	0.
GD159	3.42E-03	6.73E-03	2.68E-03	1.67E-04	1.64E-06	1.59E-10	1.54E-14	1.45E-22	1.24E-42	0.	0.
TB161	6.19E-05	4.05E-04	3.65E-04	2.70E-04	1.64E-04	5.99E-05	2.19E-05	2.94E-06	1.94E-08	8.40E-13	3.65E-17
TOTAL	2.91E+02	8.16E+01	3.92E+01	1.44E+01	6.06E+00	2.26E+00	1.30E+00	6.66E-01	2.80E-01	9.85E-02	5.01E-02

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.500
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-04	2.11E-06	1.96E-07	1.82E-08	1.46E-11	1.17E-14	8.76E-19	5.62E-25	0.	0.	0.
MN 54	1.65E-04	7.12E-05	4.69E-05	3.08E-05	8.81E-06	2.51E-06	4.73E-07	3.87E-08	9.09E-12	3.29E-17	1.19E-22
FE 59	3.06E-04	1.11E-06	6.63E-08	3.99E-09	8.66E-13	1.87E-16	2.44E-21	1.14E-28	0.	0.	0.
CO 57	6.77E-05	2.67E-05	1.67E-05	1.05E-05	2.58E-06	6.37E-07	9.84E-09	5.97E-09	5.22E-13	4.29E-19	0.
CO 58	3.75E-04	1.08E-05	1.82E-06	3.09E-07	1.51E-09	7.33E-12	6.05E-15	1.43E-19	5.48E-35	0.	0.
CO 60	3.77E-05	3.31E-05	3.08E-05	2.88E-05	2.37E-05	1.95E-05	1.49E-05	1.01E-05	2.70E-06	3.75E-07	5.18E-08
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	5.08E-05	1.75E-06	3.23E-07	5.99E-08	3.81E-10	2.43E-12	2.87E-15	1.16E-19	0.	0.	0.
W188	1.79E-06	4.65E-08	7.54E-09	1.21E-09	5.11E-12	2.14E-14	1.45E-17	2.56E-22	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	2.71E+00	6.75E-09	6.58E-09	6.40E-09	5.99E-09	5.56E-09	5.06E-09	4.39E-09	2.73E-09	1.34E-09	6.58E-10
AM241	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.87E-09	5.90E-09	5.90E-09	5.93E-09	5.96E-09	5.90E-09	5.82E-09
CM242	2.66E-07	5.64E-08	2.59E-08	1.19E-08	1.16E-09	1.13E-10	5.07E-12	4.80E-14	1.38E-18	1.28E-18	1.20E-18
KR 85	4.36E-06	1.08E-04	1.05E-04	1.02E-04	9.26E-05	8.36E-05	7.35E-05	6.06E-05	3.21E-05	1.22E-05	4.68E-06
SR 89	3.06E-06	7.15E-04	6.25E-05	5.50E-06	3.70E-09	2.50E-12	1.47E-16	6.70E-23	4.87E-44	0.	0.
SR 90	5.76E-06	5.76E-04	5.71E-04	5.66E-04	5.45E-04	5.24E-04	4.99E-04	4.63E-04	3.62E-04	2.50E-04	1.73E-04
Y 90	8.54E-12	5.76E-04	5.71E-04	5.66E-04	5.45E-04	5.24E-04	4.99E-04	4.63E-04	3.62E-04	2.50E-04	1.73E-04
Y 91	1.91E-08	1.29E-03	1.50E-04	1.74E-05	2.73E-08	4.29E-11	7.85E-15	1.93E-20	3.89E-39	0.	0.
ZR 95	5.61E-04	1.44E-03	2.06E-04	2.93E-05	8.54E-08	2.49E-10	1.03E-13	8.69E-19	1.06E-35	0.	0.
NB 95M	1.19E-11	3.05E-05	4.35E-06	6.22E-07	1.81E-09	5.27E-12	2.18E-15	1.84E-20	2.26E-37	0.	0.
NB 95	6.25E-11	3.10E-03	4.45E-04	6.35E-05	1.84E-07	5.34E-10	2.23E-13	1.88E-18	2.31E-35	0.	0.
RU103	1.05E-04	4.07E-04	1.67E-05	6.85E-07	4.67E-11	3.20E-15	9.00E-21	4.23E-29	0.	0.	0.
RH103M	6.99E-09	4.08E-04	1.67E-05	6.85E-07	4.68E-11	3.21E-15	9.00E-21	4.24E-29	0.	0.	0.
RU106	6.43E-04	6.11E-03	4.33E-03	3.07E-03	1.09E-03	3.87E-04	9.75E-05	1.23E-05	1.24E-08	4.00E-13	1.29E-17
RH106	6.96E-06	6.11E-03	4.33E-03	3.07E-03	1.09E-03	3.87E-04	9.75E-05	1.23E-05	1.24E-08	4.00E-13	1.29E-17
SN123	2.29E-05	3.17E-04	1.15E-04	4.17E-05	2.00E-06	9.60E-08	1.67E-09	3.86E-12	6.19E-21	3.98E-34	2.56E-47
SB125	3.10E-04	6.24E-04	5.49E-04	4.83E-04	3.29E-04	2.24E-04	1.34E-04	6.19E-05	4.76E-06	1.01E-07	2.16E-09
TE125M	8.34E-12	2.55E-04	2.26E-04	1.99E-04	1.36E-04	9.26E-05	5.54E-05	2.56E-05	1.97E-06	4.19E-08	8.92E-10
TE127M	4.88E-10	2.34E-04	7.31E-05	2.29E-05	7.03E-07	2.16E-08	2.08E-10	1.96E-13	1.61E-23	1.20E-38	8.95E-54
TE127	3.41E-02	2.31E-04	7.22E-05	2.26E-05	6.95E-07	2.14E-08	2.05E-10	1.94E-13	1.59E-23	1.18E-38	8.87E-54
CS137	7.79E-05	8.21E-04	8.12E-04	8.02E-04	7.74E-04	7.46E-04	7.14E-04	6.67E-04	5.27E-04	3.75E-04	2.64E-04
BA137M	1.64E-07	7.70E-04	7.60E-04	7.51E-04	7.23E-04	7.00E-04	6.67E-04	6.25E-04	4.94E-04	3.50E-04	2.48E-04
CE141	1.59E-07	6.87E-05	1.38E-06	2.77E-08	2.26E-13	1.84E-18	3.02E-25	2.00E-35	0.	0.	0.
CE144	1.86E-03	5.45E-03	3.51E-03	2.24E-03	5.87E-04	1.54E-04	2.60E-05	1.79E-06	2.41E-10	3.78E-16	5.90E-22
PR144	5.09E-07	5.45E-03	3.51E-03	2.24E-03	5.87E-04	1.54E-04	2.60E-05	1.79E-06	2.41E-10	3.78E-16	5.90E-22
PM147	2.87E-14	1.67E-03	1.46E-03	1.28E-03	8.61E-04	5.79E-04	3.40E-04	1.54E-04	1.10E-05	2.07E-07	3.92E-09
EU155	6.06E-06	1.77E-04	1.65E-04	1.53E-04	1.23E-04	9.91E-05	7.40E-05	4.78E-05	1.12E-05	1.26E-06	1.41E-07
TOTAL	2.75E+00	3.71E-02	2.21E-02	1.58E-02	7.52E-03	4.68E-03	3.32E-03	2.61E-03	1.81E-03	1.24E-03	8.63E-04

PAGE 2

TEWA
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
RELAXATION LENGTH = 0.16 GM/SQCM

TIME	MR/HR	MICROCURIES/SQ METER
ZERO TIME HOURS	1.23E+02	1.27E+04
1.00E+00	3.81E+01	2.44E+03
2.00E+00	1.47E+01	9.33E+02
3.00E+00	7.54E+00	5.49E+02
4.00E+00	4.53E+00	3.90E+02
6.00E+00	2.29E+00	2.53E+02
9.00E+00	1.36E+00	1.70E+02
1.20E+01	1.00E+00	1.29E+02
1.50E+01	7.85E-01	1.03E+02
1.80E+01	6.38E-01	8.50E+01
2.10E+01	5.31E-01	7.19E+01
1.00E+00 DAYS	4.45E-01	6.12E+01
2.00E+00	2.01E-01	2.73E+01
5.00E+00	8.60E-02	1.05E+01
1.00E+01	4.13E-02	5.02E+00
2.00E+01	1.61E-02	2.12E+00
3.00E+01	8.77E-03	1.26E+00
5.00E+01	3.59E-03	6.71E-01
1.00E+02	8.52E-04	2.69E-01
2.00E+02	2.15E-04	8.32E-02
3.00E+02	9.21E-05	4.06E-02
1.00E+00 YEARS	6.47E-05	3.08E-02
1.50E+00	3.83E-05	1.96E-02
2.00E+00	2.95E-05	1.47E-02
3.50E+00	1.80E-05	7.74E-03
5.00E+00	1.34E-05	5.19E-03
7.00E+00	1.07E-05	3.93E-03
1.00E+01	9.05E-06	3.27E-03
2.00E+01	6.64E-06	2.40E-03
3.50E+01	4.67E-06	1.66E-03
5.00E+01	3.29E-06	1.16E-03

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.54E-05	6.53E-05	6.53E-05	6.53E-05	6.53E-05	6.52E-05	6.51E-05	6.49E-05	6.48E-05	6.47E-05	6.46E-05
NA 24	1.04E-01	9.98E-02	9.54E-02	9.10E-02	8.68E-02	7.92E-02	6.89E-02	6.01E-02	5.23E-02	4.56E-02	3.95E-02
MN 54	4.43E-05	4.43E-05	4.43E-05	4.43E-05	4.43E-05	4.43E-05	4.43E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05
FE 55	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04	1.89E-04
FE 59	8.22E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.19E-05	8.18E-05	8.17E-05	8.14E-05	8.13E-05	8.12E-05
CO 57	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05
CO 58	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	9.99E-05	9.99E-05	9.96E-05
CO 60	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05
CU 64	1.25E-01	1.18E-01	1.12E-01	1.06E-01	1.01E-01	9.04E-02	7.68E-02	6.53E-02	5.55E-02	4.72E-02	4.02E-02
CU 67	1.50E-02	1.48E-02	1.46E-02	1.45E-02	1.43E-02	1.40E-02	1.34E-02	1.31E-02	1.26E-02	1.22E-02	1.18E-02
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.81E-05	6.81E-05	6.81E-05	6.81E-05	6.80E-05	6.80E-05	6.80E-05	6.78E-05	6.78E-05	6.76E-05	6.76E-05
W187	4.33E-03	4.20E-03	4.07E-03	3.96E-03	3.85E-03	3.63E-03	3.33E-03	3.06E-03	2.79E-03	2.58E-03	2.35E-03
W188	2.40E-06	2.40E-06	2.40E-06	2.40E-06	2.40E-06	2.40E-06	2.39E-06	2.39E-06	2.38E-06	2.38E-06	2.38E-06
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	1.88E-03	1.86E-03	1.83E-03	1.80E-03	1.78E-03	1.74E-03	1.67E-03	1.61E-03	1.54E-03	1.48E-03	1.42E-03
U237	7.27E-01	7.23E-01	7.20E-01	7.17E-01	7.14E-01	7.08E-01	6.98E-01	6.90E-01	6.81E-01	6.71E-01	6.63E-01
U239	6.89E+02	1.17E+02	2.00E+01	3.42E+00	5.80E-01	1.69E-02	8.37E-05	4.13E-07	2.04E-09	1.01E-11	5.00E-14
U240	4.81E+00	4.59E+00	4.37E+00	4.16E+00	3.96E+00	3.59E+00	3.09E+00	2.67E+00	2.30E+00	1.98E+00	1.71E+00
NP239	2.36E-03	3.95E+00	4.57E+00	4.64E+00	4.60E+00	4.50E+00	4.31E+00	4.17E+00	4.02E+00	3.88E+00	3.73E+00
NP240M	7.62E-03	4.61E+00	4.40E+00	4.20E+00	4.00E+00	3.61E+00	3.12E+00	2.69E+00	2.32E+00	2.00E+00	1.73E+00
NP240	1.93E-10	9.92E-11	5.15E-11	2.66E-11	1.37E-11	3.68E-12	5.07E-13	7.00E-14	9.65E-15	1.33E-15	1.84E-16
AM241	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09
CM242	7.14E-08	7.14E-08	7.14E-08	7.14E-08	7.14E-08	7.14E-08	7.10E-08	7.10E-08	7.10E-08	7.10E-08	7.10E-08
GE 75	6.30E-05	3.05E-01	1.84E-01	1.11E-01	6.67E-02	2.42E-02	5.28E-03	1.16E-03	2.52E-04	5.50E-05	1.20E-05
GE 77	2.02E-02	5.21E-02	4.90E-02	4.61E-02	4.34E-02	3.84E-02	3.19E-02	2.65E-02	2.21E-02	1.84E-02	1.53E-02
AS 77	2.09E-04	3.30E-02	3.34E-02	3.36E-02	3.39E-02	3.41E-02	3.41E-02	3.39E-02	3.33E-02	3.27E-02	3.18E-02
SE 77M	8.24E-09	9.89E-05	1.00E-04	1.01E-04	1.01E-04	1.02E-04	1.03E-04	1.02E-04	1.00E-04	9.82E-05	9.52E-05
GE 78	2.16E+00	1.35E+00	8.39E-01	5.24E-01	3.27E-01	1.27E-01	3.09E-02	7.49E-03	1.83E-03	4.44E-04	1.08E-04
AS 78	3.88E-02	6.44E-01	7.94E-01	7.44E-01	6.22E-01	3.67E-01	1.36E-01	4.52E-02	1.40E-02	4.19E-03	1.21E-03
AS 79	3.42E+01	3.37E-01	3.32E-03	3.27E-05	3.22E-07	3.12E-11	2.97E-17	2.84E-23	2.71E-29	2.58E-35	2.47E-41
SE 79M	5.07E-02	5.95E-01	5.87E-03	5.78E-05	5.69E-07	5.50E-11	5.25E-17	5.01E-23	4.78E-29	4.56E-35	4.35E-41
BR 80	1.85E-01	1.74E-02	1.64E-03	1.54E-04	1.45E-05	1.29E-07	1.08E-10	8.98E-14	7.48E-17	6.25E-20	5.21E-23
SE 81M	1.43E-01	6.68E+00	3.22E+00	1.55E+00	7.45E-01	1.74E-01	1.95E-02	2.18E-03	2.45E-04	2.74E-05	3.08E-06
SE 81	1.75E+00	7.89E+00	4.57E+00	2.28E+00	1.11E+00	2.58E-01	2.89E-02	3.24E-03	3.63E-04	4.07E-05	4.56E-06
BR 82	7.53E-04	7.39E-04	7.24E-04	7.10E-04	6.96E-04	6.69E-04	6.31E-04	5.95E-04	5.61E-04	5.29E-04	4.99E-04
SE 83	6.94E+01	1.31E+01	2.49E+00	4.72E-01	8.93E-02	3.21E-03	2.18E-05	1.48E-07	1.01E-09	6.87E-12	4.37E-14
BR 83	5.76E-01	8.60E+00	7.96E+00	6.26E+00	4.75E+00	2.69E+00	1.14E+00	4.78E-01	2.02E-01	8.52E-02	3.59E-02
KR 83M	2.98E-05	1.95E+00	3.98E+00	4.94E+00	5.10E+00	4.25E+00	2.51E+00	1.29E+00	6.22E-01	2.87E-01	1.29E-01

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.33E-01	2.30E+01	6.21E+00	1.68E+00	4.54E-01	3.32E-02	6.56E-04	1.30E-05	2.56E-07	5.07E-09	1.00E-10
KR 85M	5.66E-03	1.21E+01	1.03E+01	8.81E+00	7.53E+00	5.50E+00	3.43E+00	2.14E+00	1.33E+00	8.29E-01	5.17E-01
KR 87	7.25E+01	4.18E+01	2.42E+01	1.40E+01	8.07E+00	2.71E+00	5.25E-01	1.02E-01	1.97E-02	3.81E-03	7.37E-04
KR 88	4.32E+01	3.37E+01	2.63E+01	2.05E+01	1.60E+01	9.74E+00	4.65E+00	2.21E+00	1.05E+00	5.01E-01	2.38E-01
RB 88	1.10E+01	3.41E+01	2.91E+01	2.29E+01	1.79E+01	1.09E+01	5.21E+00	2.48E+00	1.18E+00	5.62E-01	2.67E-01
RB 89	5.35E+01	5.03E+01	3.38E+00	2.27E-01	1.52E-02	6.89E-05	2.09E-08	6.29E-12	1.92E-15	5.81E-19	1.76E-22
SR 89	4.10E-06	1.44E-01	1.53E-01	1.53E-01	1.53E-01	1.53E-01	1.53E-01	1.53E-01	1.53E-01	1.52E-01	1.52E-01
SR 90	7.73E-06	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04
SR 91	8.24E-01	1.53E+01	1.43E+01	1.33E+01	1.24E+01	1.07E+01	8.65E+00	6.99E+00	5.65E+00	4.53E+00	3.66E+00
Y 91M	5.54E-05	5.28E+00	7.20E+00	7.72E+00	7.61E+00	6.84E+00	5.59E+00	4.50E+00	3.63E+00	2.93E+00	2.36E+00
Y 91	2.27E-08	4.70E-03	1.08E-02	1.73E-02	2.36E-02	3.54E-02	5.02E-02	6.22E-02	7.20E-02	7.98E-02	8.60E-02
SR 92	1.41E+00	6.30E+00	4.88E+00	3.78E+00	2.93E+00	1.75E+00	8.14E-01	3.78E-01	1.75E-01	8.14E-02	3.79E-02
Y 92	6.51E-02	1.33E+00	2.08E+00	2.47E+00	2.63E+00	2.50E+00	1.92E+00	1.31E+00	8.40E-01	5.17E-01	3.12E-01
SR 93	6.10E+01	1.05E+00	5.80E-03	3.20E-05	1.77E-07	5.40E-12	9.11E-19	1.54E-25	2.59E-32	4.37E-39	7.37E-46
Y 93	7.44E-02	2.40E+00	2.26E+00	2.11E+00	1.97E+00	1.72E+00	1.40E+00	1.15E+00	9.31E-01	7.65E-01	6.21E-01
Y 94	9.16E+00	1.25E+01	1.61E+00	2.08E-01	2.68E-02	4.45E-04	9.54E-07	2.05E-09	4.37E-12	9.54E-15	5.29E-16
Y 95	4.01E+01	3.78E+00	8.32E-02	1.84E-03	4.04E-05	1.96E-08	2.10E-13	2.24E-18	2.40E-23	2.56E-28	2.74E-33
ZR 95	1.51E-04	1.97E-02	2.01E-02	2.01E-02	2.01E-02	2.01E-02	2.01E-02	2.00E-02	2.00E-02	1.99E-02	1.99E-02
NB 95	1.68E-11	1.21E-05	2.83E-05	4.45E-05	6.07E-05	9.31E-05	1.41E-04	1.90E-04	2.38E-04	2.86E-04	3.33E-04
ZR 97	3.98E-01	1.73E+00	1.66E+00	1.59E+00	1.53E+00	1.41E+00	1.25E+00	1.10E+00	9 79E-01	8.62E-01	7.67E-01
NB 97M	2.05E-03	1.66E+00	1.59E+00	1.53E+00	1.47E+00	1.36E+00	1.20E+00	1.06E+00	9.38E-01	8.28E-01	7.32E-01
NB 97	1.99E-01	8.69E-01	1.23E+00	1.40E+00	1.46E+00	1.46E+00	1.33E+00	1.18E+00	1.05E+00	9.24E-01	8.21E-01
NB 98	2.27E+00	1.00E+00	4.44E-01	1.96E-01	8.70E-02	1.70E-02	1.47E-03	1.27E-04	1.11E-05	9.59E-07	8.25E-08
MO 99	1.21E-03	4.99E-01	4.93E-01	4.89E-01	4.83E-01	4.73E-01	4.60E-01	4.45E-01	4.32E-01	4.19E-01	4.06E-01
TC 99M	1.12E-08	4.76E-02	8.93E-02	1.26E-01	1.59E-01	2.12E-01	2.69E-01	3.05E-01	3.27E-01	3.39E-01	3.45E-01
MO101	1.90E+02	8.57E+01	4.98E+00	2.88E-01	1.67E-02	5.61E-05	1.09E-08	2.12E-12	4.13E-16	8.01E-20	1.56E-23
TC101	8.01E+00	2.40E+02	2.63E+01	2.16E+00	1.57E-01	7.08E-04	1.77E-07	3.97E-11	8.41E-15	1.73E-18	3.50E-22
MO102	1.76E+03	4.02E+01	9.15E-01	2.09E-02	4.77E-04	2.48E-07	2.95E-12	3.49E-17	4.14E-22	4.91E-27	5.84E-32
TC102M	1.13E+00	3.40E+01	7.79E-01	1.78E-02	4.06E-04	2.10E-07	2.49E-12	2.96E-17	3.50E-22	4.16E-27	4.94E-32
TC102	5.31E+03	2.02E+01	4.62E-01	1.05E-02	2.40E-04	1.25E-07	1.49E-12	1.76E-17	2.09E-22	2.48E-27	2.94E-32
RU103	1.41E-04	3.26E-01	3.25E-01	3.25E-01	3.25E-01	3.24E-01	3.24E-01	3.24E-01	3.23E-01	3.22E-01	3.21E-01
RH103M	9.37E-09	1.69E-01	2.50E-01	2.89E-01	3.08E-01	3.21E-01	3.24E-01	3.24E-01	3.23E-01	3.22E-01	3.22E-01
TC104	1.12E+02	8.08E+01	8.08E+00	8.00E-01	7.91E-02	7.80E-04	7.61E-07	7.44E-10	7.26E-13	7.10E-16	6.93E-19
RU105	9.17E-01	3.17E+01	2.71E+01	2.32E+01	1.99E+01	1.45E+01	9.10E+00	5.69E+00	3.56E+00	2.23E+00	1.40E+00
RH105M	6.03E-03	3.18E+01	2.72E+01	2.33E+01	1.99E+01	1.46E+01	9.10E+00	5.71E+00	3.57E+00	2.24E+00	1.40E+00
RH105	9.91E-09	6.45E-01	1.20E+00	1.65E+00	2.04E+00	2.60E+00	3.11E+00	3.35E+00	3.41E+00	3.38E+00	3.29E+00
RU106	8.63E-04	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
RH106	9.34E-06	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
RH107	2.52E-01	3.42E+01	5.19E+00	7.81E-01	1 18E-01	2.69E-03	9.26E-06	3.20E-08	1.10E-10	3.76-146	3.74E-17
PD107M	5.24E-04	6.97E+00	1.05E+00	1.59E-01	2.40E-02	5.47E-04	1.89E-06	6.50E-09	2.24E-11	7.72E-14	2.63E-16

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.86E-02	2.37E+00	2.25E+00	2.14E+00	2.03E+00	1.83E+00	1.57E+00	1.35E+00	1.16E+00	9.90E-01	8.51E-01
AG109M	1.65E-04	2.37E+00	2.25E+00	2.14E+00	2.03E+00	1.84E+00	1.57E+00	1.35E+00	1.16E+00	9.90E-01	8.51E-01
PD111M	3.42E+00	3.01E+00	2.66E+00	2.35E+00	2.07E+00	1.61E+00	1.10E+00	7.55E-01	5.17E-01	3.54E-01	2.43E-01
PD111	1.22E+00	2.20E+00	2.11E+00	1.88E+00	1.66E+00	1.29E+00	8.85E-01	6.07E-01	4.15E-01	2.85E-01	1.95E-01
AG111M	9.68E-03	2.96E+00	2.78E+00	2.49E+00	2.20E+00	1.70E+00	1.16E+00	7.96E-01	5.45E-01	3.74E-01	2.55E-01
AG111	3.45E-09	1.02E-02	2.15E-02	3.15E-02	4.05E-02	5.52E-02	7.09E-02	8.12E-02	8.80E-02	9.22E-02	9.47E-02
PD112	1.02E+00	9.93E-01	9.59E-01	9.28E-01	8.99E-01	8.40E-01	7.62E-01	6.90E-01	6.25E-01	5.65E-01	5.12E-01
AG112	3.09E-05	1.96E-01	3.47E-01	4.65E-01	5.53E-01	6.62E-01	7.28E-01	7.25E-01	6.90E-01	6.43E-01	5.93E-01
AG113	1.24E-02	2.65E+00	2.33E+00	2.04E+00	1.79E+00	1.38E+00	9.32E-01	6.29E-01	4.25E-01	2.87E-01	1.94E-01
AG115	4.58E+00	4.91E+00	6.11E-01	7.63E-02	9.56E-03	1.49E-04	2.92E-07	5.71E-10	1.10E-12	1.10-161	1.02E-15
CD115M	3.74E-08	9.96E-04	1.12E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.12E-03	1.12E-03
CD115	1.45E-05	2.73E-01	2.93E-01	2.93E-01	2.89E-01	2.82E-01	2.71E-01	2.61E-01	2.51E-01	2.41E-01	2.32E-01
IN115M	1.80E-10	3.01E-02	6.69E-02	9.92E-02	1.26E-01	1.69E-01	2.08E-01	2.29E-01	2.39E-01	2.41E-01	2.40E-01
CD117	3.28E-01	5.46E+00	4.11E+00	3.07E+00	2.30E+00	1.29E+00	5.42E-01	2.28E-01	9.61E-02	4.04E-02	1.70E-02
IN117M	1.58E-05	1.90E+00	2.75E+00	2.98E+00	2.88E+00	2.27E+00	1.30E+00	6.65E-01	3.19E-01	1.48E-01	6.69E-02
IN117	6.34E-10	3.46E-01	8.38E-01	1.16E+00	1.30E+00	1.20E+00	7.61E-01	4.07E-01	2.03E-01	9.53E-02	4.38E-02
CD118	2.17E+01	9.30E+00	3.99E+00	1.70E+00	7.29E-01	1.33E-01	1.05E-02	8.18E-04	6.43E-05	5.04E-06	3.95E-07
IN118	1.44E+00	9.30E+00	3.99E+00	1.71E+00	7.29E-01	1.34E-01	1.05E-02	8.22E-04	6.43E-05	5.04E-06	3.95E-07
CD119	5.42E+01	8.45E-01	1.32E-02	2.06E-04	3.22E-06	7.88E-10	3.00E-15	1.15E-20	4.37E-26	1.67E-31	6.39E-37
IN119M	8.17E-02	9.14E+00	9.94E-01	1.00E-01	9.98E-03	9.82E-05	9.58E-08	9.38E-11	9.14E-14	8.93E-17	8.73E-20
IN119	4.03E+00	4.81E-01	5.58E-02	5.66E-03	5.66E-04	5.54E-06	5.42E-09	5.30E-12	5.17E-15	5.05E-18	4.93E-21
SN121	6.70E-03	6.89E-01	6.70E-01	6.54E-01	6.38E-01	6.07E-01	5.59E-01	5.20E-01	4.81E-01	4.45E-01	4.14E-01
SN123M	3.26E+00	6.10E+00	2.16E+00	7.65E-01	2.70E-01	3.38E-02	1.49E-03	6.61E-05	2.93E-06	1.29E-07	5.71E-09
SN123	3.07E-05	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03
SN125	6.93E-02	6.91E-02	6.89E-02	6.87E-02	6.84E-02	6.80E-02	6.75E-02	6.67E-02	6.62E-02	6.55E-02	6.49E-02
SB125	4.16E-04	4.18E-04	4.20E-04	4.21E-04	4.23E-04	4.27E-04	4.34E-04	4.39E-04	4.45E-04	4.50E-04	4.56E-04
SB126	8.37E-03	8.34E-03	8.33E-03	8.32E-03	8.29E-03	8.25E-03	8.20E-03	8.14E-03	8.08E-03	8.03E-03	7.97E-03
SN127	6.94E+00	4.98E+00	3.58E+00	2.58E+00	1.86E+00	9.57E-01	3.56E-01	1.32E-01	4.90E-02	1.82E-02	6.77E-03
SB127	8.09E-02	2.79E-01	3.09E-01	3.29E-01	3.44E-01	3.58E-01	3.64E-01	3.60E-01	3.55E-01	3.47E-01	3.40E-01
TE127	4.57E-02	5.69E-02	6.91E-02	8.20E-02	9.48E-02	1.19E-01	1.52E-01	1.78E-01	1.98E-01	2.13E-01	2.23E-01
SN128	3.59E+01	1.77E+01	8.77E+00	4.33E+00	2.14E+00	5.23E-01	6.32E-02	7.62E-03	9.19E-04	1.11E-04	1.34E-05
SB128M	1.83E-02	2.02E+01	1.05E+01	5.17E+00	2.55E+00	6.25E-01	7.53E-02	9.09E-03	1.10E-03	1.32E-04	1.60E-05
SB128	1.51E+00	1.46E+00	1.37E+00	1.29E+00	1.20E+00	1.03E+00	8.21E-01	6.52E-01	5.17E-01	4.11E-01	3.26E-01
SN129M	1.85E+01	9.24E+00	4.63E+00	2.32E+00	1.16E+00	2.90E-01	3.62E-02	4.53E-03	5.66E-04	7.07E-05	8.84E-06
SN129	1.24E+02	1.21E+00	1.20E-02	1.18E-04	1.16E-06	1.13E-10	1.07E-16	1.03E-22	9.78E-29	9.31E-35	8.92E-41
SB129	6.96E+00	1.17E+01	1.10E+01	9.78E+00	8.61E+00	6.39E+00	3.98E+00	2.47E+00	1.52E+00	9.39E-01	5.78E-01
TE129M	1.31E-07	1.46E-03	3.00E-03	4.41E-03	5.66E-03	7.67E-03	9.70E-03	1.10E-02	1.17E-02	1.22E-02	1.25E-02
TE129	5.01E+00	6.89E+00	8.06E+00	8.37E+00	8.06E+00	6.68E+00	4.45E+00	2.80E+00	1.75E+00	1.08E+00	6.70E-01
SB130M	6.69E-01	1.26E+00	3.32E-03	8.71E-06	2.29E-08	1.58E-13	2.88E-21	5.24E-29	9.51E-37	1.73E-44	3.14E-52
SB130	1.15E+02	3.47E+01	9.87E+00	2.79E+00	7.91E-01	6.37E-02	1.45E-03	3.31E-05	7.55E-07	1.72E-08	3.93E-10

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	3.19E-02	3.02E-02	2.86E-02	2.70E-02	2.56E-02	2.29E-02	1.93E-02	1.63E-02	1.38E-02	1.17E-02	9.87E-03
SB131	2.58E+02	6.74E+01	1.10E+01	1.81E+00	2.97E-01	7.99E-03	3.52E-05	1.55E-07	6.84E-10	3.02E-12	1.50E-14
TE131M	1.24E-04	6.49E-01	7.41E-01	7.41E-01	7.27E-01	6.95E-01	6.49E-01	6.05E-01	5.65E-01	5.27E-01	4.92E-01
TE131	1.14E+02	1.24E+02	4.04E+01	1.05E+01	2.56E+00	2.40E-01	1.19E-01	1.10E-01	1.03E-01	9.62E-02	8.96E-02
I131	1.66E-02	5.75E-01	8.47E-01	9.29E-01	9.45E-01	9.54E-01	9.54E-01	9.45E-01	9.45E-01	9.37E-01	9.37E-01
TE132	1.34E+00	3.26E+00	3.23E+00	3.21E+00	3.17E+00	3.12E+00	3.04E+00	2.96E+00	2.88E+00	2.80E+00	2.73E+00
I132	3.30E+00	3.29E+00	3.28E+00	3.26E+00	3.24E+00	3.20E+00	3.13E+00	3.04E+00	2.96E+00	2.89E+00	2.82E+00
TE133M	1.56E-01	5.42E+01	2.36E+01	1.03E+01	4.47E+00	8.49E-01	6.99E-02	5.77E-03	4.75E-04	3.92E-05	3.23E-06
TE133	8.79E+02	4.98E+01	5.54E+00	1.83E+00	7.75E-01	1.47E-01	1.21E-02	9.98E-04	8.27E-05	6.80E-06	5.61E-07
I133	1.36E+00	1.47E+01	1.59E+01	1.59E+01	1.56E+01	1.48E+01	1.34E+01	1.21E+01	1.10E+01	9.98E+00	9.01E+00
XE133M	5.80E-08	3.30E-03	7.97E-03	1.27E-02	1.74E-02	2.61E-02	3.78E-02	4.79E-02	5.65E-02	6.38E-02	7.00E-02
XE133	1.01E-06	5.77E-02	1.40E-01	2.24E-01	3.07E-01	4.65E-01	6.82E-01	8.72E-01	1.04E+00	1.19E+00	1.33E+00
TE134	2.75E+02	1.27E+02	4.74E+01	1.76E+01	6.54E+00	9.06E-01	4.63E-02	2.37E-03	1.22E-04	6.24E-06	3.20E-07
I134	1.26E+02	1.68E+02	1.18E+02	6.91E+01	3.71E+01	9.42E+00	1.04E+00	1.06E-01	1.04E-02	9.93E-04	9.42E-05
I135	2.28E+01	4.02E+01	3.62E+01	3.26E+01	2.95E+01	2.39E+01	1.76E+01	1.28E+01	9.44E+00	6.95E+00	5.07E+00
XE135M	2.52E-03	1.16E+01	1.13E+01	1.02E+01	9.18E+00	7.47E+00	5.49E+00	4.02E+00	2.95E+00	2.16E+00	1.59E+00
XE135	2.63E+00	5.20E+00	7.60E+00	9.57E+00	1.11E+01	1.34E+01	1.48E+01	1.49E+01	1.42E+01	1.29E+01	1.15E+01
CS136	2.53E-03	2.52E-03	2.52E-03	2.51E-03	2.50E-03	2.49E-03	2.48E-03	2.46E-03	2.44E-03	2.43E-03	2.41E-03
CS137	1.05E-04	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03
BA137M	2.20E-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	8.81E+02	7.58E+01	6.59E+00	5.71E-01	4.94E-02	3.71E-04	2.41E-07	1.56E-10	1.02E-13	6.61E-17	4.29E-20
CS138	1.31E+02	2.20E+02	7.65E+01	2.25E+01	6.29E+00	4.79E-01	9.97E-03	2.07E-04	4.29E-06	8.94E-08	1.85E-09
CS139	6.99E+02	2.23E+01	2.80E-01	3.52E-03	4.41E-05	6.92E-09	1.38E-14	2.72E-20	5.39E-26	1.07E-31	2.11E-37
BA139	1.29E+01	1.44E+02	8.87E+01	5.39E+01	3.26E+01	1.20E+01	2.66E+00	5.90E-01	1.31E-01	2.90E-02	6.45E-03
BA140	1.18E-01	7.39E-01	7.39E-01	7.33E-01	7.33E-01	7.28E-01	7.28E-01	7.22E-01	7.16E-01	7.11E-01	7.05E-01
LA140	2.81E-07	1.26E-02	2.50E-02	3.72E-02	4.91E-02	7.22E-02	1.05E-01	1.37E-01	1.66E-01	1.93E-01	2.19E-01
BA141	1.12E+02	3.38E+01	3.35E+00	3.32E-01	3.30E-02	3.27E-04	3.19E-07	3.11E-10	3.03E-13	2.98E-16	2.90E-19
LA141	1.03E+00	2.19E+01	2.04E+01	1.73E+01	1.45E+01	1.02E+01	5.95E+00	3.48E+00	2.05E+00	1.20E+00	7.04E-01
CE141	1.28E-07	1.42E-02	3.32E-02	5.00E-02	6.41E-02	8.59E-02	1.07E-01	1.19E-01	1.25E-01	1.29E-01	1.32E-01
BA142	7.36E+01	2.93E+00	6.68E-02	1.52E-03	3.47E-05	1.80E-08	2.14E-13	2.54E-18	3.01E-23	3.58E-28	4.24E-33
LA142	1.69E+00	1.17E+01	7.74E+00	4.92E+00	3.13E+00	1.27E+00	3.27E-01	8.42E-02	2.17E-02	5.59E-03	1.44E-03
LA143	2.76E+01	5.39E+00	2.76E-01	1.42E-02	7.30E-04	1.91E-06	2.58E-10	3.47E-14	4.68E-18	6.32E-22	8.53E-26
CE143	1.10E-02	7.04E-01	7.30E-01	7.10E-01	6.98E-01	6.72E-01	6.29E-01	5.91E-01	5.55E-01	5.21E-01	4.89E-01
PR143	3.23E-09	1.08E-03	2.60E-03	4.11E-03	5.59E-03	8.46E-03	1.25E-02	1.63E-02	1.98E-02	2.31E-02	2.61E-02
CE144	4.98E-04	3.57E-03	3.57E-03	3.57E-03	3.57E-03	3.57E-03	3.56E-03	3.56E-03	3.56E-03	3.56E-03	3.56E-03
PR144	1.37E-07	3.25E-03	3.54E-03	3.56E-03	3.57E-03	3.57E-03	3.57E-03	3.57E-03	3.56E-03	3.56E-03	3.56E-03
PR145	2.03E-02	2.98E+00	2.65E+00	2.36E+00	2.11E+00	1.67E+00	1.18E+00	8.31E-01	5.88E-01	4.15E-01	2.94E-01
CE146	6.61E+01	3.39E+00	1.74E-01	8.88E-03	4.57E-04	1.20E-06	1.62E-10	2.18E-14	2.94E-18	3.97E-22	5.35E-26
PR146	1.37E+00	1.19E+01	2.69E+00	5.06E-01	9.11E-02	2.86E-03	1.58E-05	8.72E-08	4.83E-10	2.67E-12	1.46E-14
PR147	7.79E+00	2.25E+00	7.03E-02	2.20E-03	6.88E-05	6.71E-08	2.05E-12	6.26E-17	1.91E-21	5.83E-26	1.78E-30

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	2.78E-06	5.23E-02	5.38E-02	5.37E-02	5.35E-02	5.33E-02	5.29E-02	5.25E-02	5.21E-02	5.16E-02	5.12E-02
ND149	4.88E+00	3.32E+00	2.26E+00	1.54E+00	1.04E+00	4.84E-01	1.52E-01	4.81E-02	1.51E-02	4.76E-03	1.50E-03
PM149	6.80E-04	5.32E-02	8.82E-02	1.12E-01	1.26E-01	1.42E-01	1.48E-01	1.45E-01	1.41E-01	1.36E-01	1.31E-01
PM150	5.51E-02	4.26E-02	3.30E-02	2.54E-02	1.97E-02	1.18E-02	5.47E-03	2.53E-03	1.17E-03	5.42E-04	2.51E-04
ND151	2.14E+01	6.68E-01	2.09E-02	6.53E-04	2.04E-05	1.99E-08	6.09E-13	1.86E-17	5.67E-22	1.73E-26	5.29E-31
PM151	1.36E-02	1.58E-01	1.59E-01	1.56E-01	1.52E-01	1.44E-01	1.34E-01	1.24E-01	1.15E-01	1.07E-01	9.93E-02
PM152	3.35E+01	3.28E-02	3.20E-05	3.13E-08	3.05E-11	2.92E-17	2.71E-26	2.53E-35	2.36E-44	2.20E-53	2.05E-62
SM153	4.86E-02	4.79E-02	4.72E-02	4.65E-02	4.59E-02	4.45E-02	4.26E-02	4.07E-02	3.90E-02	3.73E-02	3.57E-02
SM155	2.21E+00	3.63E-01	5.96E-02	9.75E-03	1.60E-03	4.30E-05	1.90E-07	8.35E-10	3.69E-12	1.64E-14	4.03E-17
EU155	1.63E-06	4.64E-05	5.37E-05	5.49E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05
SM156	4.27E-02	3.96E-02	3.68E-02	3.42E-02	3.17E-02	2.74E-02	2.19E-02	1.76E-02	1.41E-02	1.13E-02	9.04E-03
EU156	1.25E-04	2.03E-04	2.76E-04	3.44E-04	4.07E-04	5.19E-04	6.60E-04	7.64E-04	8.56E-04	9.23E-04	9.72E-04
EU157	4.88E-03	1.62E-02	1.54E-02	1.48E-02	1.41E-02	1.29E-02	1.12E-02	9.80E-03	8.54E-03	7.43E-03	6.48E-03
EU158	1.54E-01	6.24E-02	2.52E-02	1.02E-02	4.14E-03	6.77E-04	4.52E-05	2.99E-06	1.99E-07	1.32E-08	8.77E-10
EU159	2.14E-01	2.13E-02	2.11E-03	2.09E-04	2.08E-05	2.05E-07	2.00E-10	1.95E-13	1.91E-16	1.86E-19	1.82E-22
GD159	9.17E-04	4.02E-03	4.18E-03	4.05E-03	3.90E-03	3.61E-03	3.22E-03	2.87E-03	2.55E-03	2.27E-03	2.03E-03
TB161	1.66E-05	1.20E-04	1.19E-04	1.18E-04	1.18E-04	1.17E-04	1.16E-04	1.14E-04	1.12E-04	1.11E-04	1.10E-04
TOTAL	1.27E+04	2.44E+03	9.33E+02	5.49E+02	3.90E+02	2.53E+02	1.70E+02	1.29E+02	1.03E+02	8.50E+01	7.19E+01

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.54E-05	6.46E-05	6.38E-05	6.14E-05	5.75E-05	5.05E-05	4.43E-05	3.41E-05	1.78E-05	4.85E-06	1.32E-06
NA 24	1.04E-01	3.45E-02	1.14E-02	4.08E-04	1.59E-06	2.44E-11	3.72E-16	8.66E-26	0.	0.	0.
MN 54	4.43E-05	4.39E-05	4.39E-05	4.31E-05	4.27E-05	4.20E-05	4.12E-05	3.92E-05	3.50E-05	2.78E-05	2.22E-05
FE 55	1.89E-04	1.89E-04	1.89E-04	1.88E-04	1.88E-04	1.87E-04	1.85E-04	1.83E-04	1.76E-04	1.64E-04	1.52E-04
FE 59	8.22E-05	8.09E-05	7.97E-05	7.61E-05	7.04E-05	6.04E-05	5.18E-05	3.81E-05	1.77E-05	3.77E-06	8.09E-07
CO 57	1.82E-05	1.82E-05	1.80E-05	1.80E-05	1.78E-05	1.72E-05	1.68E-05	1.60E-05	1.41E-05	1.09E-05	8.46E-06
CO 58	1.01E-04	9.96E-05	9.86E-05	9.56E-05	9.13E-05	8.28E-05	7.51E-05	6.18E-05	3.81E-05	1.44E-05	5.43E-06
CO 60	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.01E-05	1.00E-05	9.95E-06	9.71E-06	9.41E-06	9.05E-06
CU 64	1.25E-01	3.41E-02	9.30E-03	1.89E-04	2.83E-07	6.44E-13	1.46E-18	7.51E-30	0.	0.	0.
CU 67	1.50E-02	1.14E-02	8.72E-03	3.88E-03	1.01E-03	6.81E-05	4.60E-06	2.09E-08	2.92E-14	0.	0.
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.81E-05	6.75E-05	6.63E-05	6.50E-05	6.22E-05	5.66E-05	5.16E-05	4.29E-05	2.71E-05	1.08E-05	4.27E-06
W187	4.33E-03	2.16E-03	1.07E-03	1.34E-04	4.10E-06	3.91E-09	3.69E-12	3.33E-20	0.	0.	0.
W188	2.40E-06	2.37E-06	2.35E-06	2.28E-06	2.18E-06	1.96E-06	1.78E-06	1.46E-06	8.83E-07	3.26E-07	1.20E-07
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	1.37E-03	9.93E-04	3.81E-04	7.72E-05	3.17E-06	1.30E-07	2.19E-10	2.56E-17	0.	0.	0.
U237	7.27E-01	6.56E-01	5.91E-01	4.35E-01	2.60E-01	9.31E-02	3.34E-02	4.27E-03	2.52E-05	2.71E-09	1.83E-09
U240	4.81E+00	1.48E+00	4.55E-01	1.32E-02	3.62E-05	2.72E-10	2.05E-15	1.16E-25	0.	0.	0.
NP237	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NP239	2.36E-03	3.60E+00	2.68E+00	1.11E+00	2.53E-01	1.32E-02	6.92E-04	1.90E-06	7.47E-13	1.78E-22	1.78E-22
NP240M	7.62E-03	1.49E+00	4.59E-01	1.33E-02	3.65E-05	2.75E-10	2.07E-15	1.16E-25	0.	0.	0.
AM241	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.57E-09
CM242	7.14E-08	7.10E-08	7.07E-08	6.99E-08	6.84E-08	6.55E-08	6.29E-08	5.77E-08	4.70E-08	3.06E-08	2.00E-08
GE 77	2.02E-02	1.27E-02	2.91E-03	3.52E-05	2.24E-08	9.07E-15	3.66E-21	5.97E-34	0.	0.	0.
AS 77	2.09E-04	3.09E-02	2.23E-02	6.46E-03	7.57E-04	1.03E-05	1.39E-07	2.57E-11	1.19E-20	2.55E-39	5.48E-58
SE 77M	8.24E-09	9.29E-05	6.69E-05	1.94E-05	2.26E-06	3.08E-08	4.18E-10	7.72E-14	3.57E-23	7.64E-42	1.65E-60
AS 78	3.88E-02	3.45E-04	1.01E-08	8.54E-23	0.	0.	0.	0.	0.	0.	0.
BR 82	7.53E-04	4.70E-04	2.94E-04	7.13E-05	6.76E-06	6.08E-08	5.45E-10	4.40E-14	2.57E-24	8.82E-45	3.00E-65
BR 83	5.76E-01	1.52E-02	1.53E-05	1.55E-14	1.58E-29	0.	0.	0.	0.	0.	0.
KR 83M	2.98E-05	6.64E-02	7.54E-05	6.77E-14	6.95E-29	0.	0.	0.	0.	0.	0.
KR 85M	5.66E-03	3.23E-01	7.36E-03	8.74E-08	5.39E-16	2.05E-32	7.76E-49	0.	0.	0.	0.
KR 85	5.85E-06	1.54E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.56E-04	1.54E-04	1.51E-04	1.49E-04
KR 87	7.25E+01	1.43E-04	2.83E-10	2.19E-27	0.	0.	0.	0.	0.	0.	0.
KR 88	4.32E+01	1.14E-01	2.98E-04	5.41E-12	6.82E-25	0.	0.	0.	0.	0.	0.
RB 88	1.10E+01	1.27E-01	3.34E-04	6.06E-12	7.60E-25	0.	0.	0.	0.	0.	0.
SR 89	4.10E-06	1.23E-01	1.21E-01	1.16E-01	1.09E-01	9.53E-02	8.33E-02	6.41E-02	3.28E-02	8.63E-03	2.28E-03
SR 90	7.73E-06	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.94E-04	7.87E-04	7.87E-04	7.80E-04
Y 90	1.15E-11	1.82E-04	3.22E-04	5.78E-04	7.38E-04	7.87E-04	7.94E-04	7.94E-04	7.87E-04	7.87E-04	7.80E-04
SR 91	8.24E-01	2.95E+00	5.28E-01	3.03E-03	5.54E-07	1.88E-14	6.37E-22	7.25E-37	0.	0.	0.

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	5.54E-05	1.91E+00	3.41E-01	1.96E-03	3.59E-07	1.21E-14	4.10E-22	4.68E-37	0.	0.	0.
Y 91	2.27E-08	9.06E-02	1.07E-01	1.07E-01	1.01E-01	8.96E-02	7.98E-02	6.32E-02	3.50E-02	1.08E-02	3.31E-03
SR 92	1.41E+00	1.76E-02	3.79E-05	3.81E-13	1.79E-26	0.	0.	0.	0.	0.	0.
Y 92	6.51E-02	1.84E-01	2.05E-03	1.58E-09	9.19E-20	3.14E-40	1.08E-60	0.	0.	0.	0.
Y 93	7.44E-02	5.03E-01	9.80E-02	7.37E-04	2.12E-07	1.75E-14	1.45E-21	9.87E-36	0.	0.	0.
ZR 95	1.51E-04	1.88E-02	1.86E-02	1.80E-02	1.71E-02	1.53E-02	1.38E-02	1.12E-02	6.54E-03	2.25E-03	7.73E-04
NB 95M	3.20E-12	6.37E-05	1.16E-04	2.22E-04	2.99E-04	3.16E-04	2.91E-04	2.36E-04	1.39E-04	4.77E-05	1.64E-05
NB 95	1.68E-11	3.64E-04	7.20E-04	1.72E-03	3.20E-03	5.53E-03	7.13E-03	8.85E-03	8.52E-03	4.09E-03	1.57E-03
ZR 97	3.98E-01	6.77E-01	2.55E-01	1.35E-02	1.01E-04	5.70E-09	3.20E-13	1.01E-21	5.72E-43	0.	0.
NB 97M	2.05E-03	6.50E-01	2.44E-01	1.30E-02	9.72E-05	5.48E-09	3.08E-13	9.72E-22	5.50E-43	0.	0.
NB 97	1.99E-01	6.80E-01	2.55E-01	1.36E-02	1.02E-04	6.14E-09	3.45E-13	1.10E-21	6.16E-43	0.	0.
MO 99	1.21E-03	3.93E-01	3.07E-01	1.45E-01	4.21E-02	3.52E-03	2.93E-04	2.05E-06	8.31E-12	1.37E-22	2.26E-33
TC 99M	1.12E-08	3.46E-01	2.91E-01	1.39E-01	4.02E-02	3.36E-03	2.80E-04	1.96E-06	7.93E-12	1.31E-22	2.16E-33
RU103	1.41E-04	3.21E-01	3.15E-01	2.98E-01	2.74E-01	2.30E-01	1.93E-01	1.36E-01	5.66E-02	9.82E-03	1.71E-03
RH103M	9.37E-09	3.21E-01	3.15E-01	2.99E-01	2.74E-01	2.30E-01	1.93E-01	1.36E-01	5.67E-02	9.82E-03	1.71E-03
RU105	9.17E-01	8.77E-01	2.06E-02	2.71E-07	1.98E-15	1.06E-31	5.67E-48	0.	0.	0.	0.
RH105M	6.03E-03	8.77E-01	2.07E-02	2.72E-07	1.99E-15	1.06E-31	5.68E-48	0.	0.	0.	0.
RH105	9.91E-09	3.17E+00	2.07E+00	5.15E-01	5.08E-02	4.94E-04	4.80E-06	4.53E-10	3.93E-20	2.95E-40	2.22E-60
RU106	8.63E-04	1.63E-02	1.63E-02	1.62E-02	1.61E-02	1.58E-02	1.54E-02	1.49E-02	1.35E-02	1.12E-02	9.27E-03
RH106	9.34E-06	1.63E-02	1.63E-02	1.62E-02	1.61E-02	1.58E-02	1.54E-02	1.49E-02	1.35E-02	1.12E-02	9.27E-03
PD109	2.86E-02	7.28E-01	2.12E-01	5.26E-03	1.11E-05	4.94E-11	2.20E-16	4.35E-27	0.	0.	0.
AG109M	1.65E-04	7.28E-01	2.12E-01	5.27E-03	1.11E-05	4.95E-11	2.20E-16	4.36E-27	0.	0.	0.
PD111M	3.42E+00	1.66E-01	8.07E-03	9.26E-07	2.50E-13	1.83E-26	1.34E-39	0.	0.	0.	0.
PD111	1.22E+00	1.34E-01	6.49E-03	7.44E-07	2.02E-13	1.47E-26	1.08E-39	0.	0.	0.	0.
AG111M	9.68E-03	1.75E-01	8.52E-03	9.79E-07	2.64E-13	1.94E-26	1.42E-39	0.	0.	0.	0.
AG111	3.45E-09	9.51E-02	9.14E-02	6.96E-02	4.38E-02	1.74E-02	6.90E-03	1.09E-03	1.07E-05	1.04E-09	1.00E-13
PD112	1.02E+00	4.65E-01	2.11E-01	1.96E-02	3.72E-04	1.35E-07	4.90E-11	6.43E-18	4.06E-35	0.	0.
AG112	3.09E-05	5.40E-01	2.48E-01	2.30E-02	4.40E-04	1.59E-07	5.78E-11	7.62E-18	4.78E-35	0.	0.
AG113	1.24E-02	1.31E-01	5.67E-03	4.60E-07	7.04E-14	1.65E-27	3.85E-41	0.	0.	0.	0.
CD115M	3.74E-08	1.08E-03	1.06E-03	1.01E-03	9.38E-04	7.96E-04	6.80E-04	4.91E-04	2.20E-04	4.36E-05	8.72E-06
CD115	1.45E-05	2.18E-01	1.60E-01	6.29E-02	1.33E-02	5.92E-04	2.64E-05	5.27E-08	9.31E-15	2.92E-28	9.12E-42
IN115M	1.80E-10	2.30E-01	1.74E-01	6.87E-02	1.45E-02	6.47E-04	2.88E-05	5.74E-08	1.02E-14	3.18E-28	9.96E-42
CD117	3.28E-01	7.15E-03	6.96E-06	6.50E-15	5.77E-30	0.	0.	0.	0.	0.	0.
IN117M	1.58E-05	2.97E-02	3.44E-05	3.31E-14	2.94E-29	0.	0.	0.	0.	0.	0.
IN117	6.34E-10	1.96E-02	2.32E-05	2.24E-14	1.99E-29	0.	0.	0.	0.	0.	0.
SN121	6.70E-03	3.82E-01	2.06E-01	3.25E-02	1.49E-03	3.14E-06	6.62E-09	2.95E-14	1.23E-27	0.	0.
SN123	3.07E-05	3.21E-03	3.18E-03	3.12E-03	3.04E-03	2.87E-03	2.72E-03	2.44E-03	1.85E-03	1.06E-03	6.10E-04
SN125	6.93E-02	6.44E-02	5.99E-02	4.79E-02	3.31E-02	1.59E-02	7.58E-03	1.73E-03	4.34E-05	2.73E-08	1.71E-11
SB125	4.16E-04	4.61E-04	5.05E-04	6.17E-04	7.56E-04	9.15E-04	9.86E-04	1.03E-03	1.01E-03	9.40E-04	8.77E-04
SB126	8.37E-03	7.92E-03	7.50E-03	6.34E-03	4.81E-03	2.75E-03	1.59E-03	5.23E-04	3.27E-05	1.59E-07	3.19E-08

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.94E+00	2.51E-03	9.13E-07	4.36E-17	2.73E-34	0.	0.	0.	0.	0.	0.
SB127	8.09E-02	3.32E-01	2.78E-01	1.62E-01	6.65E-02	1.11E-02	1.86E-03	5.19E-05	6.77E-09	1.16E-16	1.97E-24
TE127M	6.55E-10	5.07E-04	9.28E-04	1.80E-03	2.49E-03	2.75E-03	2.65E-03	2.35E-03	1.71E-03	9.04E-04	4.78E-04
TE127	4.57E-02	2.38E-01	2.33E-01	1.42E-01	6.01E-02	1.23E-02	4.22E-03	2.37E-03	1.69E-03	8.94E-04	4.72E-04
SB128	1.51E+00	2.58E-01	4.08E-02	1.59E-04	1.54E-08	1.45E-16	1.36E-24	1.20E-40	0.	0.	0.
SB129	6.96E+00	3.56E-01	7.43E-03	6.77E-08	2.69E-16	4.25E-33	6.71E-50	0.	0.	0.	0.
TE129M	1.31E-07	1.39E-02	1.39E-02	1.31E-02	1.18E-02	9.63E-03	7.83E-03	5.21E-03	1.88E-03	2.45E-04	3.19E-05
TE129	5.01E+00	4.17E-01	1.74E-02	8.37E-03	7.55E-03	6.16E-03	5.02E-03	3.34E-03	1.21E-03	1.57E-04	2.04E-05
I130	3.19E-02	8.35E-03	2.18E-03	3.91E-05	4.77E-08	7.11E-14	1.06E-19	2.36E-31	0.	0.	0.
TE131M	1.24E-04	4.34E-01	2.49E-01	4.72E-02	2.95E-03	1.15E-05	4.50E-08	6.87E-13	6.25E-25	0.	0.
TE131	1.14E+02	7.92E-02	4.55E-02	8.63E-03	5.38E-04	2.10E-06	8.21E-09	1.26E-13	1.14E-25	0.	0.
I131	1.66E-02	8.96E-01	8.47E-01	6.81E-01	4.48E-01	1.89E-01	8.01E-02	1.43E-02	1.93E-04	3.52E-08	6.41E-12
XE131M	4.50E-11	4.15E-04	7.88E-04	1.64E-03	2.35E-03	2.33E-03	1.73E-03	7.13E-04	4.75E-05	1.42E-07	4.01E-10
TE132	1.34E+00	2.66E+00	2.15E+00	1.13E+00	3.90E-01	4.62E-02	5.48E-03	7.69E-05	1.80E-09	9.85E-19	5.37E-28
I132	3.30E+00	2.74E+00	2.21E+00	1.16E+00	4.02E-01	4.76E-02	5.64E-03	7.93E-05	1.86E-09	1.01E-18	5.54E-28
I133	1.36E+00	7.60E+00	3.43E+00	3.18E-01	6.06E-03	2.20E-06	7.97E-10	1.05E-16	6.60E-34	0.	0.
XE133M	5.80E-08	7.17E-02	8.49E-02	4.98E-02	1.17E-02	5.49E-04	2.56E-05	5.54E-08	1.21E-14	5.80E-28	2.78E-41
XE133	1.01E-06	1.38E+00	1.85E+00	1.65E+00	9.01E-01	2.44E-01	6.55E-02	4.72E-03	6.57E-06	1.27E-11	2.47E-17
I135	2.28E+01	3.72E+00	3.11E-01	1.81E-04	7.34E-10	1.21E-20	1.99E-31	5.41E-53	0.	0.	0.
XE135M	2.52E-03	1.16E+00	9.70E-02	5.64E-05	2.29E-10	3.78E-21	6.22E-32	1.69E-53	0.	0.	0.
XE135	2.63E+00	1.00E+01	2.45E+00	1.40E-02	1.72E-06	2.41E-14	3.38E-22	6.69E-38	0.	0.	0.
CS136	2.53E-03	2.40E-03	2.27E-03	1.94E-03	1.48E-03	8.71E-04	5.12E-04	1.76E-04	1.22E-05	5.89E-08	2.86E-10
CS137	1.05E-04	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.12E-03	1.11E-03	1.11E-03
BA137M	2.20E-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	1.04E-03	1.03E-03
BA139	1.29E+01	1.38E-03	8.13E-09	1.67E-24	0.	0.	0.	0.	0.	0.	0.
BA140	1.18E-01	7.00E-01	6.66E-01	5.64E-01	4.30E-01	2.50E-01	1.46E-01	4.94E-02	3.29E-03	1.47E-05	6.49E-08
LA140	2.81E-07	2.44E-01	3.92E-01	5.42E-01	4.82E-01	2.88E-01	1.68E-01	5.70E-02	3.79E-03	1.69E-05	7.50E-08
LA141	1.03E+00	4.09E-01	5.74E-03	1.59E-08	8.69E-18	2.59E-36	7.74E-55	0.	0.	0.	0.
CE141	1.28E-07	1.41E-01	1.40E-01	1.32E-01	1.18E-01	9.57E-02	7.71E-02	5.02E-02	1.73E-02	2.03E-03	2.39E-04
LA142	1.69E+00	3.71E-04	7.18E-09	5.28E-23	0.	0.	0.	0.	0.	0.	0.
CE143	1.10E-02	4.54E-01	2.75E-01	6.05E-02	4.86E-03	3.15E-05	2.03E-07	8.53E-12	9.62E-23	0.	0.
PR143	3.23E-09	2.91E-02	4.52E-02	5.84E-02	5.01E-02	3.05E-02	1.84E-02	6.65E-03	5.32E-04	3.38E-06	2.14E-08
CE144	4.98E-04	3.56E-03	3.55E-03	3.52E-03	3.48E-03	3.40E-03	3.31E-03	3.16E-03	2.79E-03	2.19E-03	1.72E-03
PR144	1.37E-07	3.56E-03	3.55E-03	3.52E-03	3.48E-03	3.40E-03	3.31E-03	3.16E-03	2.79E-03	2.19E-03	1.72E-03
PR145	2.03E-02	2.08E-01	1.28E-02	3.05E-06	2.78E-12	2.30E-24	1.91E-36	0.	0.	0.	0.
ND147	2.78E-06	4.67E-02	4.39E-02	3.64E-02	2.66E-02	1.43E-02	7.64E-03	2.20E-03	9.62E-05	1.88E-07	3.64E-10
PM147	7.71E-15	3.50E-05	6.77E-05	1.55E-04	2.67E-04	4.08E-04	4.82E-04	5.37E-04	5.42E-04	5.05E-04	4.70E-04
ND149	4.88E+00	4.72E-04	4.58E-08	4.17E-20	3.56E-40	0.	0.	0.	0.	0.	0.
PM149	6.80E-04	1.25E-01	9.19E-02	3.59E-02	7.49E-03	3.27E-04	1.42E-05	2.70E-08	4.26E-15	1.05E-28	2.62E-42
PM150	5.51E-02	1.16E-04	2.45E-07	2.30E-15	9.62E-29	0.	0.	0.	0.	0.	0.

1 TEWA MICROCURIES/SQ METER

MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	1.36E-02	9.24E-02	5.10E-02	8.58E-03	4.40E-04	1.15E-06	3.04E-09	2.10E-14	2.63E-27	0.	0.
SM153	4.86E-02	3.42E-02	2.40E-02	8.28E-03	1.41E-03	4.10E-05	1.19E-06	9.99E-10	2.06E-17	8.78E-33	3.73E-48
SM156	4.27E-02	7.27E-03	1.24E-03	6.11E-06	8.80E-10	1.81E-17	3.73E-25	1.59E-40	0.	0.	0.
EU155	1.63E-06	5.51E-05	5.50E-05	5.50E-05	5.49E-05	5.47E-05	5.44E-05	5.40E-05	5.30E-05	5.09E-05	4.89E-05
EU156	1.25E-04	1.01E-03	1.12E-03	1.01E-03	8.01E-04	5.03E-04	3.17E-04	1.26E-04	1.25E-05	1.23E-07	1.21E-09
EU157	4.88E-03	5.64E-03	1.90E-03	7.12E-05	2.99E-07	5.27E-12	9.33E-17	2.90E-26	0.	0.	0.
GD159	9.17E-04	1.81E-03	7.19E-04	4.48E-05	4.41E-07	4.27E-11	4.14E-15	3.89E-23	3.32E-43	0.	0.
TB161	1.66E-05	1.09E-04	9.80E-05	7.25E-05	4.39E-05	1.61E-05	5.88E-06	7.88E-07	5.21E-09	2.25E-13	9.80E-18
TOTAL	3.30E+02	6.12E+01	2.73E+01	1.05E+01	5.02E+00	2.12E+00	1.26E+00	6.71E-01	2.69E-01	8.32E-02	4.06E-02

TEWA MICROCURIES/SQ METER
MR/HR AT H+12 HOURS = 1.000
FRACTION OF REFRACTORIES PRESENT = 0.100
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	6.54E-05	5.65E-07	5.25E-08	4.88E-09	3.93E-12	3.14E-15	2.35E-19	1.51E-25	0.	0.	0.
MN 54	4.43E-05	1.91E-05	1.26E-05	8.27E-06	2.36E-06	6.74E-07	1.27E-07	1.04E-08	2.44E-12	8.82E-18	3.19E-23
FE 59	8.22E-05	2.97E-07	1.78E-08	1.07E-09	2.32E-13	5.02E-17	6.54E-22	3.06E-29	0.	0.	0.
CO 57	1.82E-05	7.16E-06	4.48E-06	2.81E-06	6.94E-07	1.71E-07	2.64E-09	1.60E-09	1.40E-13	1.15E-19	0.
CO 58	1.01E-04	2.89E-06	4.90E-07	8.30E-08	4.04E-10	1.97E-12	1.62E-15	3.85E-20	1.47E-35	0.	0.
CO 60	1.01E-05	8.87E-06	8.27E-06	7.73E-06	6.35E-06	5.22E-06	4.01E-06	2.70E-06	7.25E-07	1.01E-07	1.39E-08
W181	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W185	6.81E-05	2.34E-06	4.34E-07	8.04E-08	5.11E-10	3.27E-12	3.84E-15	1.56E-19	0.	0.	0.
W188	2.40E-06	6.24E-08	1.01E-08	1.63E-09	6.86E-12	2.87E-14	1.95E-17	3.44E-22	0.	0.	0.
U234	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
U237	7.27E-01	1.81E-09	1.77E-09	1.72E-09	1.61E-09	1.49E-09	1.36E-09	1.18E-09	7.33E-10	3.59E-10	1.77E-10
AM241	1.57E-09	1.57E-09	1.57E-09	1.57E-09	1.58E-09	1.58E-09	1.58E-09	1.59E-09	1.60E-09	1.58E-09	1.56E-09
CM242	7.14E-08	1.51E-08	6.96E-09	3.20E-09	3.12E-10	3.04E-11	1.36E-12	1.29E-14	3.70E-19	3.45E-19	3.22E-19
KR 85	5.85E-06	1.45E-04	1.41E-04	1.36E-04	1.24E-04	1.12E-04	9.87E-05	8.13E-05	4.30E-05	1.64E-05	6.27E-06
SR 89	4.10E-06	9.59E-04	8.39E-05	7.37E-06	4.96E-09	3.35E-12	1.98E-16	8.99E-23	6.53E-44	0.	0.
SR 90	7.73E-06	7.73E-04	7.66E-04	7.59E-04	7.31E-04	7.03E-04	6.69E-04	6.21E-04	4.86E-04	3.35E-04	2.32E-04
Y 90	1.15E-11	7.73E-04	7.66E-04	7.59E-04	7.31E-04	7.03E-04	6.69E-04	6.21E-04	4.86E-04	3.35E-04	2.32E-04
Y 91	2.27E-08	1.53E-03	1.78E-04	2.07E-05	3.25E-08	5.10E-11	9.32E-15	2.29E-20	4.63E-39	0.	0.
ZR 95	1.51E-04	3.87E-04	5.52E-05	7.86E-06	2.29E-08	6.67E-11	2.76E-14	2.33E-19	2.85E-36	0.	0.
NB 95M	3.20E-12	8.19E-06	1.17E-06	1.67E-07	4.85E-10	1.41E-12	5.85E-16	4.94E-21	6.05E-38	0.	0.
NB 95	1.68E-11	8.32E-04	1.20E-04	1.70E-05	4.94E-08	1.43E-10	5.98E-14	5.05E-19	6.19E-36	0.	0.
RU103	1.41E-04	5.46E-04	2.24E-05	9.19E-07	6.27E-11	4.30E-15	1.21E-20	5.68E-29	0.	0.	0.
RH103M	9.37E-09	5.47E-04	2.24E-05	9.19E-07	6.28E-11	4.31E-15	1.21E-20	5.69E-29	0.	0.	0.
RU106	8.63E-04	8.20E-03	5.81E-03	4.12E-03	1.46E-03	5.20E-04	1.31E-04	1.66E-05	1.67E-08	5.37E-13	1.73E-17
RH106	9.34E-06	8.20E-03	5.81E-03	4.12E-03	1.46E-03	5.20E-04	1.31E-04	1.66E-05	1.67E-08	5.37E-13	1.73E-17
SN123	3.07E-05	4.25E-04	1.54E-04	5.60E-05	2.69E-06	1.29E-07	2.25E-09	5.18E-12	8.30E-21	5.35E-34	3.43E-47
SB125	4.16E-04	8.37E-04	7.36E-04	6.47E-04	4.41E-04	3.00E-04	1.79E-04	8.30E-05	6.38E-06	1.36E-07	2.89E-09
TE125M	1.12E-11	3.42E-04	3.04E-04	2.68E-04	1.83E-04	1.24E-04	7.43E-05	3.44E-05	2.64E-06	5.62E-08	1.20E-09
TE127M	6.55E-10	3.13E-04	9.80E-05	3.07E-05	9.44E-07	2.90E-08	2.79E-10	2.62E-13	2.16E-23	1.61E-38	1.20E-53
TE127	4.57E-02	3.10E-04	9.69E-05	3.03E-05	9.33E-07	2.87E-08	2.76E-10	2.60E-13	2.13E-23	1.59E-38	1.19E-53
CS137	1.05E-04	1.10E-03	1.09E-03	1.08E-03	1.04E-03	1.00E-03	9.58E-04	8.95E-04	7.07E-04	5.03E-04	3.55E-04
BA137M	2.20E-07	1.03E-03	1.02E-03	1.01E-03	9.70E-04	9.39E-04	8.95E-04	8.39E-04	6.63E-04	4.69E-04	3.32E-04
CE141	1.28E-07	5.50E-05	1.11E-06	2.22E-08	1.81E-13	1.47E-18	2.42E-25	1.60E-35	0.	0.	0.
CE144	4.98E-04	1.46E-03	9.41E-04	6.00E-04	1.58E-04	4.14E-05	6.97E-06	4.81E-07	6.47E-11	1.02E-16	1.58E-22
PR144	1.37E-07	1.46E-03	9.41E-04	6.00E-04	1.58E-04	4.14E-05	6.97E-06	4.81E-07	6.47E-11	1.02E-16	1.58E-22
PM147	7.71E-15	4.48E-04	3.92E-04	3.44E-04	2.31E-04	1.55E-04	9.13E-05	4.14E-05	2.94E-06	5.57E-08	1.05E-09
EU155	1.63E-06	4.76E-05	4.43E-05	4.12E-05	3.31E-05	2.66E-05	1.99E-05	1.28E-05	3.00E-06	3.37E-07	3.80E-08
TOTAL	7.75E-01	3.08E-02	1.96E-02	1.47E-02	7.74E-03	5.19E-03	3.93E-03	3.27E-03	2.40E-03	1.66E-03	1.16E-03

U. S. Government Printing Office: 1984/4-787-022/A4029