

Foodstuff Concentrations and Relocation Considerations Following a Tritium Oxide Release from SRS Tritium Facilities

by

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RECORDS ADMINISTRATION



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April 1999

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EXECUTIVE SUMMARY

The ingestion pathway consequences following an accidental tritium release from the Savannah River Site (SRS) Tritium Facilities are evaluated. Two releases, the Design Basis Fire (scenario 4-RD-1.2) and the Beyond Design Basis Fire (scenario 4- RD-1.3), are examined for both average and adverse meteorological conditions.

Tritium concentrations in vegetables, wheat grain, meat, and milk are calculated using the tritium dispersion and dose assessment model UFOTRI. For the design basis fire with average and adverse meteorological conditions, the peak HTO and one week concentrations for all foodstuffs exceed the DIL at 100 km. At one year for both meteorological conditions, wheat grain continues to exceed the DIL at 100 km.

For the beyond design basis fire with average and adverse meteorological conditions, the peak HTO and one week concentrations for all foodstuffs exceed the DIL at 100 km. At one year and average conditions, wheat grain exceeds the DIL at 100 km and the milk concentration at the site boundary is equal to the DIL. At one year and under adverse meteorological conditions, meat and milk exceed the DIL at the site boundary (11.54 km) and wheat grain exceeds the DIL at 100 km.

Additionally, the possible need for relocation of individuals in the area surrounding SRS following the accidental releases is examined. For the beyond design basis fire with adverse meteorological conditions, relocation would be recommended for individuals living downwind between the site boundary and approximately 15 km from the release.

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1.0 INTRODUCTION

Hypothetical accidental releases of radionuclides from nuclear facilities may cause contamination of food and forage. Numerous pathways exist for deposited radionuclides to reach man. The major pathways considered by recent Food and Drug Administration (FDA) guidance (FDA 1998) are analyzed in this report for two accidental tritium releases from the Savannah River Site (SRS) Tritium Facilities. Additionally, the potential need for relocation of individuals living in the area surrounding SRS is examined.

2.0 BACKGROUND

The scenarios examined and the tritium dispersion and dose assessment model UFOTRI are described below.

2.1 Scenarios Examined

Two accidental release scenarios, both with average and adverse meteorological conditions, are examined. The release scenarios, 4-RD-1.2 and 4-RD-1.3, are design basis (DB) and beyond design basis (BDB) fires, respectively, and are described in the Tritium Facilities EPHA, S-EHA-H-00006 (Davis 1998). Parameters describing the two scenarios are listed in Table 1.

**Table 1. Input Parameters for Tritium Facilities
Release Scenarios 4-RD-1.2 and 4-RD-1.3**

Parameter	DB Fire (4-RD-1.2)	BDB Fire* (4-RD-1.3)
Release Amount	1.9E+7 Ci	1.0E+8 Ci
Chemical Form	Tritium Oxide	Tritium Oxide
Release Height	200 ft	200 ft
Release Duration	30 min	30 min

* BDB Fire has an estimated frequency of less than 10^{-6} per year

Parameters for the average and adverse meteorological conditions are listed in Table 2 (Davis 1998).

**Table 2. Meteorological Input Parameters for Tritium Facilities
for Average and Adverse Conditions**

Parameter	Average Met.	Adverse Met.
Release Height	200 ft	200 ft
Wind Speed Height	10 m	10 m
Stability Class	C	E
Wind Speed	2.5 m/s	1.7 m/s
Inversion Layer	500 m	200 m
Temperature	25°C	29°C

2.2 UFOTRI

The tritium dispersion and dose assessment model UFOTRI (Unfallfolgenmodell für Tritiumfreisetzungen) has been chosen to model the SRS Tritium Facilities release. UFOTRI was developed at the German Karlsruhe laboratory to assess the radiological consequences of accidental atmospheric tritium releases (Raskob 1990, 1993). UFOTRI explicitly addresses all

applicable biophysics of tritium dispersion, its interaction in the environment, and the ultimate uptake by downwind receptors. UFOTRI realistically models the atmospheric dispersion, resuspension, and downwind deposition of tritium. Additionally, UFOTRI couples the short-term atmospheric dispersion model with a first-order compartment module that dynamically describes the long-term behavior of tritium in the environment (Raskob 1990, 1993).

Table 3 provides a listing of some of the additional parameters required in UFOTRI (the input file for the beyond design basis fire with average meteorological parameters is located in Appendix A).

Table 3. Additional Input parameters for UFOTRI

Additional Information		Meteorology	
Chemical Forms	0% HT / 100% HTO	No Rainfall	0 mm/h
No building wake effect model assumed		Thermal energy of release	0 cal/sec
Initial soil water content	35%	Wind direction (in degrees)	315
Relative humidity	0.8	Dispersion parameters	Briggs
Soil and vegetation		Code coefficients	
Soil type	Sandy loam	HTO dry deposition velocity*	0.5 cm/s
Pore volume (default)	50 %	HT dry deposition velocity*	0.05 cm/s

* Deposition is calculated in UFOTRI without user-specified constants; values are place holders.

3.0 FDA GUIDANCE AND EVALUATION CRITERIA

The Food and Drug Administration (FDA) Derived Intervention Levels (DILs) are limits on the concentrations permitted in human food distributed in commerce to prevent consumption of undesirable amounts of radionuclides and apply in the first year after an accident (FDA 1998). The DIL corresponds to the concentration in food present throughout the relevant period of time that, in the absence of any intervention, could lead to an individual receiving a radiation dose equal to the Protective Action Guide (PAG). The PAGs for the ingestion pathway are 0.5 rem committed effective dose equivalent or 5 rem committed dose equivalent to an individual tissue or organ, whichever is most limiting.

FDA (1998) places selected radionuclides into five primary groups, each with common characteristics. These groups are:

- Sr-90
- I-131
- Cs-134 + Cs-137
- Pu-238 + Pu-239 + Am-241
- Ru-103 + Ru-106

The five radionuclide groups are not sufficient to cover accidents at all types of facilities or locations. Appendix E of FDA (1998) presents DILs for 15 additional radionuclides. DILs for tritiated water (HTO) and organically bound tritium (OBT) were derived using methodology consistent with FDA (1998) and are listed in Table 4 (Tharakan 1999).

Table 4 Calculated DILs for HTO and OBT

Radionuclide / Group	DIL (Ci/g)	Radionuclide / Group	DIL (Ci/g)
HTO	5.9E-09	OBT	2.4E-09

To evaluate the release, calculated concentrations in vegetables, wheat grain, meat, and milk for multiple distances and times following the release will be compared with the HTO and OBT DILs. Tritium concentrations in grass, although calculated in UFOTRI, were not examined since grass is not directly consumed by humans. However, tritium concentrations in grass are indirectly incorporated via the meat and milk pathways. In all instances, the HTO and OBT concentrations will be summed prior to comparison with the appropriate DIL.

For short-term concentrations, the time at which the peak HTO concentration occurs in each food type will be examined. The summed HTO and OBT concentrations will be compared with the HTO DIL. In the time immediately following the release, the HTO concentration quickly reaches its peak and is the dominant form of tritium present in foodstuffs.

For long-term concentrations, two evaluation times - one week (168 hours) and one year (8760 hours) - will be examined. The OBT DIL will be used for these comparisons because the tritium will be incorporated into carbon compounds that have a greater biological half-life than HTO. For plants, the HTO half-life is approximately one hour while the OBT half-life ranges from 8 hours to over 10 days. Examination of long-term concentrations is useful to determine if intervention is still required.

Concentrations for both the short and long-term will be examined at the facility boundary (0.15 km), site boundary (11.54 km), 1 km, 10 km, 50 km, and 100 km from the release. The facility and site boundary concentrations may be used to determine if any intervention will be necessary. The 100 km value is used for comparison with the particulate concentrations. (The code used to calculate concentrations for particulates, HOTSPOT, calculates up to a maximum distance of 100 km.) The remaining distances are chosen for additional examination.

In addition to examining vegetation concentration, the potential need for relocation of individuals living in the area surround SRS will be examined. Relocation is necessary if the 1 year inhalation and skin absorption dose due to resuspension of tritium exceeds 2 rem. In UFOTRI, this is calculated as the difference between the inhalation dose with re-emission and dose due to the HTO plume.

4.0 RESULTS

Calculated tritium concentrations for average and adverse meteorological conditions for the design basis fire are presented in Tables 5 to 7 and 8 to 10, respectively, and in Tables 11 to 13 and 14 to 16 for the beyond design basis fire (summarized from Appendix B). Concentrations listed are the sum of the HTO and OBT concentrations. Values in bold surpass the appropriate DIL.

Table 5. Tritium Concentrations for Design Basis Fire, Average Met Conditions (Max HTO)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	5.9E-09	1.2E-03	2.6E-04	1.3E-05	1.3E-05	3.92E-06	1.5E-06
Wheat grain	5.9E-09	5.5E-04	1.2E-04	6.6E-06	6.4E-06	1.97E-06	9.9E-07
Meat	5.9E-09	5.3E-05	1.1E-05	6.7E-07	6.4E-07	1.20E-07	4.0E-08
Milk	5.9E-09	6.7E-05	1.4E-05	8.5E-07	8.1E-07	1.51E-07	5.0E-08

Table 6. Tritium Concentrations for Design Basis Fire, Average Met Conditions (1 week)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	1.4E-05	3.4E-06	2.4E-07	2.5E-07	7.8E-08	4.5E-08
Wheat grain	2.4E-09	9.6E-06	2.2E-06	1.6E-07	1.7E-07	5.2E-08	3.1E-08
Meat	2.4E-09	1.9E-05	4.3E-06	2.9E-07	2.9E-07	7.4E-08	3.6E-08
Milk	2.4E-09	3.3E-05	7.6E-06	5.1E-07	5.2E-07	1.4E-07	6.9E-08

Table 7. Tritium Concentrations for Design Basis Fire, Average Met Conditions (1 year)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	9.8E-10	2.3E-10	1.5E-11	1.6E-11	4.7E-12	2.6E-12
Wheat grain	2.4E-09	6.3E-06	1.5E-06	1.0E-07	1.1E-07	3.4E-08	2.0E-08
Meat	2.4E-09	2.1E-08	4.8E-09	3.3E-10	3.4E-10	1.0E-10	5.8E-11
Milk	2.4E-09	3.3E-08	7.7E-09	5.2E-10	5.4E-10	1.6E-10	9.2E-11

Table 8. Tritium Concentrations for Design Basis Fire, Adverse Met Conditions (Max HTO)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	5.9E-09	1.8E-05	5.6E-04	4.8E-05	5.0E-05	1.2E-05	5.1E-06
Wheat grain	5.9E-09	5.6E-06	1.7E-04	1.5E-05	1.4E-05	3.9E-06	1.7E-06
Meat	5.9E-09	6.8E-07	2.1E-05	1.9E-06	1.7E-06	2.8E-07	8.9E-08
Milk	5.9E-09	8.7E-07	2.7E-05	2.4E-06	2.2E-06	3.7E-07	1.1E-07

Table 9. Tritium Concentrations for Design Basis Fire, Adverse Met Conditions (1 week)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4 E-09	2.2E-07	7.0E-06	8.2E-07	9.0E-07	2.5E-07	1.2E-07
Wheat grain	2.4 E-09	1.1E-07	3.6E-06	4.5E-07	5.1E-07	1.5E-07	8.6E-08
Meat	2.4 E-09	2.6E-07	8.1E-06	9.1E-07	9.6E-07	2.2E-07	1.0E-07
Milk	2.4 E-09	4.3E-07	1.4E-05	1.5E-06	1.6E-06	3.9E-07	1.9E-07

Table 10. Tritium Concentrations for Design Basis Fire, Adverse Met Conditions (1 year)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4 E-09	1.2E-11	3.8E-10	4.2E-11	4.6E-11	1.2E-11	5.79E-12
Wheat grain	2.4 E-09	7.4E-08	2.4E-06	2.8E-07	3.1E-07	8.6E-08	4.42E-08
Meat	2.4 E-09	2.4E-10	7.8E-09	9.0E-10	9.8E-10	2.6E-10	1.33E-10
Milk	2.4 E-09	3.8E-10	1.2E-08	1.4E-09	1.5E-09	4.1E-10	2.04E-10

Table 11. Tritium Concentrations for Beyond Design Basis Fire, Average Met Conditions (Max HTO)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	5.9 E-09	4.4E-03	1.0E-03	5.3E-05	5.2E-05	1.5E-05	5.9E-06
Wheat grain	5.9 E-09	2.5E-03	5.3E-04	3.0E-05	3.0E-05	9.3E-06	4.5E-06
Meat	5.9 E-09	2.2E-04	4.8E-05	2.8E-06	2.7E-06	5.5E-07	1.8E-07
Milk	5.9 E-09	2.8E-04	6.0E-05	3.6E-06	3.4E-06	6.9E-07	2.2E-07

Table 12. Tritium Concentrations for Beyond Design Basis Fire, Average Met Conditions (1 week)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	6.6E-05	1.5E-05	1.1E-06	1.1E-06	3.5E-07	2.1E-07
Wheat grain	2.4E-09	4.5E-05	1.0E-05	7.3E-07	7.7E-07	2.5E-07	1.5E-07
Meat	2.4E-09	8.7E-05	2.0E-05	1.3E-06	1.3E-06	3.5E-07	1.7E-07
Milk	2.4E-09	1.5E-04	3.4E-05	2.3E-06	2.3E-06	6.3E-07	3.1E-07

Table 13. Tritium Concentrations for Beyond Design Basis Fire, Average Met Conditions (1 year)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	4.8E-09	1.1E-09	7.5E-11	7.8E-11	2.3E-11	1.3E-11
Wheat grain	2.4E-09	2.8E-05	6.5E-06	4.5E-07	4.7E-07	1.5E-07	8.8E-08
Meat	2.4E-09	9.1E-08	2.1E-08	1.4E-09	1.5E-09	4.6E-10	2.6E-10
Milk	2.4E-09	1.5E-07	3.4E-08	2.3E-09	2.4E-09	7.3E-10	4.2E-10

Table 14. Tritium Concentrations for Beyond Design Basis Fire, Adverse Met Conditions (Max HTO)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	5.9E-09	9.5E-05	3.0E-03	2.5E-04	2.6E-04	6.5E-05	2.7E-05
Wheat grain	5.9E-09	2.9E-05	9.0E-04	7.9E-05	7.6E-05	2.1E-05	8.7E-06
Meat	5.9E-09	3.6E-06	1.1E-04	9.9E-06	9.0E-06	1.5E-06	4.7E-07
Milk	5.9E-09	4.6E-06	1.4E-04	1.2E-05	1.1E-05	1.9E-06	5.9E-07

Table 15. Tritium Concentrations for Beyond Design Basis Fire, Adverse Met Conditions (1 week)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	1.1E-06	3.7E-05	4.3E-06	4.7E-06	1.3E-06	6.5E-07
Wheat grain	2.4E-09	5.8E-07	1.9E-05	2.4E-06	2.7E-06	8.0E-07	4.5E-07
Meat	2.4E-09	1.3E-06	4.3E-05	4.8E-06	5.1E-06	1.2E-06	5.5E-07
Milk	2.4E-09	2.2E-06	7.2E-05	8.1E-06	8.6E-06	2.1E-06	1.0E-06

Table 16. Tritium Concentrations for Beyond Design Basis Fire, Adverse Met Conditions (1 year)

Pathway	DIL Ci/g	0.15 km Ci/g	1 km Ci/g	10 km Ci/g	11.54 km Ci/g	50 km Ci/g	100 km Ci/g
Vegetable	2.4E-09	6.2E-11	2.0E-09	2.2E-10	2.4E-10	6.3E-11	3.0E-11
Wheat grain	2.4E-09	3.9E-07	1.3E-05	1.5E-06	1.6E-06	4.5E-07	2.3E-07
Meat	2.4E-09	1.3E-09	4.1E-08	4.7E-09	5.2E-09	1.4E-09	7.0E-10
Milk	2.4E-09	2.0E-09	6.4E-08	7.3E-09	8.0E-09	2.1E-09	1.1E-09

The doses due to re-suspension at multiple distances are shown in Table 17 (taken from Appendix B). Values in bold exceed the relocation dose criteria of 2 rem. It is evident that relocation is not necessary for the design basis fire or the beyond design basis fire with average

met conditions since the site boundary is 11.54 km from the release. For the beyond design basis fire with adverse meteorological conditions, relocation would be recommended for individuals living downwind between the site boundary and approximately 15.00 km from the release.

Table 17. Inhalation and Skin Absorption Dose due to 1 year Re-emission (rem)

Distance (m)	DB Fire – Average Met	DB Fire – Adverse Met	BDB Fire – Average Met	BDB Fire – Adverse Met
150	0.05	0.00	0.26	0.00
500	0.43	0.14	2.24	0.74
1000	0.41	0.52	2.14	2.74
3500	0.15	0.39	0.79	2.05
5000	0.11	0.41	0.57	2.16
7500	0.07	0.35	0.37	1.83
10000	0.07	0.33	0.36	1.71
10800	0.09	0.42	0.46	2.20
11540	0.09	0.47	0.48	2.49
15000	0.06	0.30	0.32	1.49
18000	0.06	0.29	0.32	1.42
21000	0.06	0.28	0.32	1.38
30000	0.04	0.17	0.19	0.91
50000	0.03	0.12	0.16	0.66
75000	0.03	0.09	0.14	0.48
100000	0.02	0.07	0.12	0.39

5.0 CONCLUSIONS

Tritium concentrations in vegetables, wheat grain, meat, and milk have been calculated for the Tritium Facilities design and beyond design basis fires with average and adverse meteorological conditions. Peak HTO, one week, and one year concentrations were evaluated and compared with the DILs. Bold values in Tables 5 to 16 indicate the concentrations exceeding the DIL.

For the design basis fire with average (defined as C stability and 2.5 m/s windspeed) and adverse (defined as E stability and 1.7 m/s windspeed) meteorological conditions, the peak HTO and one week concentrations for all foodstuffs exceed the DIL at 100 km. At one year for both meteorological conditions, wheat grain continues to exceed the DIL at 100 km.

For the beyond design basis fire with average and adverse meteorological conditions, the peak HTO and one week concentrations for all foodstuffs exceed the DIL at 100 km. At one year and average conditions, wheat grain exceeds the DIL at 100 km and the milk concentration at the site boundary is equal to the DIL. At one year and under adverse meteorological conditions, meat and milk exceed the DIL at the site boundary (11.54 km) and wheat grain exceeds the DIL at 100 km.

Additionally, for the beyond design basis fire with adverse meteorological conditions, relocation would be recommended for individuals living downwind between the site boundary and approximately 15 km from the release. It should be noted, however, that the likelihood of this scenario is in the beyond extremely unlikely category (less than once in one million years).

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APPENDIX A ANNUAL CONCENTRATIONS RESULTING IN EPA STANDARDS

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& SIGMA PARAMETER: BRIGGS PARAM. DATA SET: IPZ and F 1 *
& RELEASE HEIGHT: 60M 3.7E18 Bq BDBAVG *
& 2045 POP. OUT TO 80.5 KM NSHFT=2 4/06/99 NSTOP=168 *
& RCMIN=7 PER CH. E. MURPHY CASE 10 0m - STACK 1 M X 1 M *
POLGRID
&GRDPAR
IMAX=13,JMAX=72,
R= 150., 500., 1000., 3500., 5000., 7500., 10000., 10800.,
11540., 30000., 50000., 75000., 100000.
RA= 350., 990., 1010., 4950., 5050., 9900., 10100., 11500.,
11600., 49900., 50100., 99900., 100100.
&END
ISOTOPE
&ISOPAR
NABL=2,
VA=5.E-4,0.005,
IWASH=0
&END
SOURCE
BDBAVG          1          1          0
0          60      0.000E0      1.000E0      1.000E0
METEOZON
SRSHTOST          1          1      0      1      2      10      0
4332
00HOMOGEN          2      1.00E- 0
5.69E+01          8
0          0          0          0          0          0          0
0          0          0          0          0          0          0
0
.
.
. (total of 72)          0          0          0          0          0          0
0          0
PRINTOUT
&OUTPAR
NOOTKZ=1,NOOTMT=0,
IACT=13*1
&END
METEOROL
&METPAR
METIN=1,IWNR=315,IWNRG=250,IREGN=0,IDIKAT=3,
KLUGSI=2, IRELTS=1 RELTA=10., RELTN=60., RELTP=0.20,
IRELRS=1, RELRA=3., RELRN=100.,
NOSHFT=2,MIXLH=1600,1200,500,400,200,150,
WPE=0.08, 0.10, 0.11, 0.18, 0.31, 0.42
&END
END
&TRIDAT
NJAHRE=1,LWETE=3000,INUKL=2,IPRPLT=1,IWRITE=0,
IDMP=1,IDMPMX=13,JDMP=1,JDMPMX=72,IFACHS=28,
IEINR1=1,IEINR2=1,IEINR3=12,IEINR4=13,

```


LT1=1,LT2=365,LT3=366,LT4=730,
NSTOP=70,BODFAK=1.E+2,REMRE=0.3,IZFREI=1800,IFLENG=0,BODEIN=0.35,
IRFIX=0,REFEST=5.0,ITEMPE=2500,ISTRBE=200,ISTRGR=200,
RELFA=0.8,ARAU=0.1,
IZUSD=0,IZUAUS=0,KAUSDR=0,1,0,0,0,0,0,0,0,0,0,0,0,
Q(2,1)=1.0,Q(1,1)=0.0,Q1=3.7E18,
NBOX=10,NINI=10,NINT=10,NOUT=10,NTIM=3,ITIMD=9,NCOW=250,
WWCOW=350.,WOCOW=150.
TIMEDO=0.,3.,7.,14.,21.,30.,90.,180.,200.,365.,370.,3650.,
FAK1=0.5,FAK2=0.35,FAKCP=0.05,FAKCW=0.1,
RCMIN=7.,LEAF=5.,BEWG=269.,BEWZ=156.,
RCMIN2=2.,LEAF2=3.,BEWG2=680.,BEWZ2=170.,
RCMINP=2.,LEAFP=4.7,BEWGP=2700.,BEWZP=300.,
RCMINW=2.,LEAFW=7.,BEGW=2000.,BEWZW=500.,
IPOT=233,IWHEAT=261,IMILK=315,IVEGE=124,IMEAT=206,DOSF=1.7E-11,
DOSHT=1.7E-15,DOSFOB=4.0E-11,BRRATE=3.33E-4,SKRATE=1.665E-04,
IMODEL=1,IARTBO=2,WILTP=0.1,SOILMX=0.5,IBODEX=1,
IMONT=1,IRRIGA=0,IRRIGG=0,IFLAGS=1,IFLAGR=1,IDEPHT=1,
IBODFX=0,ICOVER=1,IRELIN=181,IPHOTO=1,IARIV=0
&END

APPENDIX B RADIONUCLIDE CONCENTRATIONS IN FOODSTUFFS

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 150 m from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	3.49E+06	1.69E+04	6.32E+05	2.09E+03	6.51E+04	1.30E+01	7.89E+03	3.37E+03
2	1.38E+06	2.33E+04	9.49E+05	3.75E+03	9.76E+04	3.31E+01	1.75E+04	7.56E+03
3	5.67E+05	2.59E+04	1.07E+06	5.06E+03	1.17E+05	5.73E+01	2.71E+04	1.17E+04
4	2.54E+05	2.69E+04	1.08E+06	6.12E+03	1.28E+05	8.39E+01	3.59E+04	1.56E+04
5	1.33E+05	2.73E+04	1.02E+06	6.95E+03	1.34E+05	1.12E+02	4.37E+04	1.91E+04
6	8.64E+04	2.75E+04	9.20E+05	7.62E+03	1.33E+05	1.26E+02	1.29E+05	4.01E+04
7	6.79E+04	2.77E+04	8.13E+05	8.16E+03	1.32E+05	1.40E+02	1.28E+05	3.99E+04
8	6.03E+04	2.77E+04	7.05E+05	8.58E+03	1.31E+05	1.54E+02	1.28E+05	3.98E+04
9	5.69E+04	2.78E+04	6.03E+05	8.93E+03	1.29E+05	1.68E+02	1.27E+05	3.96E+04
10	5.51E+04	2.79E+04	5.10E+05	9.20E+03	1.28E+05	1.82E+02	1.27E+05	3.94E+04
11	5.39E+04	2.80E+04	4.29E+05	9.43E+03	1.27E+05	1.95E+02	1.26E+05	3.93E+04
12	5.30E+04	2.80E+04	3.58E+05	9.61E+03	1.26E+05	2.09E+02	1.26E+05	3.91E+04
13	5.22E+04	2.81E+04	2.98E+05	9.75E+03	1.25E+05	2.22E+02	1.25E+05	3.89E+04
14	5.14E+04	2.81E+04	2.47E+05	9.87E+03	1.24E+05	2.35E+02	1.24E+05	3.88E+04
15	5.06E+04	2.82E+04	2.05E+05	9.97E+03	1.23E+05	2.48E+02	1.24E+05	3.86E+04
16	4.99E+04	2.83E+04	1.70E+05	1.01E+04	1.22E+05	2.61E+02	1.23E+05	3.85E+04
17	4.91E+04	2.83E+04	1.41E+05	1.01E+04	1.21E+05	2.74E+02	1.23E+05	3.83E+04
18	4.84E+04	2.84E+04	1.17E+05	1.02E+04	1.21E+05	3.02E+02	1.17E+05	5.49E+04
19	4.78E+04	2.84E+04	9.81E+04	1.02E+04	1.20E+05	3.30E+02	1.17E+05	5.49E+04
20	4.71E+04	2.85E+04	8.23E+04	1.03E+04	1.20E+05	3.58E+02	1.16E+05	5.48E+04
21	4.64E+04	2.85E+04	6.96E+04	1.03E+04	1.19E+05	3.86E+02	1.16E+05	5.47E+04
22	4.58E+04	2.86E+04	5.92E+04	1.03E+04	1.19E+05	4.14E+02	1.16E+05	5.47E+04
23	4.52E+04	2.86E+04	5.08E+04	1.04E+04	1.18E+05	4.41E+02	1.16E+05	5.46E+04
24	4.46E+04	2.87E+04	4.40E+04	1.04E+04	1.18E+05	4.69E+02	1.15E+05	5.45E+04
25	4.40E+04	2.87E+04	3.85E+04	1.04E+04	1.17E+05	4.96E+02	1.15E+05	5.45E+04
26	4.34E+04	2.87E+04	3.40E+04	1.05E+04	1.17E+05	5.24E+02	1.15E+05	5.44E+04
27	4.29E+04	2.88E+04	3.04E+04	1.05E+04	1.16E+05	5.51E+02	1.15E+05	5.43E+04
28	4.23E+04	2.88E+04	2.75E+04	1.05E+04	1.16E+05	5.79E+02	1.14E+05	5.42E+04
29	4.18E+04	2.89E+04	2.52E+04	1.05E+04	1.15E+05	6.06E+02	1.14E+05	5.42E+04
30	4.13E+04	2.89E+04	2.32E+04	1.05E+04	1.14E+05	6.18E+02	1.11E+05	3.45E+04
31	4.08E+04	2.89E+04	2.17E+04	1.05E+04	1.13E+05	6.29E+02	1.10E+05	3.44E+04
32	4.03E+04	2.90E+04	2.04E+04	1.06E+04	1.12E+05	6.41E+02	1.10E+05	3.43E+04
33	3.99E+04	2.90E+04	1.93E+04	1.06E+04	1.11E+05	6.52E+02	1.09E+05	3.41E+04
34	3.94E+04	2.91E+04	1.85E+04	1.06E+04	1.10E+05	6.64E+02	1.09E+05	3.40E+04
35	3.90E+04	2.91E+04	1.77E+04	1.06E+04	1.09E+05	6.75E+02	1.08E+05	3.38E+04
36	3.85E+04	2.91E+04	1.71E+04	1.06E+04	1.08E+05	6.86E+02	1.08E+05	3.37E+04
37	3.81E+04	2.92E+04	1.66E+04	1.06E+04	1.08E+05	6.97E+02	1.07E+05	3.36E+04

38	3.77E+04	2.92E+04	1.62E+04	1.07E+04	1.07E+05	7.08E+02	1.07E+05	3.34E+04
39	3.73E+04	2.92E+04	1.58E+04	1.07E+04	1.06E+05	7.19E+02	1.07E+05	3.33E+04
40	3.69E+04	2.93E+04	1.55E+04	1.07E+04	1.05E+05	7.30E+02	1.06E+05	3.31E+04
41	3.66E+04	2.93E+04	1.52E+04	1.07E+04	1.04E+05	7.41E+02	1.06E+05	3.30E+04
42	3.62E+04	2.93E+04	1.49E+04	1.07E+04	1.04E+05	7.67E+02	1.00E+05	5.02E+04
43	3.59E+04	2.93E+04	1.47E+04	1.07E+04	1.03E+05	7.93E+02	1.00E+05	5.01E+04
44	3.55E+04	2.94E+04	1.45E+04	1.07E+04	1.03E+05	8.19E+02	9.98E+04	5.00E+04
45	3.52E+04	2.94E+04	1.43E+04	1.08E+04	1.02E+05	8.45E+02	9.96E+04	4.99E+04
46	3.49E+04	2.94E+04	1.41E+04	1.08E+04	1.02E+05	8.70E+02	9.94E+04	4.98E+04
47	3.46E+04	2.94E+04	1.40E+04	1.08E+04	1.01E+05	8.96E+02	9.91E+04	4.98E+04
48	3.43E+04	2.95E+04	1.38E+04	1.08E+04	1.01E+05	9.22E+02	9.89E+04	4.97E+04
49	3.40E+04	2.95E+04	1.37E+04	1.08E+04	1.00E+05	9.47E+02	9.86E+04	4.96E+04
50	3.37E+04	2.95E+04	1.35E+04	1.08E+04	9.96E+04	9.73E+02	9.84E+04	4.95E+04
51	3.34E+04	2.95E+04	1.34E+04	1.08E+04	9.91E+04	9.98E+02	9.82E+04	4.95E+04
52	3.32E+04	2.96E+04	1.33E+04	1.08E+04	9.86E+04	1.02E+03	9.79E+04	4.94E+04
53	3.29E+04	2.96E+04	1.31E+04	1.09E+04	9.81E+04	1.05E+03	9.77E+04	4.93E+04
54	3.27E+04	2.96E+04	1.30E+04	1.09E+04	9.73E+04	1.06E+03	9.43E+04	2.96E+04
55	3.24E+04	2.96E+04	1.29E+04	1.09E+04	9.65E+04	1.07E+03	9.39E+04	2.94E+04
56	3.22E+04	2.96E+04	1.28E+04	1.09E+04	9.57E+04	1.08E+03	9.35E+04	2.93E+04
57	3.20E+04	2.97E+04	1.27E+04	1.09E+04	9.49E+04	1.09E+03	9.31E+04	2.92E+04
58	3.17E+04	2.97E+04	1.26E+04	1.09E+04	9.41E+04	1.10E+03	9.27E+04	2.91E+04
59	3.15E+04	2.97E+04	1.25E+04	1.09E+04	9.33E+04	1.11E+03	9.23E+04	2.90E+04
60	3.13E+04	2.97E+04	1.24E+04	1.09E+04	9.25E+04	1.11E+03	9.20E+04	2.88E+04
61	3.11E+04	2.97E+04	1.23E+04	1.10E+04	9.17E+04	1.12E+03	9.16E+04	2.87E+04
62	3.09E+04	2.98E+04	1.22E+04	1.10E+04	9.10E+04	1.13E+03	9.12E+04	2.86E+04
63	3.08E+04	2.98E+04	1.22E+04	1.10E+04	9.02E+04	1.14E+03	9.08E+04	2.85E+04
64	3.06E+04	2.98E+04	1.21E+04	1.10E+04	8.94E+04	1.15E+03	9.04E+04	2.84E+04
65	3.04E+04	2.98E+04	1.20E+04	1.10E+04	8.87E+04	1.16E+03	9.01E+04	2.83E+04
66	3.02E+04	2.98E+04	1.19E+04	1.10E+04	8.83E+04	1.18E+03	8.56E+04	4.56E+04
67	3.01E+04	2.99E+04	1.18E+04	1.10E+04	8.78E+04	1.21E+03	8.53E+04	4.55E+04
68	2.99E+04	2.99E+04	1.18E+04	1.10E+04	8.74E+04	1.23E+03	8.51E+04	4.55E+04
69	2.98E+04	2.99E+04	1.17E+04	1.10E+04	8.70E+04	1.26E+03	8.49E+04	4.54E+04
168	1.25E+04	2.99E+04	9.58E+03	1.19E+04	4.71E+04	2.72E+03	4.93E+04	3.35E+04
336	5.95E+03	2.50E+04	4.86E+03	1.26E+04	1.82E+04	4.91E+03	2.93E+04	2.52E+04
504	4.37E+03	2.07E+04	3.33E+03	1.31E+04	8.49E+03	6.07E+03	1.22E+04	1.65E+04
720	3.19E+03	1.61E+04	2.23E+03	1.34E+04	4.19E+03	6.68E+03	5.81E+03	1.14E+04
2160	5.98E+02	3.02E+03	2.51E+02	1.41E+04	3.72E+02	3.88E+03	1.31E+03	3.89E+03
4320	5.75E+01	2.55E+02	1.26E+03	1.35E+04	6.00E+01	9.22E+02	1.56E+02	6.06E+02
4800	3.42E+01	1.48E+02	1.26E+03	1.35E+04	4.34E+01	6.63E+02	5.12E+01	1.97E+02
8760	4.70E-01	1.81E+00	1.23E+03	1.31E+04	3.47E+00	4.35E+01	1.58E+01	5.75E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)

Peak HTO								
1/4/5/6	3.49E+06	1.69E+04	1.08E+06	6.12E+03	1.34E+05	1.12E+02	1.29E+05	4.01E+04
SUM	3.51E+06		1.08E+06		1.34E+05		1.69E+05	
Ci/g	9.48E-05		2.92E-05		3.62E-06		4.56E-06	
DIL HTO	5.9E-09							
(Ci/g)								
168	1.25E+04	2.99E+04	9.58E+03	1.19E+04	4.71E+04	2.72E+03	4.93E+04	3.35E+04
SUM	4.24E+04		2.15E+04		4.98E+04		8.28E+04	
Ci/g	1.15E-06		5.80E-07		1.35E-06		2.24E-06	
DIL OBT	2.4E-09							
Ci/g								
8760	4.70E+01	1.81E+00	1.23E+03	1.31E+04	3.47E+00	4.35E+01	1.58E+01	5.75E+01
SUM	2.28E+00		1.43E+04		4.69E+01		7.33E+01	
Ci/g	6.17E-11		3.87E-07		1.27E-09		1.98E-09	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 1 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.10E+08	5.06E+05	1.90E+07	6.27E+04	1.96E+06	3.92E+02	2.37E+05	1.01E+05
2	4.58E+07	7.09E+05	2.88E+07	1.14E+05	2.97E+06	1.00E+03	5.31E+05	2.29E+05
3	2.03E+07	7.93E+05	3.28E+07	1.55E+05	3.57E+06	1.74E+03	8.23E+05	3.57E+05
4	1.00E+07	8.30E+05	3.32E+07	1.87E+05	3.93E+06	2.56E+03	1.10E+06	4.76E+05
5	5.80E+06	8.48E+05	3.15E+07	2.14E+05	4.14E+06	3.43E+03	1.34E+06	5.84E+05
6	4.00E+06	8.57E+05	2.88E+07	2.35E+05	4.11E+06	3.87E+03	3.98E+06	1.24E+06
7	3.20E+06	8.64E+05	2.56E+07	2.53E+05	4.08E+06	4.30E+03	3.97E+06	1.24E+06
8	2.81E+06	8.68E+05	2.23E+07	2.67E+05	4.04E+06	4.74E+03	3.95E+06	1.23E+06
9	2.59E+06	8.72E+05	1.92E+07	2.78E+05	4.01E+06	5.16E+03	3.93E+06	1.23E+06
10	2.46E+06	8.76E+05	1.64E+07	2.87E+05	3.98E+06	5.59E+03	3.92E+06	1.22E+06
11	2.36E+06	8.79E+05	1.38E+07	2.94E+05	3.94E+06	6.01E+03	3.90E+06	1.22E+06
12	2.29E+06	8.83E+05	1.17E+07	3.01E+05	3.91E+06	6.43E+03	3.89E+06	1.21E+06
13	2.23E+06	8.86E+05	9.78E+06	3.06E+05	3.88E+06	6.84E+03	3.87E+06	1.21E+06
14	2.17E+06	8.89E+05	8.20E+06	3.10E+05	3.85E+06	7.25E+03	3.85E+06	1.20E+06
15	2.12E+06	8.92E+05	6.87E+06	3.13E+05	3.81E+06	7.65E+03	3.84E+06	1.20E+06
16	2.08E+06	8.94E+05	5.76E+06	3.16E+05	3.78E+06	8.05E+03	3.82E+06	1.19E+06
17	2.03E+06	8.97E+05	4.85E+06	3.19E+05	3.75E+06	8.45E+03	3.81E+06	1.19E+06
18	1.99E+06	9.00E+05	4.09E+06	3.21E+05	3.74E+06	9.33E+03	3.63E+06	1.72E+06
19	1.95E+06	9.02E+05	3.47E+06	3.23E+05	3.73E+06	1.02E+04	3.62E+06	1.72E+06
20	1.91E+06	9.04E+05	2.97E+06	3.25E+05	3.72E+06	1.11E+04	3.62E+06	1.72E+06
21	1.87E+06	9.07E+05	2.55E+06	3.26E+05	3.71E+06	1.20E+04	3.61E+06	1.71E+06
22	1.84E+06	9.09E+05	2.21E+06	3.28E+05	3.70E+06	1.28E+04	3.61E+06	1.71E+06
23	1.80E+06	9.11E+05	1.94E+06	3.29E+05	3.69E+06	1.37E+04	3.60E+06	1.71E+06
24	1.76E+06	9.13E+05	1.71E+06	3.30E+05	3.68E+06	1.46E+04	3.60E+06	1.71E+06
25	1.72E+06	9.15E+05	1.52E+06	3.31E+05	3.67E+06	1.55E+04	3.59E+06	1.71E+06
26	1.69E+06	9.17E+05	1.37E+06	3.32E+05	3.65E+06	1.63E+04	3.59E+06	1.71E+06
27	1.66E+06	9.19E+05	1.25E+06	3.33E+05	3.64E+06	1.72E+04	3.58E+06	1.71E+06
28	1.63E+06	9.21E+05	1.14E+06	3.34E+05	3.63E+06	1.81E+04	3.58E+06	1.71E+06
29	1.61E+06	9.23E+05	1.06E+06	3.34E+05	3.62E+06	1.89E+04	3.57E+06	1.70E+06
30	1.58E+06	9.25E+05	9.86E+05	3.35E+05	3.59E+06	1.93E+04	3.48E+06	1.09E+06
31	1.56E+06	9.27E+05	9.26E+05	3.36E+05	3.56E+06	1.97E+04	3.46E+06	1.08E+06
32	1.54E+06	9.28E+05	8.77E+05	3.37E+05	3.53E+06	2.00E+04	3.45E+06	1.08E+06
33	1.51E+06	9.30E+05	8.35E+05	3.37E+05	3.50E+06	2.04E+04	3.43E+06	1.07E+06
34	1.49E+06	9.31E+05	8.00E+05	3.38E+05	3.47E+06	2.08E+04	3.42E+06	1.07E+06
35	1.47E+06	9.33E+05	7.70E+05	3.39E+05	3.44E+06	2.11E+04	3.40E+06	1.06E+06
36	1.45E+06	9.34E+05	7.44E+05	3.39E+05	3.41E+06	2.15E+04	3.39E+06	1.06E+06
37	1.40E+06	9.36E+05	7.22E+05	3.40E+05	3.38E+06	2.18E+04	3.38E+06	1.06E+06
38	1.37E+06	9.37E+05	7.00E+05	3.41E+05	3.35E+06	2.22E+04	3.36E+06	1.05E+06

39	1.35E+06	9.39E+05	6.80E+05	3.41E+05	3.33E+06	2.25E+04	3.35E+06	1.05E+06
40	1.33E+06	9.40E+05	6.61E+05	3.42E+05	3.30E+06	2.28E+04	3.34E+06	1.04E+06
41	1.31E+06	9.41E+05	6.43E+05	3.43E+05	3.27E+06	2.32E+04	3.32E+06	1.04E+06
42	1.30E+06	9.42E+05	6.28E+05	3.43E+05	3.26E+06	2.40E+04	3.16E+06	1.59E+06
43	1.28E+06	9.43E+05	6.13E+05	3.44E+05	3.24E+06	2.48E+04	3.15E+06	1.59E+06
44	1.27E+06	9.44E+05	6.00E+05	3.44E+05	3.23E+06	2.57E+04	3.14E+06	1.59E+06
45	1.25E+06	9.46E+05	5.88E+05	3.45E+05	3.22E+06	2.65E+04	3.14E+06	1.59E+06
46	1.24E+06	9.47E+05	5.77E+05	3.45E+05	3.20E+06	2.73E+04	3.13E+06	1.58E+06
47	1.22E+06	9.48E+05	5.66E+05	3.46E+05	3.19E+06	2.81E+04	3.12E+06	1.58E+06
48	1.21E+06	9.49E+05	5.57E+05	3.46E+05	3.17E+06	2.90E+04	3.12E+06	1.58E+06
49	1.19E+06	9.50E+05	5.48E+05	3.47E+05	3.16E+06	2.98E+04	3.11E+06	1.58E+06
50	1.18E+06	9.51E+05	5.40E+05	3.47E+05	3.15E+06	3.06E+04	3.10E+06	1.58E+06
51	1.17E+06	9.52E+05	5.32E+05	3.48E+05	3.13E+06	3.14E+04	3.10E+06	1.57E+06
52	1.16E+06	9.52E+05	5.24E+05	3.48E+05	3.12E+06	3.22E+04	3.09E+06	1.57E+06
53	1.15E+06	9.53E+05	5.17E+05	3.49E+05	3.10E+06	3.30E+04	3.08E+06	1.57E+06
54	1.14E+06	9.54E+05	5.10E+05	3.49E+05	3.08E+06	3.33E+04	2.98E+06	9.36E+05
55	1.13E+06	9.55E+05	5.04E+05	3.50E+05	3.05E+06	3.36E+04	2.97E+06	9.32E+05
56	1.12E+06	9.56E+05	4.97E+05	3.50E+05	3.03E+06	3.39E+04	2.96E+06	9.28E+05
57	1.11E+06	9.57E+05	4.91E+05	3.51E+05	3.00E+06	3.42E+04	2.95E+06	9.24E+05
58	1.10E+06	9.57E+05	4.85E+05	3.51E+05	2.98E+06	3.45E+04	2.93E+06	9.20E+05
59	1.09E+06	9.58E+05	4.79E+05	3.52E+05	2.95E+06	3.48E+04	2.92E+06	9.17E+05
60	1.08E+06	9.59E+05	4.74E+05	3.52E+05	2.93E+06	3.51E+04	2.91E+06	9.13E+05
61	1.07E+06	9.60E+05	4.68E+05	3.52E+05	2.90E+06	3.54E+04	2.90E+06	9.09E+05
62	1.06E+06	9.60E+05	4.63E+05	3.53E+05	2.88E+06	3.57E+04	2.89E+06	9.05E+05
63	1.05E+06	9.61E+05	4.58E+05	3.53E+05	2.85E+06	3.60E+04	2.87E+06	9.02E+05
64	1.05E+06	9.62E+05	4.53E+05	3.54E+05	2.83E+06	3.62E+04	2.86E+06	8.98E+05
65	1.04E+06	9.62E+05	4.48E+05	3.54E+05	2.81E+06	3.65E+04	2.85E+06	8.94E+05
66	1.00E+06	9.63E+05	4.43E+05	3.55E+05	2.79E+06	3.73E+04	2.71E+06	1.46E+06
67	9.87E+05	9.64E+05	4.36E+05	3.55E+05	2.78E+06	3.81E+04	2.70E+06	1.46E+06
68	9.77E+05	9.64E+05	4.28E+05	3.55E+05	2.77E+06	3.88E+04	2.70E+06	1.45E+06
69	9.70E+05	9.65E+05	4.20E+05	3.56E+05	2.76E+06	3.96E+04	2.69E+06	1.45E+06
168	4.06E+05	9.66E+05	3.12E+05	3.84E+05	1.50E+06	8.67E+04	1.57E+06	1.08E+06
336	1.92E+05	8.08E+05	1.58E+05	4.08E+05	5.84E+05	1.58E+05	9.34E+05	8.12E+05
504	1.41E+05	6.67E+05	1.08E+05	4.22E+05	2.74E+05	1.95E+05	3.91E+05	5.33E+05
720	1.03E+05	5.20E+05	7.22E+04	4.34E+05	1.35E+05	2.15E+05	1.87E+05	3.67E+05
2160	1.93E+04	9.76E+04	8.12E+03	4.56E+05	1.20E+04	1.25E+05	4.24E+04	1.26E+05
4320	1.85E+03	8.24E+03	4.09E+04	4.36E+05	1.93E+03	2.98E+04	5.03E+03	1.96E+04
4800	1.10E+03	4.79E+03	4.08E+04	4.34E+05	1.40E+03	2.14E+04	1.65E+03	6.36E+03
8760	1.51E+01	5.85E+01	3.97E+04	4.23E+05	1.12E+02	1.40E+03	5.08E+02	1.86E+03
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/5/6	1.10E+08	5.06E+05	3.32E+07	1.87E+05	4.14E+06	3.43E+03	3.98E+06	1.24E+06
SUM	1.10E+08		3.34E+07		4.15E+06		5.22E+06	
Ci/g	2.97E-03		9.02E-04		1.12E-04		1.41E-04	
DIL HTO (Ci/g)	5.9E-09							
168	4.06E+05	9.66E+05	3.12E+05	3.84E+05	1.50E+06	8.67E+04	1.57E+06	1.08E+06
SUM	1.37E+06		6.96E+05		1.59E+06		2.65E+06	
Ci/g	3.71E-05		1.88E-05		4.29E-05		7.15E-05	
DIL OBT Ci/g	2.4E-09							
8760	1.51E+01	5.85E+01	3.97E+04	4.23E+05	1.12E+02	1.40E+03	5.08E+02	1.86E+03
SUM	7.36E+01		4.63E+05		1.51E+03		2.37E+03	
Ci/g	1.99E-09		1.25E-05		4.09E-08		6.39E-08	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 10 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	9.39E+06	3.59E+04	1.35E+06	4.45E+03	1.41E+05	2.80E+01	1.71E+04	7.26E+03
2	5.58E+06	5.67E+04	2.28E+06	8.82E+03	2.36E+05	7.62E+01	4.06E+04	1.74E+04
3	3.03E+06	6.70E+04	2.74E+06	1.26E+04	2.98E+05	1.38E+02	6.54E+04	2.83E+04
4	1.83E+06	7.25E+04	2.90E+06	1.57E+04	3.39E+05	2.08E+02	8.93E+04	3.88E+04
5	1.24E+06	7.58E+04	2.85E+06	1.84E+04	3.66E+05	2.85E+02	1.12E+05	4.85E+04
6	9.41E+05	7.80E+04	2.68E+06	2.06E+04	3.64E+05	3.24E+02	3.52E+05	1.10E+05
7	7.75E+05	7.97E+04	2.45E+06	2.24E+04	3.61E+05	3.62E+02	3.51E+05	1.09E+05
8	6.76E+05	8.10E+04	2.20E+06	2.39E+04	3.58E+05	4.01E+02	3.50E+05	1.09E+05
9	6.11E+05	8.21E+04	1.95E+06	2.52E+04	3.55E+05	4.39E+02	3.48E+05	1.09E+05
10	5.67E+05	8.32E+04	1.71E+06	2.63E+04	3.53E+05	4.76E+02	3.47E+05	1.08E+05
11	5.34E+05	8.41E+04	1.49E+06	2.72E+04	3.50E+05	5.14E+02	3.46E+05	1.08E+05
12	5.09E+05	8.50E+04	1.30E+06	2.80E+04	3.47E+05	5.51E+02	3.44E+05	1.07E+05
13	4.87E+05	8.58E+04	1.13E+06	2.87E+04	3.44E+05	5.87E+02	3.43E+05	1.07E+05
14	4.69E+05	8.66E+04	9.77E+05	2.93E+04	3.42E+05	6.24E+02	3.42E+05	1.07E+05
15	4.53E+05	8.74E+04	8.51E+05	2.99E+04	3.39E+05	6.60E+02	3.40E+05	1.06E+05
16	4.38E+05	8.81E+04	7.44E+05	3.03E+04	3.36E+05	6.95E+02	3.39E+05	1.06E+05
17	4.25E+05	8.88E+04	6.53E+05	3.07E+04	3.34E+05	7.31E+02	3.38E+05	1.05E+05
18	4.12E+05	8.95E+04	5.77E+05	3.11E+04	3.36E+05	8.14E+02	3.25E+05	1.60E+05
19	4.01E+05	9.01E+04	5.13E+05	3.15E+04	3.37E+05	8.98E+02	3.26E+05	1.60E+05
20	3.90E+05	9.07E+04	4.59E+05	3.18E+04	3.39E+05	9.83E+02	3.27E+05	1.60E+05
21	3.80E+05	9.13E+04	4.14E+05	3.21E+04	3.40E+05	1.07E+03	3.27E+05	1.61E+05
22	3.70E+05	9.19E+04	3.77E+05	3.24E+04	3.41E+05	1.15E+03	3.28E+05	1.61E+05
23	3.61E+05	9.25E+04	3.45E+05	3.26E+04	3.43E+05	1.24E+03	3.29E+05	1.62E+05
24	3.52E+05	9.30E+04	3.18E+05	3.29E+04	3.44E+05	1.32E+03	3.29E+05	1.62E+05
25	3.43E+05	9.36E+04	2.96E+05	3.31E+04	3.45E+05	1.41E+03	3.30E+05	1.62E+05
26	3.35E+05	9.41E+04	2.77E+05	3.33E+04	3.45E+05	1.50E+03	3.31E+05	1.63E+05
27	3.27E+05	9.46E+04	2.60E+05	3.35E+04	3.46E+05	1.58E+03	3.31E+05	1.63E+05
28	3.21E+05	9.51E+04	2.46E+05	3.37E+04	3.47E+05	1.67E+03	3.32E+05	1.63E+05
29	3.14E+05	9.55E+04	2.34E+05	3.39E+04	3.48E+05	1.76E+03	3.32E+05	1.64E+05
30	3.08E+05	9.60E+04	2.24E+05	3.41E+04	3.45E+05	1.79E+03	3.34E+05	1.04E+05
31	3.02E+05	9.64E+04	2.15E+05	3.43E+04	3.42E+05	1.83E+03	3.33E+05	1.04E+05
32	2.96E+05	9.69E+04	2.07E+05	3.45E+04	3.39E+05	1.86E+03	3.32E+05	1.04E+05
33	2.90E+05	9.73E+04	2.00E+05	3.47E+04	3.37E+05	1.90E+03	3.30E+05	1.03E+05
34	2.85E+05	9.77E+04	1.93E+05	3.48E+04	3.34E+05	1.93E+03	3.29E+05	1.03E+05
35	2.80E+05	9.81E+04	1.88E+05	3.50E+04	3.31E+05	1.97E+03	3.28E+05	1.02E+05
36	2.74E+05	9.85E+04	1.83E+05	3.52E+04	3.29E+05	2.00E+03	3.26E+05	1.02E+05
37	2.69E+05	9.89E+04	1.78E+05	3.53E+04	3.26E+05	2.03E+03	3.25E+05	1.02E+05
38	2.63E+05	9.92E+04	1.74E+05	3.55E+04	3.23E+05	2.07E+03	3.24E+05	1.01E+05

39	2.59E+05	9.96E+04	1.70E+05	3.56E+04	3.21E+05	2.10E+03	3.22E+05	1.01E+05
40	2.54E+05	9.99E+04	1.67E+05	3.58E+04	3.18E+05	2.13E+03	3.21E+05	1.00E+05
41	2.49E+05	1.00E+05	1.63E+05	3.59E+04	3.15E+05	2.17E+03	3.20E+05	1.00E+05
42	2.45E+05	1.01E+05	1.60E+05	3.61E+04	3.16E+05	2.25E+03	3.06E+05	1.61E+05
43	2.40E+05	1.01E+05	1.57E+05	3.62E+04	3.16E+05	2.34E+03	3.06E+05	1.61E+05
44	2.36E+05	1.01E+05	1.55E+05	3.64E+04	3.16E+05	2.42E+03	3.06E+05	1.61E+05
45	2.32E+05	1.02E+05	1.52E+05	3.65E+04	3.16E+05	2.51E+03	3.06E+05	1.61E+05
46	2.28E+05	1.02E+05	1.50E+05	3.67E+04	3.16E+05	2.60E+03	3.06E+05	1.61E+05
47	2.24E+05	1.02E+05	1.47E+05	3.68E+04	3.15E+05	2.68E+03	3.06E+05	1.61E+05
48	2.20E+05	1.02E+05	1.45E+05	3.69E+04	3.15E+05	2.77E+03	3.06E+05	1.61E+05
49	2.17E+05	1.03E+05	1.43E+05	3.71E+04	3.15E+05	2.86E+03	3.06E+05	1.61E+05
50	2.14E+05	1.03E+05	1.41E+05	3.72E+04	3.15E+05	2.94E+03	3.06E+05	1.61E+05
51	2.10E+05	1.03E+05	1.39E+05	3.73E+04	3.14E+05	3.03E+03	3.06E+05	1.62E+05
52	2.07E+05	1.03E+05	1.37E+05	3.75E+04	3.14E+05	3.12E+03	3.05E+05	1.62E+05
53	2.05E+05	1.04E+05	1.35E+05	3.76E+04	3.14E+05	3.20E+03	3.05E+05	1.62E+05
54	2.02E+05	1.04E+05	1.33E+05	3.77E+04	3.11E+05	3.23E+03	3.02E+05	9.45E+04
55	1.99E+05	1.04E+05	1.31E+05	3.78E+04	3.09E+05	3.26E+03	3.00E+05	9.41E+04
56	1.96E+05	1.04E+05	1.29E+05	3.79E+04	3.06E+05	3.29E+03	2.99E+05	9.38E+04
57	1.94E+05	1.05E+05	1.27E+05	3.81E+04	3.04E+05	3.33E+03	2.98E+05	9.34E+04
58	1.91E+05	1.05E+05	1.25E+05	3.82E+04	3.01E+05	3.36E+03	2.97E+05	9.30E+04
59	1.89E+05	1.05E+05	1.23E+05	3.83E+04	2.99E+05	3.39E+03	2.95E+05	9.26E+04
60	1.86E+05	1.05E+05	1.21E+05	3.84E+04	2.96E+05	3.41E+03	2.94E+05	9.23E+04
61	1.84E+05	1.06E+05	1.19E+05	3.85E+04	2.94E+05	3.44E+03	2.93E+05	9.19E+04
62	1.82E+05	1.06E+05	1.17E+05	3.86E+04	2.91E+05	3.47E+03	2.92E+05	9.15E+04
63	1.80E+05	1.06E+05	1.15E+05	3.87E+04	2.89E+05	3.50E+03	2.91E+05	9.12E+04
64	1.77E+05	1.06E+05	1.13E+05	3.88E+04	2.87E+05	3.53E+03	2.90E+05	9.08E+04
65	1.75E+05	1.06E+05	1.11E+05	3.89E+04	2.84E+05	3.56E+03	2.88E+05	9.04E+04
66	1.72E+05	1.06E+05	1.09E+05	3.90E+04	2.84E+05	3.64E+03	2.75E+05	1.55E+05
67	1.70E+05	1.07E+05	1.07E+05	3.91E+04	2.83E+05	3.73E+03	2.75E+05	1.55E+05
68	1.68E+05	1.07E+05	1.06E+05	3.92E+04	2.83E+05	3.81E+03	2.74E+05	1.55E+05
69	1.66E+05	1.07E+05	1.04E+05	3.93E+04	2.82E+05	3.89E+03	2.74E+05	1.54E+05
168	4.76E+04	1.12E+05	4.26E+04	4.51E+04	1.68E+05	9.28E+03	1.75E+05	1.24E+05
336	2.17E+04	9.35E+04	1.87E+04	4.79E+04	6.67E+04	1.78E+04	1.06E+05	9.48E+04
504	1.59E+04	7.72E+04	1.27E+04	4.96E+04	3.16E+04	2.23E+04	4.49E+04	6.27E+04
720	1.15E+04	6.02E+04	8.47E+03	5.10E+04	1.58E+04	2.48E+04	2.18E+04	4.34E+04
2160	2.16E+03	1.12E+04	9.49E+02	5.37E+04	1.39E+03	1.46E+04	4.96E+03	1.48E+04
4320	2.07E+02	9.37E+02	4.78E+03	5.12E+04	2.20E+02	3.47E+03	5.78E+02	2.28E+03
4800	1.23E+02	5.44E+02	4.77E+03	5.11E+04	1.59E+02	2.49E+03	1.87E+02	7.36E+02
8760	1.69E+00	6.58E+00	4.65E+03	4.98E+04	1.26E+01	1.63E+02	5.75E+01	2.14E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/5/6	9.39E+06	3.59E+04	2.90E+06	1.57E+04	3.66E+05	2.85E+02	3.52E+05	1.10E+05
SUM	9.43E+06		2.91E+06		3.66E+05		4.62E+05	
Ci/g	2.55E-04		7.87E-05		9.90E-06		1.25E-05	
DIL HTO	5.9E-09							
(Ci/g)								
168	4.76E+04	1.12E+05	4.26E+04	4.51E+04	1.68E+05	9.28E+03	1.75E+05	1.24E+05
SUM	1.60E+05		8.77E+04		1.77E+05		2.99E+05	
Ci/g	4.31E-06		2.37E-06		4.79E-06		8.09E-06	
DIL OBT	2.4E-09							
Ci/g								
8760	1.69E+00	6.58E+00	4.65E+03	4.98E+04	1.26E+01	1.63E+02	5.75E+01	2.14E+02
SUM	8.27E+00		5.44E+04		1.75E+02		2.72E+02	
Ci/g	2.23E-10		1.47E-06		4.73E-09		7.35E-09	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 11.54 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	2.21E+06	1.44E+03	5.39E+04	1.78E+02	7.51E+03	1.32E+00	9.10E+02	3.61E+02
2	9.66E+06	3.84E+04	1.44E+06	4.81E+03	1.51E+05	3.14E+01	1.71E+04	7.24E+03
3	5.05E+06	5.63E+04	2.26E+06	8.92E+03	2.36E+05	7.98E+01	3.82E+04	1.64E+04
4	2.92E+06	6.56E+04	2.67E+06	1.25E+04	2.94E+05	1.41E+02	6.07E+04	2.62E+04
5	1.90E+06	7.10E+04	2.81E+06	1.55E+04	3.33E+05	2.10E+02	8.25E+04	3.58E+04
6	1.39E+06	7.44E+04	2.76E+06	1.80E+04	3.31E+05	2.45E+02	3.21E+05	9.99E+04
7	1.11E+06	7.69E+04	2.61E+06	2.02E+04	3.29E+05	2.81E+02	3.20E+05	9.95E+04
8	9.46E+05	7.88E+04	2.40E+06	2.20E+04	3.26E+05	3.16E+02	3.19E+05	9.92E+04
9	8.44E+05	8.05E+04	2.17E+06	2.36E+04	3.24E+05	3.50E+02	3.17E+05	9.89E+04
10	7.76E+05	8.19E+04	1.94E+06	2.49E+04	3.22E+05	3.84E+02	3.16E+05	9.85E+04
11	7.27E+05	8.33E+04	1.72E+06	2.61E+04	3.19E+05	4.19E+02	3.15E+05	9.82E+04
12	6.89E+05	8.45E+04	1.51E+06	2.70E+04	3.17E+05	4.52E+02	3.14E+05	9.78E+04
13	6.58E+05	8.57E+04	1.33E+06	2.79E+04	3.15E+05	4.86E+02	3.13E+05	9.75E+04
14	6.32E+05	8.68E+04	1.17E+06	2.87E+04	3.12E+05	5.19E+02	3.12E+05	9.71E+04
15	6.09E+05	8.78E+04	1.04E+06	2.93E+04	3.10E+05	5.52E+02	3.11E+05	9.67E+04
16	5.89E+05	8.89E+04	9.16E+05	3.00E+04	3.07E+05	5.85E+02	3.09E+05	9.64E+04
17	5.70E+05	8.98E+04	8.14E+05	3.05E+04	3.05E+05	6.17E+02	3.08E+05	9.60E+04
18	5.52E+05	9.08E+04	7.28E+05	3.10E+04	3.09E+05	6.99E+02	2.99E+05	1.52E+05
19	5.36E+05	9.17E+04	6.54E+05	3.15E+04	3.12E+05	7.81E+02	3.01E+05	1.53E+05
20	5.21E+05	9.25E+04	5.92E+05	3.19E+04	3.15E+05	8.64E+02	3.02E+05	1.54E+05
21	5.07E+05	9.34E+04	5.40E+05	3.23E+04	3.18E+05	9.47E+02	3.04E+05	1.55E+05
22	4.94E+05	9.42E+04	4.95E+05	3.27E+04	3.21E+05	1.03E+03	3.05E+05	1.55E+05
23	4.82E+05	9.50E+04	4.58E+05	3.30E+04	3.24E+05	1.12E+03	3.07E+05	1.56E+05
24	4.69E+05	9.58E+04	4.26E+05	3.34E+04	3.26E+05	1.20E+03	3.08E+05	1.57E+05
25	4.58E+05	9.65E+04	3.98E+05	3.37E+04	3.29E+05	1.29E+03	3.09E+05	1.57E+05
26	4.47E+05	9.72E+04	3.75E+05	3.40E+04	3.31E+05	1.37E+03	3.11E+05	1.58E+05
27	4.36E+05	9.79E+04	3.55E+05	3.43E+04	3.33E+05	1.46E+03	3.12E+05	1.59E+05
28	4.27E+05	9.86E+04	3.37E+05	3.46E+04	3.36E+05	1.55E+03	3.13E+05	1.59E+05
29	4.18E+05	9.93E+04	3.22E+05	3.48E+04	3.38E+05	1.64E+03	3.14E+05	1.60E+05
30	4.09E+05	9.99E+04	3.09E+05	3.51E+04	3.35E+05	1.67E+03	3.25E+05	1.01E+05
31	4.01E+05	1.01E+05	2.97E+05	3.54E+04	3.32E+05	1.71E+03	3.23E+05	1.01E+05
32	3.93E+05	1.01E+05	2.87E+05	3.56E+04	3.30E+05	1.74E+03	3.22E+05	1.01E+05
33	3.85E+05	1.02E+05	2.78E+05	3.59E+04	3.27E+05	1.78E+03	3.21E+05	1.00E+05
34	3.77E+05	1.02E+05	2.70E+05	3.61E+04	3.24E+05	1.81E+03	3.20E+05	9.98E+04
35	3.70E+05	1.03E+05	2.62E+05	3.63E+04	3.22E+05	1.84E+03	3.18E+05	9.94E+04
36	3.62E+05	1.03E+05	2.56E+05	3.66E+04	3.19E+05	1.88E+03	3.17E+05	9.90E+04
37	3.55E+05	1.04E+05	2.50E+05	3.68E+04	3.17E+05	1.91E+03	3.16E+05	9.86E+04
38	3.47E+05	1.05E+05	2.44E+05	3.70E+04	3.14E+05	1.94E+03	3.15E+05	9.83E+04

39	3.40E+05	1.05E+05	2.39E+05	3.72E+04	3.12E+05	1.97E+03	3.13E+05	9.79E+04
40	3.34E+05	1.06E+05	2.34E+05	3.75E+04	3.09E+05	2.00E+03	3.12E+05	9.75E+04
41	3.27E+05	1.06E+05	2.29E+05	3.77E+04	3.07E+05	2.04E+03	3.11E+05	9.71E+04
42	3.21E+05	1.06E+05	2.25E+05	3.79E+04	3.08E+05	2.13E+03	2.98E+05	1.63E+05
43	3.15E+05	1.07E+05	2.21E+05	3.81E+04	3.09E+05	2.21E+03	2.99E+05	1.63E+05
44	3.09E+05	1.07E+05	2.17E+05	3.83E+04	3.10E+05	2.30E+03	2.99E+05	1.64E+05
45	3.03E+05	1.08E+05	2.13E+05	3.85E+04	3.11E+05	2.39E+03	3.00E+05	1.64E+05
46	2.97E+05	1.08E+05	2.10E+05	3.87E+04	3.12E+05	2.48E+03	3.00E+05	1.64E+05
47	2.92E+05	1.09E+05	2.06E+05	3.89E+04	3.12E+05	2.57E+03	3.01E+05	1.64E+05
48	2.86E+05	1.09E+05	2.03E+05	3.90E+04	3.13E+05	2.66E+03	3.01E+05	1.64E+05
49	2.81E+05	1.09E+05	2.00E+05	3.92E+04	3.13E+05	2.75E+03	3.01E+05	1.65E+05
50	2.76E+05	1.10E+05	1.97E+05	3.94E+04	3.14E+05	2.84E+03	3.02E+05	1.65E+05
51	2.72E+05	1.10E+05	1.95E+05	3.96E+04	3.14E+05	2.94E+03	3.02E+05	1.65E+05
52	2.68E+05	1.11E+05	1.92E+05	3.98E+04	3.15E+05	3.03E+03	3.02E+05	1.65E+05
53	2.64E+05	1.11E+05	1.89E+05	4.00E+04	3.15E+05	3.12E+03	3.03E+05	1.65E+05
54	2.60E+05	1.11E+05	1.86E+05	4.01E+04	3.13E+05	3.15E+03	3.03E+05	9.49E+04
55	2.56E+05	1.12E+05	1.83E+05	4.03E+04	3.10E+05	3.18E+03	3.02E+05	9.45E+04
56	2.52E+05	1.12E+05	1.80E+05	4.05E+04	3.07E+05	3.21E+03	3.00E+05	9.42E+04
57	2.49E+05	1.12E+05	1.77E+05	4.06E+04	3.05E+05	3.24E+03	2.99E+05	9.38E+04
58	2.45E+05	1.13E+05	1.74E+05	4.08E+04	3.02E+05	3.27E+03	2.98E+05	9.34E+04
59	2.41E+05	1.13E+05	1.71E+05	4.09E+04	3.00E+05	3.30E+03	2.97E+05	9.30E+04
60	2.38E+05	1.13E+05	1.68E+05	4.11E+04	2.98E+05	3.33E+03	2.96E+05	9.27E+04
61	2.35E+05	1.13E+05	1.65E+05	4.12E+04	2.95E+05	3.36E+03	2.94E+05	9.23E+04
62	2.31E+05	1.14E+05	1.62E+05	4.14E+04	2.93E+05	3.39E+03	2.93E+05	9.19E+04
63	2.28E+05	1.14E+05	1.59E+05	4.15E+04	2.90E+05	3.42E+03	2.92E+05	9.16E+04
64	2.25E+05	1.14E+05	1.56E+05	4.17E+04	2.88E+05	3.45E+03	2.91E+05	9.12E+04
65	2.22E+05	1.15E+05	1.53E+05	4.18E+04	2.86E+05	3.47E+03	2.90E+05	9.09E+04
66	2.18E+05	1.15E+05	1.51E+05	4.20E+04	2.86E+05	3.56E+03	2.77E+05	1.61E+05
67	2.15E+05	1.15E+05	1.48E+05	4.21E+04	2.86E+05	3.65E+03	2.77E+05	1.61E+05
68	2.12E+05	1.15E+05	1.45E+05	4.22E+04	2.86E+05	3.74E+03	2.77E+05	1.61E+05
69	2.09E+05	1.16E+05	1.43E+05	4.24E+04	2.86E+05	3.83E+03	2.77E+05	1.61E+05
168	5.25E+04	1.23E+05	4.97E+04	4.96E+04	1.78E+05	9.66E+03	1.85E+05	1.35E+05
336	2.34E+04	1.03E+05	2.06E+04	5.28E+04	7.17E+04	1.91E+04	1.13E+05	1.04E+05
504	1.70E+04	8.46E+04	1.40E+04	5.46E+04	3.44E+04	2.42E+04	4.86E+04	6.90E+04
720	1.24E+04	6.58E+04	9.31E+03	5.62E+04	1.73E+04	2.70E+04	2.38E+04	4.78E+04
2160	2.30E+03	1.22E+04	1.04E+03	5.91E+04	1.51E+03	1.60E+04	5.44E+03	1.63E+04
4320	2.21E+02	1.01E+03	5.25E+03	5.64E+04	2.37E+02	3.80E+03	6.26E+02	2.49E+03
4800	1.32E+02	5.88E+02	5.23E+03	5.62E+04	1.71E+02	2.72E+03	2.02E+02	8.02E+02
8760	1.81E+00	7.06E+00	5.10E+03	5.48E+04	1.34E+01	1.77E+02	6.17E+01	2.33E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

2/5/5/6	9.66E+06	3.84E+04	2.81E+06	1.55E+04	3.33E+05	2.10E+02	3.21E+05	9.99E+04
SUM	9.69E+06		2.82E+06		3.33E+05		4.21E+05	
Ci/g	2.62E-04		7.63E-05		9.01E-06		1.14E-05	
DIL HTO (Ci/g)	5.9E-09							
168	5.25E+04	1.23E+05	4.97E+04	4.96E+04	1.78E+05	9.66E+03	1.85E+05	1.35E+05
SUM	1.75E+05		9.93E+04		1.87E+05		3.19E+05	
Ci/g	4.74E-06		2.68E-06		5.06E-06		8.63E-06	
DIL OBT Ci/g	2.4E-09							
8760	1.81E+00	7.06E+00	5.10E+03	5.48E+04	1.34E+01	1.77E+02	6.17E+01	2.33E+02
SUM	8.87E+00		5.99E+04		1.91E+02		2.95E+02	
Ci/g	2.40E-10		1.62E-06		5.15E-09		7.97E-09	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 50 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	7.87E+04	0.00E+00	0.00E+00	0.00E+00	8.08E+01	8.69E-03	9.78E+00	3.05E+00
2	1.87E+05	1.46E+02	5.26E+03	1.74E+01	7.24E+02	1.39E-01	8.67E+01	3.40E+01
3	3.67E+05	4.93E+02	1.83E+04	6.56E+01	2.27E+03	5.69E-01	2.98E+02	1.22E+02
4	3.60E+05	1.17E+03	4.42E+04	1.69E+02	5.02E+03	1.57E+00	7.13E+02	2.99E+02
5	2.39E+06	1.14E+04	4.29E+05	1.48E+03	4.51E+04	1.06E+01	4.30E+03	1.83E+03
6	1.18E+06	1.61E+04	6.47E+05	2.62E+03	4.50E+04	1.55E+01	4.37E+04	1.36E+04
7	6.18E+05	1.83E+04	7.43E+05	3.56E+03	4.48E+04	2.03E+01	4.35E+04	1.36E+04
8	3.79E+05	1.94E+04	7.62E+05	4.34E+03	4.45E+04	2.50E+01	4.34E+04	1.35E+04
9	2.73E+05	2.01E+04	7.35E+05	4.99E+03	4.43E+04	2.98E+01	4.33E+04	1.35E+04
10	2.22E+05	2.06E+04	6.84E+05	5.53E+03	4.40E+04	3.45E+01	4.32E+04	1.34E+04
11	1.95E+05	2.10E+04	6.20E+05	5.98E+03	4.37E+04	3.92E+01	4.30E+04	1.34E+04
12	1.79E+05	2.13E+04	5.53E+05	6.36E+03	4.34E+04	4.38E+01	4.29E+04	1.34E+04
13	1.69E+05	2.16E+04	4.88E+05	6.68E+03	4.31E+04	4.84E+01	4.28E+04	1.33E+04
14	1.61E+05	2.19E+04	4.28E+05	6.95E+03	4.28E+04	5.30E+01	4.26E+04	1.33E+04
15	1.55E+05	2.22E+04	3.74E+05	7.18E+03	4.25E+04	5.75E+01	4.25E+04	1.32E+04
16	1.50E+05	2.24E+04	3.27E+05	7.39E+03	4.23E+04	6.21E+01	4.23E+04	1.32E+04
17	1.46E+05	2.27E+04	2.85E+05	7.57E+03	4.20E+04	6.65E+01	4.22E+04	1.32E+04
18	1.42E+05	2.29E+04	2.50E+05	7.73E+03	4.32E+04	8.34E+01	4.19E+04	2.80E+04
19	1.38E+05	2.31E+04	2.20E+05	7.87E+03	4.44E+04	1.01E+02	4.25E+04	2.83E+04
20	1.35E+05	2.34E+04	1.95E+05	8.00E+03	4.55E+04	1.18E+02	4.30E+04	2.85E+04
21	1.32E+05	2.36E+04	1.73E+05	8.11E+03	4.66E+04	1.36E+02	4.36E+04	2.87E+04
22	1.29E+05	2.38E+04	1.55E+05	8.22E+03	4.77E+04	1.53E+02	4.41E+04	2.90E+04
23	1.26E+05	2.40E+04	1.40E+05	8.32E+03	4.87E+04	1.71E+02	4.46E+04	2.92E+04
24	1.24E+05	2.42E+04	1.28E+05	8.42E+03	4.97E+04	1.90E+02	4.51E+04	2.94E+04
25	1.21E+05	2.44E+04	1.18E+05	8.51E+03	5.06E+04	2.08E+02	4.56E+04	2.97E+04
26	1.19E+05	2.46E+04	1.09E+05	8.59E+03	5.16E+04	2.27E+02	4.61E+04	2.99E+04
27	1.17E+05	2.48E+04	1.02E+05	8.67E+03	5.25E+04	2.45E+02	4.66E+04	3.01E+04
28	1.15E+05	2.50E+04	9.55E+04	8.75E+03	5.33E+04	2.64E+02	4.70E+04	3.03E+04
29	1.13E+05	2.52E+04	9.04E+04	8.83E+03	5.42E+04	2.83E+02	4.75E+04	3.05E+04
30	1.12E+05	2.53E+04	8.61E+04	8.90E+03	5.38E+04	2.89E+02	5.21E+04	1.63E+04
31	1.11E+05	2.55E+04	8.25E+04	8.97E+03	5.34E+04	2.95E+02	5.19E+04	1.62E+04
32	1.09E+05	2.57E+04	7.95E+04	9.04E+03	5.30E+04	3.00E+02	5.17E+04	1.62E+04
33	1.08E+05	2.59E+04	7.69E+04	9.11E+03	5.26E+04	3.06E+02	5.15E+04	1.61E+04
34	1.07E+05	2.60E+04	7.48E+04	9.18E+03	5.22E+04	3.11E+02	5.14E+04	1.61E+04
35	1.05E+05	2.62E+04	7.30E+04	9.24E+03	5.18E+04	3.16E+02	5.12E+04	1.60E+04
36	1.04E+05	2.63E+04	7.14E+04	9.31E+03	5.14E+04	3.22E+02	5.10E+04	1.59E+04
37	1.03E+05	2.65E+04	7.01E+04	9.37E+03	5.10E+04	3.27E+02	5.08E+04	1.59E+04
38	1.02E+05	2.67E+04	6.90E+04	9.44E+03	5.06E+04	3.32E+02	5.06E+04	1.58E+04

39	1.00E+05	2.68E+04	6.80E+04	9.50E+03	5.02E+04	3.37E+02	5.04E+04	1.58E+04
40	9.91E+04	2.70E+04	6.71E+04	9.56E+03	4.98E+04	3.42E+02	5.02E+04	1.57E+04
41	9.79E+04	2.71E+04	6.64E+04	9.62E+03	4.95E+04	3.47E+02	5.00E+04	1.56E+04
42	9.67E+04	2.73E+04	6.57E+04	9.69E+03	5.02E+04	3.67E+02	4.86E+04	3.31E+04
43	9.55E+04	2.74E+04	6.51E+04	9.75E+03	5.08E+04	3.87E+02	4.89E+04	3.33E+04
44	9.43E+04	2.75E+04	6.46E+04	9.81E+03	5.15E+04	4.08E+02	4.93E+04	3.34E+04
45	9.31E+04	2.77E+04	6.42E+04	9.87E+03	5.21E+04	4.28E+02	4.96E+04	3.35E+04
46	9.19E+04	2.78E+04	6.37E+04	9.93E+03	5.27E+04	4.48E+02	4.99E+04	3.37E+04
47	9.08E+04	2.79E+04	6.33E+04	9.99E+03	5.33E+04	4.69E+02	5.02E+04	3.38E+04
48	8.96E+04	2.81E+04	6.30E+04	1.01E+04	5.39E+04	4.89E+02	5.05E+04	3.39E+04
49	8.85E+04	2.82E+04	6.27E+04	1.01E+04	5.44E+04	5.10E+02	5.08E+04	3.41E+04
50	8.75E+04	2.83E+04	6.24E+04	1.02E+04	5.50E+04	5.31E+02	5.10E+04	3.42E+04
51	8.64E+04	2.85E+04	6.20E+04	1.02E+04	5.55E+04	5.52E+02	5.13E+04	3.43E+04
52	8.54E+04	2.86E+04	6.16E+04	1.03E+04	5.60E+04	5.73E+02	5.16E+04	3.44E+04
53	8.45E+04	2.87E+04	6.12E+04	1.04E+04	5.65E+04	5.94E+02	5.18E+04	3.46E+04
54	8.35E+04	2.88E+04	6.07E+04	1.04E+04	5.60E+04	5.99E+02	5.43E+04	1.70E+04
55	8.26E+04	2.89E+04	6.02E+04	1.05E+04	5.56E+04	6.05E+02	5.41E+04	1.70E+04
56	8.16E+04	2.91E+04	5.96E+04	1.05E+04	5.52E+04	6.10E+02	5.39E+04	1.69E+04
57	8.07E+04	2.92E+04	5.91E+04	1.06E+04	5.47E+04	6.16E+02	5.37E+04	1.68E+04
58	7.98E+04	2.93E+04	5.84E+04	1.06E+04	5.43E+04	6.21E+02	5.35E+04	1.68E+04
59	7.89E+04	2.94E+04	5.78E+04	1.07E+04	5.39E+04	6.27E+02	5.33E+04	1.67E+04
60	7.80E+04	2.95E+04	5.72E+04	1.07E+04	5.34E+04	6.32E+02	5.30E+04	1.66E+04
61	7.71E+04	2.96E+04	5.65E+04	1.08E+04	5.30E+04	6.37E+02	5.28E+04	1.66E+04
62	7.62E+04	2.97E+04	5.58E+04	1.08E+04	5.26E+04	6.42E+02	5.26E+04	1.65E+04
63	7.53E+04	2.98E+04	5.51E+04	1.09E+04	5.22E+04	6.48E+02	5.24E+04	1.65E+04
64	7.44E+04	2.99E+04	5.45E+04	1.09E+04	5.18E+04	6.53E+02	5.22E+04	1.64E+04
65	7.35E+04	3.00E+04	5.38E+04	1.10E+04	5.14E+04	6.58E+02	5.20E+04	1.63E+04
66	7.25E+04	3.01E+04	5.31E+04	1.10E+04	5.18E+04	6.79E+02	5.02E+04	3.55E+04
67	7.16E+04	3.02E+04	5.24E+04	1.11E+04	5.21E+04	7.00E+02	5.03E+04	3.55E+04
68	7.07E+04	3.03E+04	5.17E+04	1.11E+04	5.25E+04	7.22E+02	5.05E+04	3.56E+04
69	6.99E+04	3.04E+04	5.09E+04	1.12E+04	5.28E+04	7.43E+02	5.07E+04	3.57E+04
168	1.44E+04	3.38E+04	1.56E+04	1.39E+04	4.08E+04	2.22E+03	4.19E+04	3.47E+04
336	6.21E+03	2.82E+04	5.68E+03	1.48E+04	1.78E+04	4.83E+03	2.68E+04	2.75E+04
504	4.48E+03	2.32E+04	3.83E+03	1.53E+04	9.01E+03	6.30E+03	1.24E+04	1.89E+04
720	3.24E+03	1.81E+04	2.54E+03	1.57E+04	4.70E+03	7.15E+03	6.34E+03	1.32E+04
2160	6.02E+02	3.31E+03	2.83E+02	1.65E+04	4.11E+02	4.33E+03	1.49E+03	4.50E+03
4320	5.79E+01	2.72E+02	1.43E+03	1.58E+04	6.29E+01	1.03E+03	1.68E+02	6.76E+02
4800	3.44E+01	1.57E+02	1.43E+03	1.57E+04	4.53E+01	7.37E+02	5.35E+01	2.16E+02
8760	4.73E-01	1.86E+00	1.39E+03	1.53E+04	3.53E+00	4.78E+01	1.63E+01	6.27E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

5/8/29/54	2.39E+06	1.14E+04	7.62E+05	4.34E+03	5.42E+04	2.83E+02	5.43E+04	1.70E+04
SUM	2.40E+06		7.67E+05		5.45E+04		7.13E+04	
Ci/g	6.48E-05		2.07E-05		1.47E-06		1.93E-06	
DIL HTO	5.9E-09							
(Ci/g)								
168	1.44E+04	3.38E+04	1.56E+04	1.39E+04	4.08E+04	2.22E+03	4.19E+04	3.47E+04
SUM	4.82E+04		2.95E+04		4.30E+04		7.65E+04	
Ci/g	1.30E-06		7.97E-07		1.16E-06		2.07E-06	
DIL OBT	2.4E-09							
Ci/g								
8760	4.73E-01	1.86E+00	1.39E+03	1.53E+04	3.53E+00	4.78E+01	1.63E+01	6.27E+01
SUM	2.34E+00		1.67E+04		5.13E+01		7.90E+01	
Ci/g	6.31E-11		4.52E-07		1.39E-09		2.14E-09	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Adverse Met Conditions								
Concentration Values for 100 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	2.67E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+00	2.95E-04	3.32E-01	1.04E-01
2	8.12E+03	4.97E+00	1.79E+02	5.90E-01	2.64E+01	4.91E-03	3.14E+00	1.22E+00
3	1.91E+04	2.00E+01	7.41E+02	2.62E+00	9.58E+01	2.27E-02	1.21E+01	4.90E+00
4	2.50E+04	5.54E+01	2.08E+03	7.74E+00	2.43E+02	7.03E-02	3.24E+01	1.35E+01
5	5.15E+04	1.02E+02	3.87E+03	1.57E+01	4.68E+02	1.62E-01	6.75E+01	2.83E+01
6	5.94E+04	1.97E+02	7.44E+03	3.12E+01	5.04E+02	2.16E-01	4.89E+02	1.52E+02
7	9.42E+04	3.08E+02	1.16E+04	5.22E+01	5.72E+02	2.78E-01	5.22E+02	1.62E+02
8	1.36E+05	4.82E+02	1.80E+04	8.45E+01	6.68E+02	3.49E-01	5.63E+02	1.75E+02
9	1.83E+05	9.92E+02	3.67E+04	1.64E+02	8.77E+02	4.43E-01	6.35E+02	1.98E+02
10	9.88E+05	5.22E+03	1.95E+05	7.22E+02	3.08E+03	7.75E-01	1.11E+03	3.44E+02
11	4.65E+05	7.05E+03	2.79E+05	1.19E+03	3.13E+03	1.11E+00	1.43E+03	4.44E+02
12	2.49E+05	7.90E+03	3.15E+05	1.58E+03	3.16E+03	1.45E+00	1.66E+03	5.17E+02
13	1.57E+05	8.36E+03	3.20E+05	1.90E+03	3.18E+03	1.79E+00	1.84E+03	5.72E+02
14	1.16E+05	8.64E+03	3.07E+05	2.16E+03	3.20E+03	2.13E+00	1.98E+03	6.16E+02
15	9.59E+04	8.84E+03	2.85E+05	2.39E+03	3.21E+03	2.48E+00	2.09E+03	6.51E+02
16	8.56E+04	9.00E+03	2.58E+05	2.57E+03	3.22E+03	2.82E+00	2.19E+03	6.81E+02
17	7.96E+04	9.15E+03	2.30E+05	2.73E+03	3.23E+03	3.17E+00	2.26E+03	7.05E+02
18	7.56E+04	9.29E+03	2.04E+05	2.87E+03	4.28E+03	8.60E+00	4.15E+03	7.32E+03
19	7.28E+04	9.42E+03	1.79E+05	2.98E+03	5.19E+03	1.42E+01	4.59E+03	7.51E+03
20	7.05E+04	9.54E+03	1.57E+05	3.08E+03	6.02E+03	2.00E+01	5.01E+03	7.69E+03
21	6.86E+04	9.66E+03	1.37E+05	3.17E+03	6.79E+03	2.59E+01	5.40E+03	7.85E+03
22	6.70E+04	9.77E+03	1.21E+05	3.24E+03	7.51E+03	3.19E+01	5.77E+03	8.01E+03
23	6.56E+04	9.88E+03	1.06E+05	3.31E+03	8.20E+03	3.81E+01	6.14E+03	8.17E+03
24	6.43E+04	9.99E+03	9.42E+04	3.38E+03	8.87E+03	4.44E+01	6.49E+03	8.31E+03
25	6.32E+04	1.01E+04	8.41E+04	3.43E+03	9.52E+03	5.08E+01	6.83E+03	8.46E+03
26	6.21E+04	1.02E+04	7.55E+04	3.49E+03	1.02E+04	5.74E+01	7.16E+03	8.60E+03
27	6.11E+04	1.03E+04	6.84E+04	3.54E+03	1.08E+04	6.41E+01	7.49E+03	8.74E+03
28	6.04E+04	1.04E+04	6.25E+04	3.58E+03	1.14E+04	7.08E+01	7.81E+03	8.88E+03
29	5.98E+04	1.05E+04	5.76E+04	3.63E+03	1.20E+04	7.77E+01	8.13E+03	9.01E+03
30	5.94E+04	1.06E+04	5.36E+04	3.67E+03	1.19E+04	7.89E+01	1.15E+04	3.61E+03
31	5.89E+04	1.07E+04	5.03E+04	3.71E+03	1.18E+04	8.02E+01	1.15E+04	3.60E+03
32	5.86E+04	1.08E+04	4.76E+04	3.75E+03	1.18E+04	8.14E+01	1.15E+04	3.58E+03
33	5.82E+04	1.09E+04	4.54E+04	3.79E+03	1.17E+04	8.26E+01	1.14E+04	3.57E+03
34	5.79E+04	1.10E+04	4.37E+04	3.83E+03	1.16E+04	8.38E+01	1.14E+04	3.56E+03
35	5.76E+04	1.11E+04	4.23E+04	3.86E+03	1.15E+04	8.49E+01	1.14E+04	3.55E+03
36	5.74E+04	1.12E+04	4.11E+04	3.90E+03	1.15E+04	8.61E+01	1.13E+04	3.54E+03
37	5.71E+04	1.13E+04	4.02E+04	3.94E+03	1.14E+04	8.73E+01	1.13E+04	3.53E+03
38	5.69E+04	1.14E+04	3.95E+04	3.98E+03	1.13E+04	8.84E+01	1.13E+04	3.52E+03

39	5.66E+04	1.14E+04	3.90E+04	4.01E+03	1.12E+04	8.96E+01	1.12E+04	3.51E+03
40	5.64E+04	1.15E+04	3.86E+04	4.05E+03	1.12E+04	9.07E+01	1.12E+04	3.50E+03
41	5.62E+04	1.16E+04	3.83E+04	4.08E+03	1.11E+04	9.18E+01	1.11E+04	3.49E+03
42	5.59E+04	1.17E+04	3.81E+04	4.12E+03	1.17E+04	9.94E+01	1.13E+04	1.13E+04
43	5.57E+04	1.18E+04	3.80E+04	4.16E+03	1.22E+04	1.07E+02	1.16E+04	1.14E+04
44	5.54E+04	1.19E+04	3.80E+04	4.19E+03	1.27E+04	1.15E+02	1.18E+04	1.15E+04
45	5.51E+04	1.20E+04	3.80E+04	4.23E+03	1.32E+04	1.23E+02	1.21E+04	1.16E+04
46	5.49E+04	1.21E+04	3.81E+04	4.27E+03	1.38E+04	1.31E+02	1.23E+04	1.17E+04
47	5.46E+04	1.21E+04	3.82E+04	4.30E+03	1.43E+04	1.39E+02	1.26E+04	1.19E+04
48	5.43E+04	1.22E+04	3.83E+04	4.34E+03	1.48E+04	1.47E+02	1.28E+04	1.20E+04
49	5.40E+04	1.23E+04	3.85E+04	4.38E+03	1.52E+04	1.55E+02	1.31E+04	1.21E+04
50	5.38E+04	1.24E+04	3.86E+04	4.42E+03	1.57E+04	1.64E+02	1.33E+04	1.22E+04
51	5.35E+04	1.25E+04	3.88E+04	4.45E+03	1.62E+04	1.72E+02	1.35E+04	1.23E+04
52	5.32E+04	1.26E+04	3.89E+04	4.49E+03	1.67E+04	1.81E+02	1.38E+04	1.24E+04
53	5.29E+04	1.26E+04	3.90E+04	4.53E+03	1.71E+04	1.89E+02	1.40E+04	1.25E+04
54	5.26E+04	1.27E+04	3.90E+04	4.57E+03	1.70E+04	1.91E+02	1.65E+04	5.17E+03
55	5.23E+04	1.28E+04	3.91E+04	4.61E+03	1.69E+04	1.93E+02	1.64E+04	5.15E+03
56	5.20E+04	1.29E+04	3.90E+04	4.64E+03	1.68E+04	1.94E+02	1.64E+04	5.13E+03
57	5.17E+04	1.30E+04	3.90E+04	4.68E+03	1.67E+04	1.96E+02	1.63E+04	5.12E+03
58	5.14E+04	1.30E+04	3.89E+04	4.72E+03	1.65E+04	1.98E+02	1.63E+04	5.10E+03
59	5.11E+04	1.31E+04	3.88E+04	4.76E+03	1.64E+04	1.99E+02	1.62E+04	5.08E+03
60	5.08E+04	1.32E+04	3.86E+04	4.79E+03	1.63E+04	2.01E+02	1.61E+04	5.06E+03
61	5.04E+04	1.33E+04	3.85E+04	4.83E+03	1.62E+04	2.02E+02	1.61E+04	5.05E+03
62	5.01E+04	1.34E+04	3.83E+04	4.87E+03	1.61E+04	2.04E+02	1.60E+04	5.03E+03
63	4.97E+04	1.34E+04	3.81E+04	4.90E+03	1.60E+04	2.06E+02	1.60E+04	5.01E+03
64	4.93E+04	1.35E+04	3.79E+04	4.94E+03	1.58E+04	2.07E+02	1.59E+04	4.99E+03
65	4.89E+04	1.36E+04	3.77E+04	4.97E+03	1.57E+04	2.09E+02	1.59E+04	4.98E+03
66	4.85E+04	1.37E+04	3.75E+04	5.01E+03	1.61E+04	2.18E+02	1.57E+04	1.40E+04
67	4.80E+04	1.37E+04	3.72E+04	5.05E+03	1.66E+04	2.27E+02	1.59E+04	1.41E+04
68	4.76E+04	1.38E+04	3.69E+04	5.08E+03	1.70E+04	2.36E+02	1.60E+04	1.42E+04
69	4.71E+04	1.39E+04	3.67E+04	5.12E+03	1.74E+04	2.45E+02	1.62E+04	1.43E+04
168	7.27E+03	1.69E+04	9.66E+03	7.16E+03	1.95E+04	9.57E+02	1.98E+04	1.73E+04
336	3.01E+03	1.41E+04	2.92E+03	7.63E+03	8.83E+03	2.32E+03	1.30E+04	1.39E+04
504	2.16E+03	1.16E+04	1.96E+03	7.89E+03	4.56E+03	3.09E+03	6.19E+03	9.66E+03
720	1.56E+03	9.01E+03	1.30E+03	8.10E+03	2.40E+03	3.56E+03	3.23E+03	6.79E+03
2160	2.89E+02	1.64E+03	1.44E+02	8.51E+03	2.09E+02	2.19E+03	7.63E+02	2.31E+03
4320	2.78E+01	1.33E+02	7.27E+02	8.13E+03	3.15E+01	5.20E+02	8.49E+01	3.43E+02
4800	1.65E+01	7.69E+01	7.25E+02	8.11E+03	2.27E+01	3.73E+02	2.68E+01	1.09E+02
8760	2.27E-01	9.01E-01	7.07E+02	7.90E+03	1.76E+00	2.41E+01	8.15E+00	3.16E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

10/13/53/5 4	9.88E+05	5.22E+03	3.20E+05	1.90E+03	1.71E+04	1.89E+02	1.65E+04	5.17E+03
SUM	9.93E+05		3.22E+05		1.73E+04		2.16E+04	
Ci/g	2.68E-05		8.70E-06		4.68E-07		5.85E-07	
DIL HTO (Ci/g)	5.9E-09							
168	7.27E+03	1.69E+04	9.66E+03	7.16E+03	1.95E+04	9.57E+02	1.98E+04	1.73E+04
SUM	2.42E+04		1.68E+04		2.04E+04		3.71E+04	
Ci/g	6.53E-07		4.55E-07		5.52E-07		1.00E-06	
DIL OBT Ci/g	2.4E-09							
8760	2.27E-01	9.01E-01	7.07E+02	7.90E+03	1.76E+00	2.41E+01	8.15E+00	3.16E+01
SUM	1.13E+00		8.61E+03		2.59E+01		3.98E+01	
Ci/g	3.05E-11		2.33E-07		6.99E-10		1.07E-09	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 150 m from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.60E+08	9.80E+05	6.57E+07	2.17E+05	4.91E+06	1.01E+03	5.94E+05	2.58E+05
2	4.81E+07	1.25E+06	9.04E+07	3.62E+05	6.84E+06	2.43E+03	1.27E+06	5.51E+05
3	1.67E+07	1.33E+06	9.35E+07	4.60E+05	7.70E+06	4.04E+03	1.89E+06	8.24E+05
4	7.65E+06	1.36E+06	8.60E+07	5.25E+05	8.07E+06	5.74E+03	2.42E+06	1.06E+06
5	5.10E+06	1.37E+06	7.42E+07	5.69E+05	8.22E+06	7.47E+03	2.89E+06	1.27E+06
6	4.34E+06	1.38E+06	6.16E+07	5.99E+05	8.15E+06	8.34E+03	7.90E+06	2.46E+06
7	4.07E+06	1.38E+06	4.97E+07	6.20E+05	8.08E+06	9.20E+03	7.87E+06	2.45E+06
8	3.94E+06	1.39E+06	3.94E+07	6.34E+05	8.01E+06	1.01E+04	7.83E+06	2.44E+06
9	3.85E+06	1.39E+06	3.09E+07	6.43E+05	7.95E+06	1.09E+04	7.80E+06	2.43E+06
10	3.77E+06	1.40E+06	2.40E+07	6.50E+05	7.88E+06	1.18E+04	7.77E+06	2.42E+06
11	3.69E+06	1.40E+06	1.85E+07	6.55E+05	7.82E+06	1.26E+04	7.74E+06	2.41E+06
12	3.62E+06	1.41E+06	1.42E+07	6.59E+05	7.75E+06	1.34E+04	7.70E+06	2.40E+06
13	3.54E+06	1.41E+06	1.09E+07	6.62E+05	7.68E+06	1.42E+04	7.67E+06	2.39E+06
14	3.47E+06	1.42E+06	8.45E+06	6.64E+05	7.62E+06	1.50E+04	7.64E+06	2.38E+06
15	3.41E+06	1.42E+06	6.57E+06	6.66E+05	7.56E+06	1.58E+04	7.61E+06	2.37E+06
16	3.34E+06	1.42E+06	5.16E+06	6.68E+05	7.49E+06	1.66E+04	7.58E+06	2.36E+06
17	3.28E+06	1.43E+06	4.11E+06	6.70E+05	7.43E+06	1.74E+04	7.55E+06	2.35E+06
18	3.21E+06	1.43E+06	3.32E+06	6.71E+05	7.41E+06	1.91E+04	7.18E+06	3.34E+06
19	3.15E+06	1.44E+06	2.73E+06	6.72E+05	7.38E+06	2.08E+04	7.17E+06	3.33E+06
20	3.10E+06	1.44E+06	2.30E+06	6.73E+05	7.35E+06	2.25E+04	7.15E+06	3.33E+06
21	3.04E+06	1.44E+06	1.98E+06	6.75E+05	7.33E+06	2.42E+04	7.14E+06	3.33E+06
22	2.99E+06	1.45E+06	1.74E+06	6.76E+05	7.30E+06	2.58E+04	7.13E+06	3.32E+06
23	2.94E+06	1.45E+06	1.56E+06	6.77E+05	7.27E+06	2.75E+04	7.11E+06	3.32E+06
24	2.89E+06	1.45E+06	1.42E+06	6.78E+05	7.24E+06	2.92E+04	7.10E+06	3.32E+06
25	2.84E+06	1.46E+06	1.32E+06	6.79E+05	7.21E+06	3.09E+04	7.09E+06	3.31E+06
26	2.80E+06	1.46E+06	1.24E+06	6.80E+05	7.19E+06	3.25E+04	7.07E+06	3.31E+06
27	2.76E+06	1.46E+06	1.18E+06	6.81E+05	7.16E+06	3.42E+04	7.06E+06	3.31E+06
28	2.72E+06	1.46E+06	1.13E+06	6.82E+05	7.13E+06	3.58E+04	7.05E+06	3.30E+06
29	2.68E+06	1.47E+06	1.09E+06	6.83E+05	7.10E+06	3.75E+04	7.03E+06	3.30E+06
30	2.64E+06	1.47E+06	1.06E+06	6.84E+05	7.04E+06	3.82E+04	6.82E+06	2.13E+06
31	2.60E+06	1.47E+06	1.03E+06	6.85E+05	6.98E+06	3.89E+04	6.79E+06	2.12E+06
32	2.57E+06	1.47E+06	1.01E+06	6.86E+05	6.92E+06	3.96E+04	6.76E+06	2.11E+06
33	2.53E+06	1.48E+06	9.91E+05	6.87E+05	6.86E+06	4.04E+04	6.74E+06	2.11E+06
34	2.50E+06	1.48E+06	9.74E+05	6.87E+05	6.81E+06	4.11E+04	6.71E+06	2.10E+06
35	2.47E+06	1.48E+06	9.57E+05	6.88E+05	6.75E+06	4.18E+04	6.68E+06	2.09E+06
36	2.44E+06	1.48E+06	9.43E+05	6.89E+05	6.69E+06	4.24E+04	6.65E+06	2.08E+06
37	2.41E+06	1.49E+06	9.29E+05	6.90E+05	6.64E+06	4.31E+04	6.62E+06	2.07E+06
38	2.39E+06	1.49E+06	9.16E+05	6.91E+05	6.58E+06	4.38E+04	6.60E+06	2.06E+06

39	2.36E+06	1.49E+06	9.04E+05	6.92E+05	6.53E+06	4.45E+04	6.57E+06	2.05E+06
40	2.34E+06	1.49E+06	8.93E+05	6.93E+05	6.47E+06	4.51E+04	6.54E+06	2.05E+06
41	2.32E+06	1.49E+06	8.82E+05	6.93E+05	6.42E+06	4.58E+04	6.52E+06	2.04E+06
42	2.29E+06	1.50E+06	8.71E+05	6.94E+05	6.39E+06	4.74E+04	6.19E+06	3.06E+06
43	2.27E+06	1.50E+06	8.61E+05	6.95E+05	6.36E+06	4.90E+04	6.18E+06	3.06E+06
44	2.25E+06	1.50E+06	8.52E+05	6.96E+05	6.33E+06	5.05E+04	6.16E+06	3.06E+06
45	2.23E+06	1.50E+06	8.43E+05	6.97E+05	6.30E+06	5.21E+04	6.15E+06	3.05E+06
46	2.21E+06	1.50E+06	8.34E+05	6.97E+05	6.28E+06	5.37E+04	6.14E+06	3.05E+06
47	2.20E+06	1.51E+06	8.26E+05	6.98E+05	6.25E+06	5.52E+04	6.12E+06	3.04E+06
48	2.18E+06	1.51E+06	8.18E+05	6.99E+05	6.22E+06	5.68E+04	6.11E+06	3.04E+06
49	2.16E+06	1.51E+06	8.10E+05	7.00E+05	6.19E+06	5.84E+04	6.10E+06	3.03E+06
50	2.15E+06	1.51E+06	8.02E+05	7.01E+05	6.16E+06	5.99E+04	6.08E+06	3.03E+06
51	2.13E+06	1.51E+06	7.95E+05	7.01E+05	6.14E+06	6.14E+04	6.07E+06	3.03E+06
52	2.12E+06	1.51E+06	7.88E+05	7.02E+05	6.11E+06	6.30E+04	6.06E+06	3.02E+06
53	2.11E+06	1.52E+06	7.82E+05	7.03E+05	6.08E+06	6.45E+04	6.04E+06	3.02E+06
54	2.09E+06	1.52E+06	7.75E+05	7.04E+05	6.03E+06	6.51E+04	5.85E+06	1.83E+06
55	2.08E+06	1.52E+06	7.69E+05	7.04E+05	5.98E+06	6.57E+04	5.82E+06	1.83E+06
56	2.07E+06	1.52E+06	7.63E+05	7.05E+05	5.93E+06	6.63E+04	5.80E+06	1.82E+06
57	2.05E+06	1.52E+06	7.58E+05	7.06E+05	5.88E+06	6.69E+04	5.77E+06	1.81E+06
58	2.04E+06	1.52E+06	7.52E+05	7.06E+05	5.83E+06	6.75E+04	5.75E+06	1.80E+06
59	2.03E+06	1.52E+06	7.47E+05	7.07E+05	5.78E+06	6.80E+04	5.72E+06	1.80E+06
60	2.02E+06	1.53E+06	7.42E+05	7.08E+05	5.73E+06	6.86E+04	5.70E+06	1.79E+06
61	2.01E+06	1.53E+06	7.37E+05	7.09E+05	5.69E+06	6.92E+04	5.68E+06	1.78E+06
62	2.00E+06	1.53E+06	7.33E+05	7.09E+05	5.64E+06	6.97E+04	5.65E+06	1.77E+06
63	1.99E+06	1.53E+06	7.28E+05	7.10E+05	5.59E+06	7.03E+04	5.63E+06	1.77E+06
64	1.98E+06	1.53E+06	7.24E+05	7.11E+05	5.55E+06	7.08E+04	5.61E+06	1.76E+06
65	1.97E+06	1.53E+06	7.20E+05	7.11E+05	5.50E+06	7.14E+04	5.58E+06	1.75E+06
66	1.96E+06	1.53E+06	7.16E+05	7.12E+05	5.47E+06	7.29E+04	5.31E+06	2.80E+06
67	1.95E+06	1.54E+06	7.12E+05	7.13E+05	5.45E+06	7.43E+04	5.29E+06	2.80E+06
68	1.95E+06	1.54E+06	7.08E+05	7.13E+05	5.43E+06	7.58E+04	5.28E+06	2.79E+06
69	1.94E+06	1.54E+06	7.04E+05	7.14E+05	5.40E+06	7.72E+04	5.27E+06	2.79E+06
168	9.01E+05	1.54E+06	8.80E+05	7.75E+05	3.05E+06	1.82E+05	3.36E+06	2.17E+06
336	4.77E+05	1.31E+06	4.68E+05	8.43E+05	1.28E+06	3.20E+05	1.96E+06	1.62E+06
504	3.55E+05	1.11E+06	3.24E+05	8.85E+05	6.27E+05	3.95E+05	8.76E+05	1.08E+06
720	2.59E+05	8.80E+05	2.18E+05	9.22E+05	3.14E+05	4.36E+05	4.33E+05	7.56E+05
2160	4.89E+04	1.83E+05	2.47E+04	9.95E+05	2.80E+04	2.57E+05	9.73E+04	2.63E+05
4320	4.70E+03	1.74E+04	1.24E+05	9.37E+05	4.92E+03	6.22E+04	1.22E+04	4.21E+04
4800	2.80E+03	1.03E+04	1.24E+05	9.34E+05	3.60E+03	4.49E+04	4.22E+03	1.40E+04
8760	3.84E+01	1.39E+02	1.20E+05	9.10E+05	3.05E+02	3.07E+03	1.33E+03	4.18E+03
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOURL	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/3/5/6	1.60E+08	9.80E+05	9.35E+07	4.60E+05	8.22E+06	7.47E+03	7.90E+06	2.46E+06
SUM	1.61E+08		9.40E+07		8.23E+06		1.04E+07	
Ci/g	4.35E-03		2.54E-03		2.22E-04		2.80E-04	
DIL HTO	5.9E-09							
(Ci/g)								
168	9.01E+05	1.54E+06	8.80E+05	7.75E+05	3.05E+06	1.82E+05	3.36E+06	2.17E+06
SUM	2.44E+06		1.66E+06		3.23E+06		5.53E+06	
Ci/g	6.59E-05		4.47E-05		8.72E-05		1.49E-04	
DIL OBT	2.4E-09							
Ci/g								
8760	3.84E+01	1.39E+02	1.20E+05	9.10E+05	3.05E+02	3.07E+03	1.33E+03	4.18E+03
SUM	1.78E+02		1.03E+06		3.37E+03		5.51E+03	
Ci/g	4.80E-09		2.79E-05		9.11E-08		1.49E-07	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 1 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	3.66E+07	1.97E+05	1.32E+07	4.36E+04	9.90E+05	2.03E+02	1.20E+05	5.19E+04
2	1.31E+07	2.59E+05	1.87E+07	7.44E+04	1.42E+06	4.97E+02	2.59E+05	1.13E+05
3	5.70E+06	2.82E+05	1.97E+07	9.58E+04	1.62E+06	8.36E+02	3.90E+05	1.71E+05
4	3.20E+06	2.91E+05	1.84E+07	1.11E+05	1.72E+06	1.20E+03	5.06E+05	2.22E+05
5	2.29E+06	2.96E+05	1.62E+07	1.21E+05	1.77E+06	1.57E+03	6.07E+05	2.66E+05
6	1.90E+06	3.00E+05	1.37E+07	1.28E+05	1.76E+06	1.76E+03	1.70E+06	5.30E+05
7	1.71E+06	3.03E+05	1.12E+07	1.34E+05	1.74E+06	1.94E+03	1.70E+06	5.28E+05
8	1.60E+06	3.05E+05	9.09E+06	1.37E+05	1.73E+06	2.13E+03	1.69E+06	5.26E+05
9	1.52E+06	3.07E+05	7.27E+06	1.40E+05	1.71E+06	2.31E+03	1.68E+06	5.24E+05
10	1.45E+06	3.10E+05	5.79E+06	1.42E+05	1.70E+06	2.49E+03	1.67E+06	5.22E+05
11	1.40E+06	3.12E+05	4.60E+06	1.44E+05	1.69E+06	2.67E+03	1.67E+06	5.20E+05
12	1.35E+06	3.14E+05	3.66E+06	1.45E+05	1.67E+06	2.85E+03	1.66E+06	5.18E+05
13	1.30E+06	3.16E+05	2.93E+06	1.46E+05	1.66E+06	3.03E+03	1.65E+06	5.15E+05
14	1.26E+06	3.17E+05	2.36E+06	1.47E+05	1.64E+06	3.20E+03	1.65E+06	5.13E+05
15	1.23E+06	3.19E+05	1.93E+06	1.48E+05	1.63E+06	3.37E+03	1.64E+06	5.11E+05
16	1.18E+06	3.21E+05	1.60E+06	1.49E+05	1.62E+06	3.55E+03	1.63E+06	5.09E+05
17	1.14E+06	3.22E+05	1.35E+06	1.50E+05	1.60E+06	3.72E+03	1.63E+06	5.07E+05
18	1.11E+06	3.24E+05	1.15E+06	1.50E+05	1.60E+06	4.09E+03	1.55E+06	7.33E+05
19	1.08E+06	3.25E+05	1.00E+06	1.51E+05	1.60E+06	4.47E+03	1.55E+06	7.33E+05
20	1.05E+06	3.27E+05	8.85E+05	1.52E+05	1.60E+06	4.84E+03	1.55E+06	7.34E+05
21	1.03E+06	3.28E+05	7.95E+05	1.52E+05	1.60E+06	5.22E+03	1.55E+06	7.34E+05
22	9.98E+05	3.29E+05	7.24E+05	1.53E+05	1.60E+06	5.59E+03	1.55E+06	7.34E+05
23	9.73E+05	3.31E+05	6.67E+05	1.53E+05	1.60E+06	5.97E+03	1.55E+06	7.34E+05
24	9.48E+05	3.32E+05	6.22E+05	1.54E+05	1.59E+06	6.34E+03	1.55E+06	7.34E+05
25	9.25E+05	3.33E+05	5.84E+05	1.54E+05	1.59E+06	6.72E+03	1.55E+06	7.34E+05
26	9.03E+05	3.34E+05	5.53E+05	1.55E+05	1.59E+06	7.09E+03	1.55E+06	7.34E+05
27	8.81E+05	3.35E+05	5.26E+05	1.55E+05	1.58E+06	7.47E+03	1.55E+06	7.34E+05
28	8.60E+05	3.36E+05	5.03E+05	1.55E+05	1.58E+06	7.84E+03	1.55E+06	7.34E+05
29	8.40E+05	3.37E+05	4.83E+05	1.56E+05	1.58E+06	8.21E+03	1.54E+06	7.34E+05
30	8.21E+05	3.38E+05	4.64E+05	1.56E+05	1.56E+06	8.38E+03	1.51E+06	4.73E+05
31	8.03E+05	3.39E+05	4.48E+05	1.57E+05	1.55E+06	8.54E+03	1.51E+06	4.71E+05
32	7.86E+05	3.40E+05	4.33E+05	1.57E+05	1.54E+06	8.70E+03	1.50E+06	4.69E+05
33	7.69E+05	3.41E+05	4.18E+05	1.57E+05	1.52E+06	8.85E+03	1.50E+06	4.67E+05
34	7.32E+05	3.42E+05	4.05E+05	1.58E+05	1.51E+06	9.01E+03	1.49E+06	4.66E+05
35	7.11E+05	3.43E+05	3.90E+05	1.58E+05	1.50E+06	9.17E+03	1.48E+06	4.64E+05
36	6.95E+05	3.44E+05	3.76E+05	1.58E+05	1.49E+06	9.32E+03	1.48E+06	4.62E+05
37	6.81E+05	3.44E+05	3.61E+05	1.59E+05	1.47E+06	9.47E+03	1.47E+06	4.60E+05
38	6.69E+05	3.45E+05	3.48E+05	1.59E+05	1.46E+06	9.62E+03	1.47E+06	4.58E+05

39	6.57E+05	3.46E+05	3.35E+05	1.59E+05	1.45E+06	9.77E+03	1.46E+06	4.56E+05
40	6.45E+05	3.46E+05	3.24E+05	1.60E+05	1.44E+06	9.92E+03	1.45E+06	4.54E+05
41	6.34E+05	3.47E+05	3.14E+05	1.60E+05	1.43E+06	1.01E+04	1.45E+06	4.52E+05
42	6.24E+05	3.48E+05	3.04E+05	1.60E+05	1.42E+06	1.04E+04	1.38E+06	6.93E+05
43	6.14E+05	3.48E+05	2.95E+05	1.60E+05	1.42E+06	1.08E+04	1.37E+06	6.92E+05
44	6.05E+05	3.49E+05	2.87E+05	1.61E+05	1.41E+06	1.12E+04	1.37E+06	6.92E+05
45	5.96E+05	3.50E+05	2.80E+05	1.61E+05	1.41E+06	1.15E+04	1.37E+06	6.91E+05
46	5.89E+05	3.50E+05	2.73E+05	1.61E+05	1.40E+06	1.19E+04	1.37E+06	6.90E+05
47	5.72E+05	3.51E+05	2.66E+05	1.61E+05	1.40E+06	1.22E+04	1.37E+06	6.89E+05
48	5.62E+05	3.51E+05	2.59E+05	1.62E+05	1.39E+06	1.26E+04	1.36E+06	6.89E+05
49	5.55E+05	3.52E+05	2.52E+05	1.62E+05	1.38E+06	1.29E+04	1.36E+06	6.88E+05
50	5.49E+05	3.52E+05	2.45E+05	1.62E+05	1.38E+06	1.33E+04	1.36E+06	6.87E+05
51	5.44E+05	3.53E+05	2.39E+05	1.62E+05	1.37E+06	1.37E+04	1.35E+06	6.86E+05
52	5.39E+05	3.53E+05	2.34E+05	1.63E+05	1.37E+06	1.40E+04	1.35E+06	6.85E+05
53	5.34E+05	3.53E+05	2.29E+05	1.63E+05	1.36E+06	1.44E+04	1.35E+06	6.85E+05
54	5.29E+05	3.54E+05	2.24E+05	1.63E+05	1.35E+06	1.45E+04	1.31E+06	4.11E+05
55	5.24E+05	3.54E+05	2.20E+05	1.63E+05	1.34E+06	1.46E+04	1.30E+06	4.09E+05
56	5.20E+05	3.55E+05	2.17E+05	1.63E+05	1.33E+06	1.48E+04	1.30E+06	4.07E+05
57	4.94E+05	3.55E+05	2.13E+05	1.64E+05	1.32E+06	1.49E+04	1.29E+06	4.06E+05
58	4.84E+05	3.56E+05	2.08E+05	1.64E+05	1.31E+06	1.50E+04	1.29E+06	4.04E+05
59	4.80E+05	3.56E+05	2.02E+05	1.64E+05	1.30E+06	1.51E+04	1.28E+06	4.02E+05
60	4.77E+05	3.56E+05	1.96E+05	1.64E+05	1.29E+06	1.53E+04	1.28E+06	4.01E+05
61	4.74E+05	3.57E+05	1.90E+05	1.64E+05	1.27E+06	1.54E+04	1.27E+06	3.99E+05
62	4.72E+05	3.57E+05	1.86E+05	1.64E+05	1.26E+06	1.55E+04	1.27E+06	3.97E+05
63	4.69E+05	3.57E+05	1.82E+05	1.65E+05	1.25E+06	1.57E+04	1.26E+06	3.96E+05
64	4.67E+05	3.58E+05	1.78E+05	1.65E+05	1.24E+06	1.58E+04	1.26E+06	3.94E+05
65	4.65E+05	3.58E+05	1.76E+05	1.65E+05	1.23E+06	1.59E+04	1.25E+06	3.92E+05
66	4.63E+05	3.58E+05	1.73E+05	1.65E+05	1.23E+06	1.62E+04	1.19E+06	6.38E+05
67	4.61E+05	3.59E+05	1.71E+05	1.65E+05	1.22E+06	1.66E+04	1.19E+06	6.38E+05
68	4.59E+05	3.59E+05	1.70E+05	1.65E+05	1.22E+06	1.69E+04	1.18E+06	6.37E+05
69	4.57E+05	3.59E+05	1.68E+05	1.66E+05	1.21E+06	1.72E+04	1.18E+06	6.36E+05
168	2.11E+05	3.60E+05	2.08E+05	1.80E+05	6.91E+05	4.14E+04	7.60E+05	4.98E+05
336	1.11E+05	3.07E+05	1.10E+05	1.96E+05	2.93E+05	7.36E+04	4.48E+05	3.74E+05
504	8.21E+04	2.58E+05	7.59E+04	2.06E+05	1.45E+05	9.12E+04	2.02E+05	2.52E+05
720	6.00E+04	2.05E+05	5.10E+04	2.14E+05	7.30E+04	1.01E+05	1.00E+05	1.76E+05
2160	1.13E+04	4.27E+04	5.76E+03	2.31E+05	6.48E+03	5.98E+04	2.26E+04	6.12E+04
4320	1.09E+03	4.03E+03	2.90E+04	2.18E+05	1.14E+03	1.44E+04	2.82E+03	9.77E+03
4800	6.47E+02	2.39E+03	2.89E+04	2.17E+05	8.29E+02	1.04E+04	9.72E+02	3.25E+03
8760	8.89E+00	3.22E+01	2.81E+04	2.12E+05	7.02E+01	7.11E+02	3.07E+02	9.67E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/3/6/6	3.66E+07	1.97E+05	1.97E+07	9.58E+04	1.76E+06	1.76E+03	1.70E+06	5.30E+05
SUM	3.68E+07		1.98E+07		1.76E+06		2.23E+06	
Ci/g	9.95E-04		5.35E-04		4.75E-05		6.03E-05	
DIL HTO (Ci/g)	5.9E-09							
168	2.11E+05	3.60E+05	2.08E+05	1.80E+05	6.91E+05	4.14E+04	7.60E+05	4.98E+05
SUM	5.71E+05		3.88E+05		7.32E+05		1.26E+06	
Ci/g	1.54E-05		1.05E-05		1.98E-05		3.40E-05	
DIL OBT Ci/g	2.4E-09							
8760	8.89E+00	3.22E+01	2.81E+04	2.12E+05	7.02E+01	7.11E+02	3.07E+02	9.67E+02
SUM	4.11E+01		2.40E+05		7.81E+02		1.27E+03	
Ci/g	1.11E-09		6.48E-06		2.11E-08		3.44E-08	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 10 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.96E+06	8.43E+03	5.65E+05	1.87E+03	4.27E+04	8.71E+00	5.18E+03	2.24E+03
2	1.26E+06	1.39E+04	9.83E+05	3.79E+03	7.48E+04	2.42E+01	1.27E+04	5.50E+03
3	5.96E+05	1.60E+04	1.12E+06	5.20E+03	9.11E+04	4.32E+01	2.02E+04	8.82E+03
4	3.53E+05	1.70E+04	1.10E+06	6.22E+03	9.98E+04	6.41E+01	2.72E+04	1.19E+04
5	2.54E+05	1.76E+04	1.00E+06	6.96E+03	1.05E+05	8.62E+01	3.34E+04	1.46E+04
6	2.08E+05	1.80E+04	8.74E+05	7.50E+03	1.04E+05	9.73E+01	1.01E+05	3.14E+04
7	1.84E+05	1.84E+04	7.40E+05	7.90E+03	1.03E+05	1.08E+02	1.00E+05	3.13E+04
8	1.68E+05	1.87E+04	6.16E+05	8.21E+03	1.02E+05	1.19E+02	1.00E+05	3.11E+04
9	1.58E+05	1.89E+04	5.08E+05	8.44E+03	1.02E+05	1.30E+02	9.96E+04	3.10E+04
10	1.49E+05	1.92E+04	4.17E+05	8.64E+03	1.01E+05	1.41E+02	9.92E+04	3.09E+04
11	1.43E+05	1.94E+04	3.43E+05	8.79E+03	1.00E+05	1.52E+02	9.88E+04	3.08E+04
12	1.37E+05	1.96E+04	2.83E+05	8.93E+03	9.92E+04	1.62E+02	9.84E+04	3.07E+04
13	1.32E+05	1.98E+04	2.36E+05	9.04E+03	9.84E+04	1.73E+02	9.81E+04	3.06E+04
14	1.28E+05	2.00E+04	1.98E+05	9.15E+03	9.76E+04	1.83E+02	9.77E+04	3.04E+04
15	1.23E+05	2.02E+04	1.69E+05	9.24E+03	9.69E+04	1.93E+02	9.73E+04	3.03E+04
16	1.19E+05	2.04E+04	1.46E+05	9.33E+03	9.61E+04	2.03E+02	9.69E+04	3.02E+04
17	1.15E+05	2.06E+04	1.28E+05	9.41E+03	9.53E+04	2.14E+02	9.65E+04	3.01E+04
18	1.12E+05	2.07E+04	1.14E+05	9.49E+03	9.58E+04	2.37E+02	9.29E+04	4.49E+04
19	1.08E+05	2.09E+04	1.03E+05	9.56E+03	9.62E+04	2.60E+02	9.31E+04	4.50E+04
20	1.05E+05	2.11E+04	9.38E+04	9.63E+03	9.66E+04	2.84E+02	9.33E+04	4.51E+04
21	1.02E+05	2.12E+04	8.65E+04	9.70E+03	9.70E+04	3.07E+02	9.34E+04	4.52E+04
22	9.92E+04	2.14E+04	8.06E+04	9.76E+03	9.73E+04	3.31E+02	9.36E+04	4.53E+04
23	9.64E+04	2.15E+04	7.57E+04	9.82E+03	9.76E+04	3.55E+02	9.38E+04	4.54E+04
24	9.36E+04	2.16E+04	7.15E+04	9.88E+03	9.78E+04	3.79E+02	9.39E+04	4.55E+04
25	9.10E+04	2.18E+04	6.79E+04	9.94E+03	9.80E+04	4.02E+02	9.40E+04	4.56E+04
26	8.85E+04	2.19E+04	6.47E+04	9.99E+03	9.82E+04	4.26E+02	9.42E+04	4.57E+04
27	8.60E+04	2.20E+04	6.19E+04	1.01E+04	9.83E+04	4.50E+02	9.43E+04	4.57E+04
28	8.36E+04	2.21E+04	5.94E+04	1.01E+04	9.84E+04	4.74E+02	9.44E+04	4.58E+04
29	8.13E+04	2.23E+04	5.70E+04	1.02E+04	9.85E+04	4.99E+02	9.45E+04	4.59E+04
30	7.91E+04	2.24E+04	5.49E+04	1.02E+04	9.77E+04	5.09E+02	9.47E+04	2.96E+04
31	7.67E+04	2.25E+04	5.29E+04	1.02E+04	9.69E+04	5.19E+02	9.43E+04	2.95E+04
32	7.46E+04	2.26E+04	5.09E+04	1.03E+04	9.61E+04	5.29E+02	9.39E+04	2.94E+04
33	7.25E+04	2.27E+04	4.91E+04	1.03E+04	9.54E+04	5.39E+02	9.36E+04	2.92E+04
34	7.04E+04	2.28E+04	4.73E+04	1.04E+04	9.46E+04	5.48E+02	9.32E+04	2.91E+04
35	6.84E+04	2.29E+04	4.56E+04	1.04E+04	9.38E+04	5.58E+02	9.28E+04	2.90E+04
36	6.66E+04	2.29E+04	4.40E+04	1.05E+04	9.30E+04	5.68E+02	9.24E+04	2.89E+04
37	6.50E+04	2.30E+04	4.24E+04	1.05E+04	9.23E+04	5.77E+02	9.21E+04	2.88E+04
38	6.34E+04	2.31E+04	4.09E+04	1.05E+04	9.15E+04	5.87E+02	9.17E+04	2.87E+04

39	6.19E+04	2.32E+04	3.95E+04	1.06E+04	9.08E+04	5.96E+02	9.13E+04	2.85E+04
40	6.04E+04	2.33E+04	3.82E+04	1.06E+04	9.00E+04	6.05E+02	9.09E+04	2.84E+04
41	5.91E+04	2.33E+04	3.69E+04	1.06E+04	8.93E+04	6.15E+02	9.06E+04	2.83E+04
42	5.78E+04	2.34E+04	3.57E+04	1.07E+04	8.92E+04	6.38E+02	8.64E+04	4.47E+04
43	5.65E+04	2.35E+04	3.46E+04	1.07E+04	8.91E+04	6.62E+02	8.64E+04	4.47E+04
44	5.54E+04	2.35E+04	3.35E+04	1.07E+04	8.89E+04	6.86E+02	8.63E+04	4.47E+04
45	5.43E+04	2.36E+04	3.24E+04	1.08E+04	8.88E+04	7.09E+02	8.62E+04	4.47E+04
46	5.33E+04	2.37E+04	3.15E+04	1.08E+04	8.86E+04	7.33E+02	8.62E+04	4.47E+04
47	5.21E+04	2.37E+04	3.06E+04	1.08E+04	8.85E+04	7.57E+02	8.61E+04	4.47E+04
48	5.11E+04	2.38E+04	2.97E+04	1.08E+04	8.83E+04	7.80E+02	8.60E+04	4.47E+04
49	5.03E+04	2.38E+04	2.88E+04	1.09E+04	8.81E+04	8.04E+02	8.60E+04	4.46E+04
50	4.95E+04	2.39E+04	2.80E+04	1.09E+04	8.79E+04	8.27E+02	8.59E+04	4.46E+04
51	4.88E+04	2.39E+04	2.73E+04	1.09E+04	8.78E+04	8.51E+02	8.58E+04	4.46E+04
52	4.81E+04	2.40E+04	2.66E+04	1.09E+04	8.75E+04	8.74E+02	8.57E+04	4.46E+04
53	4.74E+04	2.40E+04	2.59E+04	1.10E+04	8.73E+04	8.98E+02	8.56E+04	4.46E+04
54	4.68E+04	2.41E+04	2.53E+04	1.10E+04	8.66E+04	9.07E+02	8.40E+04	2.63E+04
55	4.62E+04	2.41E+04	2.48E+04	1.10E+04	8.59E+04	9.15E+02	8.36E+04	2.62E+04
56	4.57E+04	2.42E+04	2.42E+04	1.10E+04	8.52E+04	9.24E+02	8.33E+04	2.61E+04
57	4.48E+04	2.42E+04	2.38E+04	1.10E+04	8.45E+04	9.32E+02	8.29E+04	2.60E+04
58	4.42E+04	2.43E+04	2.33E+04	1.11E+04	8.38E+04	9.41E+02	8.26E+04	2.59E+04
59	4.37E+04	2.43E+04	2.28E+04	1.11E+04	8.31E+04	9.49E+02	8.22E+04	2.58E+04
60	4.32E+04	2.44E+04	2.23E+04	1.11E+04	8.24E+04	9.57E+02	8.19E+04	2.57E+04
61	4.28E+04	2.44E+04	2.19E+04	1.11E+04	8.17E+04	9.65E+02	8.16E+04	2.56E+04
62	4.18E+04	2.44E+04	2.15E+04	1.11E+04	8.10E+04	9.73E+02	8.12E+04	2.55E+04
63	4.13E+04	2.45E+04	2.10E+04	1.12E+04	8.04E+04	9.81E+02	8.09E+04	2.54E+04
64	4.08E+04	2.45E+04	2.06E+04	1.12E+04	7.97E+04	9.89E+02	8.06E+04	2.53E+04
65	4.05E+04	2.46E+04	2.02E+04	1.12E+04	7.90E+04	9.97E+02	8.02E+04	2.52E+04
66	4.02E+04	2.46E+04	1.98E+04	1.12E+04	7.88E+04	1.02E+03	7.64E+04	4.22E+04
67	3.99E+04	2.46E+04	1.94E+04	1.12E+04	7.86E+04	1.04E+03	7.63E+04	4.22E+04
68	3.96E+04	2.47E+04	1.91E+04	1.13E+04	7.84E+04	1.07E+03	7.62E+04	4.22E+04
69	3.93E+04	2.47E+04	1.88E+04	1.13E+04	7.81E+04	1.09E+03	7.61E+04	4.21E+04
168	1.45E+04	2.51E+04	1.46E+04	1.25E+04	4.63E+04	2.75E+03	5.08E+04	3.41E+04
336	7.48E+03	2.14E+04	7.58E+03	1.36E+04	1.99E+04	5.00E+03	3.02E+04	2.58E+04
504	5.54E+03	1.80E+04	5.22E+03	1.43E+04	9.89E+03	6.24E+03	1.37E+04	1.75E+04
720	4.04E+03	1.43E+04	3.51E+03	1.49E+04	5.01E+03	6.92E+03	6.87E+03	1.22E+04
2160	7.59E+02	2.94E+03	3.95E+02	1.61E+04	4.42E+02	4.12E+03	1.55E+03	4.24E+03
4320	7.30E+01	2.74E+02	1.99E+03	1.51E+04	7.65E+01	9.94E+02	1.91E+02	6.71E+02
4800	4.34E+01	1.62E+02	1.98E+03	1.51E+04	5.58E+01	7.17E+02	6.55E+01	2.22E+02
8760	5.97E-01	2.17E+00	1.93E+03	1.47E+04	4.70E+00	4.87E+01	2.06E+01	6.60E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/3/6/6	1.96E+06	8.43E+03	1.12E+06	5.20E+03	1.04E+05	9.73E+01	1.01E+05	3.14E+04
SUM	1.97E+06		1.13E+06		1.04E+05		1.32E+05	
Ci/g	5.31E-05		3.05E-05		2.81E-06		3.57E-06	
DIL HTO	5.9E-09							
(Ci/g)								
168	1.45E+04	2.51E+04	1.46E+04	1.25E+04	4.63E+04	2.75E+03	5.08E+04	3.41E+04
SUM	3.96E+04		2.71E+04		4.91E+04		8.49E+04	
Ci/g	1.07E-06		7.33E-07		1.33E-06		2.30E-06	
DIL OBT	2.4E-09							
Ci/g								
8760	5.97E-01	2.17E+00	1.93E+03	1.47E+04	4.70E+00	4.87E+01	2.06E+01	6.60E+01
SUM	2.77E+00		1.66E+04		5.34E+01		8.67E+01	
Ci/g	7.49E-11		4.49E-07		1.44E-09		2.34E-09	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 11.54 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.12E+06	3.11E+03	2.08E+05	6.88E+02	1.61E+04	3.25E+00	1.95E+03	8.36E+02
2	1.92E+06	1.14E+04	7.77E+05	2.77E+03	5.91E+04	1.54E+01	8.10E+03	3.51E+03
3	8.99E+05	1.46E+04	1.03E+06	4.36E+03	8.11E+04	3.23E+01	1.51E+04	6.59E+03
4	5.14E+05	1.62E+04	1.09E+06	5.54E+03	9.33E+04	5.18E+01	2.20E+04	9.60E+03
5	3.57E+05	1.70E+04	1.03E+06	6.41E+03	1.00E+05	7.29E+01	2.83E+04	1.24E+04
6	2.84E+05	1.76E+04	9.29E+05	7.07E+03	9.97E+04	8.35E+01	9.66E+04	3.01E+04
7	2.46E+05	1.81E+04	8.07E+05	7.56E+03	9.90E+04	9.41E+01	9.63E+04	3.00E+04
8	2.23E+05	1.85E+04	6.87E+05	7.94E+03	9.82E+04	1.05E+02	9.59E+04	2.99E+04
9	2.07E+05	1.88E+04	5.77E+05	8.24E+03	9.75E+04	1.15E+02	9.56E+04	2.98E+04
10	1.96E+05	1.92E+04	4.83E+05	8.49E+03	9.68E+04	1.25E+02	9.52E+04	2.97E+04
11	1.86E+05	1.95E+04	4.04E+05	8.69E+03	9.60E+04	1.36E+02	9.49E+04	2.96E+04
12	1.78E+05	1.98E+04	3.39E+05	8.87E+03	9.53E+04	1.46E+02	9.45E+04	2.94E+04
13	1.72E+05	2.00E+04	2.87E+05	9.03E+03	9.46E+04	1.56E+02	9.42E+04	2.93E+04
14	1.65E+05	2.03E+04	2.46E+05	9.17E+03	9.39E+04	1.66E+02	9.38E+04	2.92E+04
15	1.60E+05	2.06E+04	2.13E+05	9.29E+03	9.31E+04	1.76E+02	9.34E+04	2.91E+04
16	1.54E+05	2.08E+04	1.86E+05	9.41E+03	9.24E+04	1.86E+02	9.31E+04	2.90E+04
17	1.49E+05	2.10E+04	1.66E+05	9.52E+03	9.17E+04	1.95E+02	9.27E+04	2.89E+04
18	1.44E+05	2.13E+04	1.49E+05	9.63E+03	9.26E+04	2.19E+02	8.97E+04	4.43E+04
19	1.40E+05	2.15E+04	1.36E+05	9.73E+03	9.34E+04	2.42E+02	9.01E+04	4.45E+04
20	1.35E+05	2.17E+04	1.25E+05	9.82E+03	9.42E+04	2.66E+02	9.05E+04	4.47E+04
21	1.31E+05	2.19E+04	1.16E+05	9.91E+03	9.48E+04	2.89E+02	9.09E+04	4.49E+04
22	1.27E+05	2.21E+04	1.08E+05	1.00E+04	9.55E+04	3.13E+02	9.12E+04	4.50E+04
23	1.24E+05	2.23E+04	1.02E+05	1.01E+04	9.61E+04	3.38E+02	9.15E+04	4.52E+04
24	1.20E+05	2.25E+04	9.67E+04	1.02E+04	9.66E+04	3.62E+02	9.18E+04	4.54E+04
25	1.16E+05	2.26E+04	9.20E+04	1.02E+04	9.71E+04	3.86E+02	9.21E+04	4.55E+04
26	1.13E+05	2.28E+04	8.78E+04	1.03E+04	9.76E+04	4.11E+02	9.24E+04	4.57E+04
27	1.09E+05	2.30E+04	8.40E+04	1.04E+04	9.80E+04	4.35E+02	9.27E+04	4.58E+04
28	1.06E+05	2.31E+04	8.05E+04	1.05E+04	9.84E+04	4.60E+02	9.29E+04	4.59E+04
29	1.03E+05	2.33E+04	7.73E+04	1.05E+04	9.87E+04	4.85E+02	9.31E+04	4.61E+04
30	9.99E+04	2.34E+04	7.43E+04	1.06E+04	9.79E+04	4.95E+02	9.49E+04	2.96E+04
31	9.67E+04	2.36E+04	7.15E+04	1.07E+04	9.71E+04	5.05E+02	9.45E+04	2.95E+04
32	9.38E+04	2.37E+04	6.88E+04	1.07E+04	9.63E+04	5.15E+02	9.41E+04	2.94E+04
33	9.11E+04	2.38E+04	6.63E+04	1.08E+04	9.56E+04	5.25E+02	9.38E+04	2.93E+04
34	8.25E+04	2.40E+04	6.38E+04	1.08E+04	9.48E+04	5.35E+02	9.34E+04	2.92E+04
35	7.85E+04	2.41E+04	6.08E+04	1.09E+04	9.40E+04	5.45E+02	9.30E+04	2.91E+04
36	7.58E+04	2.42E+04	5.77E+04	1.09E+04	9.33E+04	5.54E+02	9.26E+04	2.89E+04
37	7.35E+04	2.43E+04	5.47E+04	1.10E+04	9.25E+04	5.64E+02	9.23E+04	2.88E+04
38	7.14E+04	2.44E+04	5.18E+04	1.10E+04	9.17E+04	5.73E+02	9.19E+04	2.87E+04

39	6.95E+04	2.44E+04	4.92E+04	1.11E+04	9.10E+04	5.83E+02	9.15E+04	2.86E+04
40	6.77E+04	2.45E+04	4.68E+04	1.11E+04	9.02E+04	5.92E+02	9.12E+04	2.85E+04
41	6.59E+04	2.46E+04	4.47E+04	1.11E+04	8.95E+04	6.01E+02	9.08E+04	2.84E+04
42	6.43E+04	2.47E+04	4.27E+04	1.12E+04	8.95E+04	6.26E+02	8.67E+04	4.58E+04
43	6.28E+04	2.48E+04	4.09E+04	1.12E+04	8.94E+04	6.50E+02	8.67E+04	4.58E+04
44	6.13E+04	2.49E+04	3.93E+04	1.12E+04	8.94E+04	6.75E+02	8.67E+04	4.58E+04
45	5.99E+04	2.49E+04	3.78E+04	1.13E+04	8.93E+04	6.99E+02	8.66E+04	4.58E+04
46	5.87E+04	2.50E+04	3.64E+04	1.13E+04	8.92E+04	7.24E+02	8.66E+04	4.58E+04
47	5.31E+04	2.51E+04	3.51E+04	1.13E+04	8.91E+04	7.49E+02	8.66E+04	4.58E+04
48	4.94E+04	2.51E+04	3.34E+04	1.14E+04	8.89E+04	7.73E+02	8.65E+04	4.58E+04
49	4.79E+04	2.52E+04	3.15E+04	1.14E+04	8.87E+04	7.98E+02	8.64E+04	4.58E+04
50	4.71E+04	2.52E+04	2.96E+04	1.14E+04	8.85E+04	8.22E+02	8.64E+04	4.58E+04
51	4.64E+04	2.53E+04	2.79E+04	1.14E+04	8.83E+04	8.47E+02	8.63E+04	4.58E+04
52	4.59E+04	2.53E+04	2.64E+04	1.15E+04	8.81E+04	8.71E+02	8.62E+04	4.58E+04
53	4.53E+04	2.54E+04	2.51E+04	1.15E+04	8.78E+04	8.95E+02	8.61E+04	4.57E+04
54	4.48E+04	2.54E+04	2.40E+04	1.15E+04	8.71E+04	9.04E+02	8.44E+04	2.65E+04
55	4.43E+04	2.54E+04	2.31E+04	1.15E+04	8.64E+04	9.13E+02	8.41E+04	2.64E+04
56	4.39E+04	2.55E+04	2.23E+04	1.15E+04	8.57E+04	9.21E+02	8.37E+04	2.63E+04
57	4.32E+04	2.55E+04	2.17E+04	1.16E+04	8.50E+04	9.30E+02	8.34E+04	2.61E+04
58	4.27E+04	2.56E+04	2.11E+04	1.16E+04	8.43E+04	9.38E+02	8.30E+04	2.60E+04
59	4.23E+04	2.56E+04	2.05E+04	1.16E+04	8.36E+04	9.46E+02	8.27E+04	2.59E+04
60	4.19E+04	2.56E+04	2.00E+04	1.16E+04	8.29E+04	9.55E+02	8.24E+04	2.58E+04
61	4.15E+04	2.57E+04	1.96E+04	1.16E+04	8.22E+04	9.63E+02	8.20E+04	2.57E+04
62	4.08E+04	2.57E+04	1.92E+04	1.17E+04	8.15E+04	9.71E+02	8.17E+04	2.56E+04
63	4.03E+04	2.58E+04	1.89E+04	1.17E+04	8.08E+04	9.79E+02	8.13E+04	2.55E+04
64	4.00E+04	2.58E+04	1.85E+04	1.17E+04	8.01E+04	9.87E+02	8.10E+04	2.54E+04
65	3.97E+04	2.58E+04	1.82E+04	1.17E+04	7.95E+04	9.95E+02	8.07E+04	2.53E+04
66	3.94E+04	2.59E+04	1.78E+04	1.17E+04	7.92E+04	1.02E+03	7.68E+04	4.33E+04
67	3.91E+04	2.59E+04	1.76E+04	1.17E+04	7.90E+04	1.04E+03	7.67E+04	4.33E+04
68	3.89E+04	2.59E+04	1.73E+04	1.18E+04	7.88E+04	1.07E+03	7.66E+04	4.32E+04
69	3.86E+04	2.60E+04	1.71E+04	1.18E+04	7.85E+04	1.09E+03	7.65E+04	4.32E+04
168	1.53E+04	2.63E+04	1.55E+04	1.30E+04	4.68E+04	2.81E+03	5.12E+04	3.51E+04
336	7.81E+03	2.24E+04	7.98E+03	1.42E+04	2.04E+04	5.15E+03	3.08E+04	2.68E+04
504	5.76E+03	1.88E+04	5.49E+03	1.49E+04	1.03E+04	6.46E+03	1.42E+04	1.82E+04
720	4.20E+03	1.49E+04	3.68E+03	1.55E+04	5.22E+03	7.19E+03	7.15E+03	1.28E+04
2160	7.88E+02	3.07E+03	4.15E+02	1.67E+04	4.59E+02	4.29E+03	1.62E+03	4.42E+03
4320	7.58E+01	2.86E+02	2.09E+03	1.58E+04	7.89E+01	1.03E+03	1.98E+02	6.98E+02
4800	4.51E+01	1.69E+02	2.08E+03	1.57E+04	5.76E+01	7.46E+02	6.76E+01	2.31E+02
8760	6.19E-01	2.26E+00	2.03E+03	1.53E+04	4.83E+00	5.06E+01	2.13E+01	6.85E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

2/4/5/6	1.92E+06	1.14E+04	1.09E+06	5.54E+03	1.00E+05	7.29E+01	9.66E+04	3.01E+04
SUM	1.93E+06		1.09E+06		1.00E+05		1.27E+05	
Ci/g	5.22E-05		2.95E-05		2.72E-06		3.42E-06	
DIL HTO (Ci/g)	5.9E-09							
168	1.53E+04	2.63E+04	1.55E+04	1.30E+04	4.68E+04	2.81E+03	5.12E+04	3.51E+04
SUM	4.16E+04		2.85E+04		4.96E+04		8.63E+04	
Ci/g	1.12E-06		7.69E-07		1.34E-06		2.33E-06	
DIL OBT Ci/g	2.4E-09							
8760	6.19E-01	2.26E+00	2.03E+03	1.53E+04	4.83E+00	5.06E+01	2.13E+01	6.85E+01
SUM	2.88E+00		1.73E+04		5.54E+01		8.97E+01	
Ci/g	7.78E-11		4.69E-07		1.50E-09		2.43E-09	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 50 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	6.85E+04	0.00E+00	0.00E+00	0.00E+00	5.77E+01	6.20E-03	6.99E+00	2.18E+00
2	9.98E+04	1.17E+02	7.36E+03	2.43E+01	6.55E+02	1.34E-01	7.67E+01	3.16E+01
3	1.45E+05	2.88E+02	1.88E+04	6.92E+01	1.61E+03	4.57E-01	2.25E+02	9.52E+01
4	1.32E+05	5.95E+02	3.89E+04	1.54E+02	3.25E+03	1.12E+00	4.91E+02	2.11E+02
5	5.58E+05	3.47E+03	2.33E+05	8.33E+02	1.79E+04	4.80E+00	1.89E+03	8.20E+02
6	2.58E+05	4.62E+03	3.25E+05	1.36E+03	1.79E+04	6.72E+00	1.73E+04	5.40E+03
7	1.29E+05	5.06E+03	3.44E+05	1.74E+03	1.78E+04	8.63E+00	1.73E+04	5.38E+03
8	8.67E+04	5.27E+03	3.25E+05	2.01E+03	1.77E+04	1.05E+01	1.72E+04	5.36E+03
9	7.06E+04	5.42E+03	2.89E+05	2.20E+03	1.75E+04	1.24E+01	1.72E+04	5.35E+03
10	6.33E+04	5.53E+03	2.48E+05	2.35E+03	1.74E+04	1.43E+01	1.71E+04	5.33E+03
11	5.91E+04	5.63E+03	2.09E+05	2.46E+03	1.73E+04	1.61E+01	1.71E+04	5.31E+03
12	5.62E+04	5.72E+03	1.74E+05	2.54E+03	1.72E+04	1.80E+01	1.70E+04	5.29E+03
13	5.40E+04	5.81E+03	1.44E+05	2.61E+03	1.71E+04	1.98E+01	1.69E+04	5.28E+03
14	5.20E+04	5.90E+03	1.19E+05	2.67E+03	1.69E+04	2.16E+01	1.69E+04	5.26E+03
15	5.03E+04	5.98E+03	9.91E+04	2.72E+03	1.68E+04	2.34E+01	1.68E+04	5.24E+03
16	4.88E+04	6.06E+03	8.33E+04	2.76E+03	1.67E+04	2.52E+01	1.68E+04	5.22E+03
17	4.74E+04	6.13E+03	7.08E+04	2.80E+03	1.66E+04	2.69E+01	1.67E+04	5.20E+03
18	4.60E+04	6.21E+03	6.10E+04	2.84E+03	1.70E+04	3.27E+01	1.64E+04	9.89E+03
19	4.48E+04	6.28E+03	5.33E+04	2.87E+03	1.73E+04	3.85E+01	1.66E+04	9.97E+03
20	4.36E+04	6.34E+03	4.73E+04	2.90E+03	1.77E+04	4.44E+01	1.68E+04	1.01E+04
21	4.24E+04	6.41E+03	4.26E+04	2.93E+03	1.80E+04	5.03E+01	1.70E+04	1.01E+04
22	4.13E+04	6.48E+03	3.88E+04	2.96E+03	1.83E+04	5.63E+01	1.71E+04	1.02E+04
23	4.03E+04	6.54E+03	3.58E+04	2.99E+03	1.86E+04	6.24E+01	1.73E+04	1.03E+04
24	3.92E+04	6.60E+03	3.34E+04	3.01E+03	1.89E+04	6.86E+01	1.74E+04	1.03E+04
25	3.82E+04	6.66E+03	3.15E+04	3.04E+03	1.92E+04	7.48E+01	1.76E+04	1.04E+04
26	3.72E+04	6.71E+03	2.98E+04	3.06E+03	1.94E+04	8.10E+01	1.77E+04	1.05E+04
27	3.62E+04	6.77E+03	2.84E+04	3.09E+03	1.97E+04	8.73E+01	1.78E+04	1.05E+04
28	3.53E+04	6.82E+03	2.71E+04	3.11E+03	1.99E+04	9.36E+01	1.80E+04	1.06E+04
29	3.44E+04	6.87E+03	2.61E+04	3.14E+03	2.01E+04	1.00E+02	1.81E+04	1.07E+04
30	3.35E+04	6.92E+03	2.51E+04	3.16E+03	2.00E+04	1.02E+02	1.94E+04	6.05E+03
31	3.25E+04	6.97E+03	2.42E+04	3.18E+03	1.98E+04	1.04E+02	1.93E+04	6.02E+03
32	3.16E+04	7.02E+03	2.33E+04	3.20E+03	1.97E+04	1.06E+02	1.92E+04	6.00E+03
33	3.08E+04	7.06E+03	2.25E+04	3.22E+03	1.95E+04	1.08E+02	1.91E+04	5.98E+03
34	2.98E+04	7.10E+03	2.18E+04	3.24E+03	1.94E+04	1.10E+02	1.91E+04	5.95E+03
35	2.89E+04	7.15E+03	2.10E+04	3.26E+03	1.92E+04	1.12E+02	1.90E+04	5.93E+03
36	2.81E+04	7.19E+03	2.03E+04	3.27E+03	1.91E+04	1.14E+02	1.89E+04	5.91E+03
37	2.73E+04	7.22E+03	1.96E+04	3.29E+03	1.89E+04	1.16E+02	1.88E+04	5.88E+03
38	2.66E+04	7.26E+03	1.89E+04	3.31E+03	1.88E+04	1.18E+02	1.88E+04	5.86E+03

39	2.59E+04	7.30E+03	1.83E+04	3.32E+03	1.86E+04	1.20E+02	1.87E+04	5.84E+03
40	2.52E+04	7.33E+03	1.77E+04	3.34E+03	1.85E+04	1.22E+02	1.86E+04	5.82E+03
41	2.46E+04	7.37E+03	1.71E+04	3.36E+03	1.83E+04	1.24E+02	1.85E+04	5.79E+03
42	2.40E+04	7.40E+03	1.65E+04	3.37E+03	1.84E+04	1.30E+02	1.79E+04	1.12E+04
43	2.34E+04	7.43E+03	1.60E+04	3.38E+03	1.85E+04	1.37E+02	1.79E+04	1.12E+04
44	2.29E+04	7.46E+03	1.55E+04	3.40E+03	1.86E+04	1.43E+02	1.80E+04	1.12E+04
45	2.24E+04	7.49E+03	1.50E+04	3.41E+03	1.87E+04	1.50E+02	1.80E+04	1.13E+04
46	2.19E+04	7.52E+03	1.45E+04	3.42E+03	1.88E+04	1.57E+02	1.81E+04	1.13E+04
47	2.13E+04	7.54E+03	1.41E+04	3.44E+03	1.89E+04	1.63E+02	1.81E+04	1.13E+04
48	2.08E+04	7.57E+03	1.36E+04	3.45E+03	1.90E+04	1.70E+02	1.81E+04	1.13E+04
49	2.03E+04	7.60E+03	1.32E+04	3.46E+03	1.90E+04	1.76E+02	1.82E+04	1.14E+04
50	1.99E+04	7.62E+03	1.28E+04	3.47E+03	1.91E+04	1.83E+02	1.82E+04	1.14E+04
51	1.96E+04	7.65E+03	1.24E+04	3.48E+03	1.92E+04	1.90E+02	1.83E+04	1.14E+04
52	1.92E+04	7.67E+03	1.21E+04	3.49E+03	1.92E+04	1.96E+02	1.83E+04	1.14E+04
53	1.89E+04	7.69E+03	1.17E+04	3.50E+03	1.93E+04	2.03E+02	1.83E+04	1.14E+04
54	1.86E+04	7.71E+03	1.14E+04	3.51E+03	1.91E+04	2.05E+02	1.85E+04	5.81E+03
55	1.83E+04	7.74E+03	1.11E+04	3.52E+03	1.90E+04	2.07E+02	1.84E+04	5.78E+03
56	1.81E+04	7.76E+03	1.08E+04	3.53E+03	1.88E+04	2.09E+02	1.84E+04	5.76E+03
57	1.78E+04	7.78E+03	1.06E+04	3.54E+03	1.86E+04	2.11E+02	1.83E+04	5.74E+03
58	1.75E+04	7.80E+03	1.03E+04	3.55E+03	1.85E+04	2.12E+02	1.82E+04	5.71E+03
59	1.72E+04	7.82E+03	1.01E+04	3.56E+03	1.83E+04	2.14E+02	1.81E+04	5.69E+03
60	1.70E+04	7.84E+03	9.87E+03	3.57E+03	1.82E+04	2.16E+02	1.81E+04	5.67E+03
61	1.68E+04	7.85E+03	9.66E+03	3.58E+03	1.80E+04	2.18E+02	1.80E+04	5.65E+03
62	1.65E+04	7.87E+03	9.46E+03	3.59E+03	1.79E+04	2.20E+02	1.79E+04	5.62E+03
63	1.63E+04	7.89E+03	9.27E+03	3.60E+03	1.78E+04	2.21E+02	1.79E+04	5.60E+03
64	1.61E+04	7.91E+03	9.08E+03	3.61E+03	1.76E+04	2.23E+02	1.78E+04	5.58E+03
65	1.60E+04	7.93E+03	8.91E+03	3.61E+03	1.75E+04	2.25E+02	1.77E+04	5.56E+03
66	1.58E+04	7.94E+03	8.74E+03	3.62E+03	1.75E+04	2.31E+02	1.70E+04	1.12E+04
67	1.57E+04	7.96E+03	8.59E+03	3.63E+03	1.75E+04	2.38E+02	1.70E+04	1.13E+04
68	1.55E+04	7.98E+03	8.45E+03	3.64E+03	1.75E+04	2.45E+02	1.70E+04	1.13E+04
69	1.54E+04	7.99E+03	8.32E+03	3.65E+03	1.76E+04	2.51E+02	1.70E+04	1.13E+04
168	4.75E+03	8.32E+03	4.92E+03	4.15E+03	1.22E+04	7.57E+02	1.31E+04	1.02E+04
336	2.34E+03	7.08E+03	2.46E+03	4.51E+03	5.80E+03	1.50E+03	8.36E+03	8.05E+03
504	1.72E+03	5.93E+03	1.68E+03	4.73E+03	3.06E+03	1.92E+03	4.12E+03	5.65E+03
720	1.25E+03	4.69E+03	1.13E+03	4.92E+03	1.60E+03	2.17E+03	2.17E+03	4.00E+03
2160	2.33E+02	9.47E+02	1.26E+02	5.30E+03	1.40E+02	1.32E+03	5.00E+02	1.38E+03
4320	2.24E+01	8.67E+01	6.36E+02	5.00E+03	2.36E+01	3.18E+02	5.98E+01	2.15E+02
4800	1.33E+01	5.11E+01	6.34E+02	4.98E+03	1.72E+01	2.29E+02	2.01E+01	7.03E+01
8760	1.83E-01	6.73E-01	6.18E+02	4.85E+03	1.43E+00	1.54E+01	6.32E+00	2.08E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

5/7/29/30	5.58E+05	3.47E+03	3.44E+05	1.74E+03	2.01E+04	1.00E+02	1.94E+04	6.05E+03
SUM	5.61E+05		3.46E+05		2.02E+04		2.54E+04	
Ci/g	1.52E-05		9.34E-06		5.46E-07		6.86E-07	
DIL HTO	5.9E-09							
(Ci/g)								
168	4.75E+03	8.32E+03	4.92E+03	4.15E+03	1.22E+04	7.57E+02	1.31E+04	1.02E+04
SUM	1.31E+04		9.07E+03		1.30E+04		2.32E+04	
Ci/g	3.53E-07		2.45E-07		3.50E-07		6.27E-07	
DIL OBT	2.4E-09							
Ci/g								
8760	1.83E-01	6.73E-01	6.18E+02	4.85E+03	1.43E+00	1.54E+01	6.32E+00	2.08E+01
SUM	8.56E-01		5.47E+03		1.68E+01		2.71E+01	
Ci/g	2.31E-11		1.48E-07		4.55E-10		7.33E-10	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Beyond Design Basis Fire, Average Met Conditions								
Concentration Values for 100 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.11E+04	0.00E+00	0.00E+00	0.00E+00	9.34E+00	1.01E-03	1.13E+00	3.53E-01
2	1.90E+04	1.90E+01	1.19E+03	3.94E+00	1.09E+02	2.20E-02	1.27E+01	5.20E+00
3	3.06E+04	5.16E+01	3.35E+03	1.22E+01	2.91E+02	7.99E-02	3.96E+01	1.67E+01
4	3.08E+04	1.04E+02	6.77E+03	2.68E+01	5.75E+02	1.97E-01	8.66E+01	3.71E+01
5	4.71E+04	1.57E+02	1.01E+04	4.44E+01	8.94E+02	3.80E-01	1.52E+02	6.53E+01
6	4.39E+04	2.37E+02	1.49E+04	7.00E+01	9.12E+02	4.78E-01	8.84E+02	2.75E+02
7	5.97E+04	3.12E+02	1.90E+04	9.80E+01	9.44E+02	5.79E-01	8.99E+02	2.80E+02
8	6.21E+04	4.19E+02	2.46E+04	1.35E+02	9.75E+02	6.84E-01	9.15E+02	2.85E+02
9	1.46E+05	1.06E+03	6.70E+04	2.98E+02	1.26E+03	8.19E-01	9.92E+02	3.09E+02
10	2.16E+05	2.13E+03	1.41E+05	6.09E+02	1.69E+03	1.00E+00	1.12E+03	3.49E+02
11	9.51E+04	2.50E+03	1.67E+05	8.31E+02	1.70E+03	1.18E+00	1.21E+03	3.76E+02
12	5.70E+04	2.66E+03	1.67E+05	9.90E+02	1.70E+03	1.36E+00	1.27E+03	3.96E+02
13	4.39E+04	2.75E+03	1.53E+05	1.11E+03	1.71E+03	1.55E+00	1.32E+03	4.11E+02
14	3.87E+04	2.82E+03	1.34E+05	1.19E+03	1.71E+03	1.73E+00	1.36E+03	4.23E+02
15	3.62E+04	2.88E+03	1.15E+05	1.26E+03	1.71E+03	1.91E+00	1.39E+03	4.32E+02
16	3.46E+04	2.94E+03	9.70E+04	1.31E+03	1.71E+03	2.10E+00	1.41E+03	4.40E+02
17	3.35E+04	3.00E+03	8.14E+04	1.35E+03	1.71E+03	2.28E+00	1.43E+03	4.46E+02
18	3.26E+04	3.05E+03	6.83E+04	1.39E+03	2.08E+03	4.43E+00	2.01E+03	2.96E+03
19	3.18E+04	3.10E+03	5.77E+04	1.42E+03	2.42E+03	6.64E+00	2.18E+03	3.04E+03
20	3.11E+04	3.15E+03	4.92E+04	1.45E+03	2.75E+03	8.92E+00	2.34E+03	3.11E+03
21	3.04E+04	3.20E+03	4.24E+04	1.47E+03	3.07E+03	1.13E+01	2.50E+03	3.17E+03
22	2.98E+04	3.25E+03	3.71E+04	1.49E+03	3.38E+03	1.37E+01	2.66E+03	3.24E+03
23	2.92E+04	3.30E+03	3.30E+04	1.52E+03	3.67E+03	1.61E+01	2.81E+03	3.30E+03
24	2.87E+04	3.34E+03	2.98E+04	1.54E+03	3.96E+03	1.86E+01	2.95E+03	3.37E+03
25	2.81E+04	3.39E+03	2.72E+04	1.56E+03	4.24E+03	2.12E+01	3.10E+03	3.43E+03
26	2.76E+04	3.43E+03	2.52E+04	1.58E+03	4.51E+03	2.38E+01	3.24E+03	3.49E+03
27	2.70E+04	3.47E+03	2.36E+04	1.60E+03	4.77E+03	2.65E+01	3.38E+03	3.55E+03
28	2.65E+04	3.52E+03	2.24E+04	1.62E+03	5.03E+03	2.92E+01	3.52E+03	3.61E+03
29	2.60E+04	3.56E+03	2.13E+04	1.63E+03	5.27E+03	3.20E+01	3.65E+03	3.66E+03
30	2.54E+04	3.60E+03	2.04E+04	1.65E+03	5.24E+03	3.25E+01	5.08E+03	1.59E+03
31	2.49E+04	3.63E+03	1.97E+04	1.67E+03	5.21E+03	3.31E+01	5.06E+03	1.58E+03
32	2.43E+04	3.67E+03	1.90E+04	1.69E+03	5.17E+03	3.36E+01	5.05E+03	1.58E+03
33	2.38E+04	3.71E+03	1.84E+04	1.70E+03	5.14E+03	3.41E+01	5.03E+03	1.57E+03
34	2.32E+04	3.74E+03	1.79E+04	1.72E+03	5.11E+03	3.46E+01	5.01E+03	1.57E+03
35	2.26E+04	3.78E+03	1.74E+04	1.73E+03	5.07E+03	3.52E+01	5.00E+03	1.56E+03
36	2.21E+04	3.81E+03	1.69E+04	1.75E+03	5.04E+03	3.57E+01	4.98E+03	1.56E+03
37	2.16E+04	3.85E+03	1.64E+04	1.76E+03	5.01E+03	3.62E+01	4.97E+03	1.55E+03
38	2.10E+04	3.88E+03	1.60E+04	1.78E+03	4.97E+03	3.67E+01	4.95E+03	1.55E+03

39	2.05E+04	3.91E+03	1.55E+04	1.79E+03	4.94E+03	3.72E+01	4.93E+03	1.54E+03
40	2.00E+04	3.94E+03	1.51E+04	1.81E+03	4.90E+03	3.77E+01	4.92E+03	1.54E+03
41	1.95E+04	3.97E+03	1.47E+04	1.82E+03	4.87E+03	3.82E+01	4.90E+03	1.53E+03
42	1.90E+04	4.00E+03	1.43E+04	1.83E+03	5.04E+03	4.12E+01	4.89E+03	4.56E+03
43	1.86E+04	4.02E+03	1.39E+04	1.84E+03	5.21E+03	4.43E+01	4.97E+03	4.59E+03
44	1.81E+04	4.05E+03	1.35E+04	1.86E+03	5.36E+03	4.73E+01	5.04E+03	4.63E+03
45	1.77E+04	4.08E+03	1.31E+04	1.87E+03	5.52E+03	5.04E+01	5.12E+03	4.66E+03
46	1.73E+04	4.10E+03	1.27E+04	1.88E+03	5.66E+03	5.35E+01	5.19E+03	4.69E+03
47	1.69E+04	4.12E+03	1.24E+04	1.89E+03	5.80E+03	5.67E+01	5.26E+03	4.72E+03
48	1.65E+04	4.15E+03	1.20E+04	1.90E+03	5.94E+03	5.99E+01	5.33E+03	4.75E+03
49	1.61E+04	4.17E+03	1.17E+04	1.91E+03	6.07E+03	6.30E+01	5.40E+03	4.77E+03
50	1.58E+04	4.19E+03	1.14E+04	1.92E+03	6.19E+03	6.63E+01	5.47E+03	4.80E+03
51	1.55E+04	4.21E+03	1.11E+04	1.93E+03	6.31E+03	6.95E+01	5.53E+03	4.83E+03
52	1.51E+04	4.24E+03	1.08E+04	1.94E+03	6.42E+03	7.27E+01	5.60E+03	4.85E+03
53	1.49E+04	4.26E+03	1.05E+04	1.95E+03	6.53E+03	7.60E+01	5.66E+03	4.88E+03
54	1.46E+04	4.28E+03	1.02E+04	1.96E+03	6.64E+03	7.67E+01	6.28E+03	1.97E+03
55	1.43E+04	4.29E+03	9.93E+03	1.97E+03	6.43E+03	7.73E+01	6.26E+03	1.96E+03
56	1.41E+04	4.31E+03	9.68E+03	1.98E+03	6.39E+03	7.79E+01	6.24E+03	1.96E+03
57	1.38E+04	4.33E+03	9.45E+03	1.99E+03	6.34E+03	7.85E+01	6.21E+03	1.95E+03
58	1.36E+04	4.35E+03	9.22E+03	1.99E+03	6.29E+03	7.92E+01	6.19E+03	1.94E+03
59	1.34E+04	4.37E+03	9.01E+03	2.00E+03	6.24E+03	7.98E+01	6.17E+03	1.94E+03
60	1.32E+04	4.38E+03	8.80E+03	2.01E+03	6.19E+03	8.04E+01	6.14E+03	1.93E+03
61	1.30E+04	4.40E+03	8.61E+03	2.02E+03	6.14E+03	8.10E+01	6.12E+03	1.92E+03
62	1.28E+04	4.42E+03	8.42E+03	2.03E+03	6.10E+03	8.16E+01	6.10E+03	1.91E+03
63	1.26E+04	4.43E+03	8.25E+03	2.03E+03	6.05E+03	8.22E+01	6.07E+03	1.91E+03
64	1.24E+04	4.45E+03	8.08E+03	2.04E+03	6.00E+03	8.28E+01	6.05E+03	1.90E+03
65	1.22E+04	4.46E+03	7.92E+03	2.05E+03	5.96E+03	8.34E+01	6.03E+03	1.89E+03
66	1.21E+04	4.48E+03	7.76E+03	2.06E+03	6.04E+03	8.67E+01	5.85E+03	5.18E+03
67	1.19E+04	4.49E+03	7.62E+03	2.06E+03	6.12E+03	9.01E+01	5.89E+03	5.20E+03
68	1.18E+04	4.51E+03	7.49E+03	2.07E+03	6.20E+03	9.34E+01	5.93E+03	5.21E+03
69	1.17E+04	4.52E+03	7.36E+03	2.08E+03	6.27E+03	9.68E+01	5.97E+03	5.23E+03
168	2.76E+03	4.90E+03	2.99E+03	2.47E+03	5.85E+03	3.73E+02	6.06E+03	5.48E+03
336	1.33E+03	4.16E+03	1.45E+03	2.69E+03	3.08E+03	8.05E+02	4.22E+03	4.52E+03
504	9.69E+02	3.48E+03	9.90E+02	2.82E+03	1.71E+03	1.06E+03	2.24E+03	3.26E+03
720	7.03E+02	2.75E+03	6.61E+02	2.93E+03	9.23E+02	1.22E+03	1.23E+03	2.33E+03
2160	1.31E+02	5.48E+02	7.40E+01	3.15E+03	8.07E+01	7.54E+02	2.90E+02	8.04E+02
4320	1.26E+01	4.96E+01	3.73E+02	2.97E+03	1.34E+01	1.82E+02	3.42E+01	1.23E+02
4800	7.49E+00	2.92E+01	3.72E+02	2.96E+03	9.73E+00	1.31E+02	1.14E+01	4.02E+01
8760	1.03E-01	3.81E-01	3.62E+02	2.89E+03	8.07E-01	8.81E+00	3.58E+00	1.19E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

10/11/53/5 4	2.16E+05	2.13E+03	1.67E+05	8.31E+02	6.53E+03	7.60E+01	6.28E+03	1.97E+03
SUM	2.19E+05		1.68E+05		6.61E+03		8.26E+03	
Ci/g	5.91E-06		4.54E-06		1.79E-07		2.23E-07	
DIL HTO (Ci/g)	5.9E-09							
168	2.76E+03	4.90E+03	2.99E+03	2.47E+03	5.85E+03	3.73E+02	6.06E+03	5.48E+03
SUM	7.67E+03		5.46E+03		6.22E+03		1.15E+04	
Ci/g	2.07E-07		1.48E-07		1.68E-07		3.12E-07	
DIL OBT Ci/g	2.4E-09							
8760	1.03E-01	3.81E-01	3.62E+02	2.89E+03	8.07E-01	8.81E+00	3.58E+00	1.19E+01
SUM	4.84E-01		3.25E+03		9.62E+00		1.54E+01	
Ci/g	1.31E-11		8.78E-08		2.60E-10		4.18E-10	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 150 m from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	6.64E+05	3.20E+03	1.20E+05	3.97E+02	1.24E+04	2.48E+00	1.50E+03	6.40E+02
2	2.62E+05	4.43E+03	1.80E+05	7.12E+02	1.85E+04	6.29E+00	3.33E+03	1.44E+03
3	1.08E+05	4.91E+03	2.04E+05	9.62E+02	2.22E+04	1.09E+01	5.14E+03	2.23E+03
4	4.83E+04	5.11E+03	2.04E+05	1.16E+03	2.42E+04	1.59E+01	6.81E+03	2.96E+03
5	2.53E+04	5.19E+03	1.93E+05	1.32E+03	2.54E+04	2.13E+01	8.30E+03	3.62E+03
6	1.64E+04	5.23E+03	1.75E+05	1.45E+03	2.52E+04	2.40E+01	2.45E+04	7.62E+03
7	1.29E+04	5.25E+03	1.55E+05	1.55E+03	2.50E+04	2.66E+01	2.43E+04	7.58E+03
8	1.15E+04	5.27E+03	1.34E+05	1.63E+03	2.48E+04	2.93E+01	2.42E+04	7.55E+03
9	1.08E+04	5.29E+03	1.15E+05	1.70E+03	2.46E+04	3.19E+01	2.41E+04	7.52E+03
10	1.05E+04	5.30E+03	9.69E+04	1.75E+03	2.44E+04	3.45E+01	2.40E+04	7.49E+03
11	1.03E+04	5.31E+03	8.14E+04	1.79E+03	2.42E+04	3.71E+01	2.39E+04	7.46E+03
12	1.01E+04	5.32E+03	6.80E+04	1.83E+03	2.40E+04	3.97E+01	2.38E+04	7.43E+03
13	9.91E+03	5.34E+03	5.66E+04	1.85E+03	2.38E+04	4.22E+01	2.37E+04	7.40E+03
14	9.76E+03	5.35E+03	4.70E+04	1.88E+03	2.36E+04	4.47E+01	2.36E+04	7.37E+03
15	9.62E+03	5.36E+03	3.89E+04	1.90E+03	2.34E+04	4.72E+01	2.36E+04	7.34E+03
16	9.48E+03	5.37E+03	3.23E+04	1.91E+03	2.32E+04	4.96E+01	2.35E+04	7.31E+03
17	9.34E+03	5.38E+03	2.68E+04	1.92E+03	2.30E+04	5.21E+01	2.34E+04	7.28E+03
18	9.20E+03	5.39E+03	2.23E+04	1.94E+03	2.29E+04	5.74E+01	2.22E+04	1.04E+04
19	9.07E+03	5.40E+03	1.86E+04	1.94E+03	2.28E+04	6.27E+01	2.22E+04	1.04E+04
20	8.94E+03	5.41E+03	1.57E+04	1.95E+03	2.27E+04	6.80E+01	2.21E+04	1.04E+04
21	8.82E+03	5.42E+03	1.32E+04	1.96E+03	2.26E+04	7.33E+01	2.21E+04	1.04E+04
22	8.70E+03	5.43E+03	1.12E+04	1.97E+03	2.25E+04	7.86E+01	2.20E+04	1.04E+04
23	8.58E+03	5.44E+03	9.65E+03	1.97E+03	2.24E+04	8.38E+01	2.20E+04	1.04E+04
24	8.47E+03	5.44E+03	8.36E+03	1.98E+03	2.23E+04	8.91E+01	2.19E+04	1.04E+04
25	8.36E+03	5.45E+03	7.31E+03	1.98E+03	2.23E+04	9.43E+01	2.19E+04	1.04E+04
26	8.25E+03	5.46E+03	6.47E+03	1.99E+03	2.22E+04	9.95E+01	2.18E+04	1.03E+04
27	8.14E+03	5.47E+03	5.78E+03	1.99E+03	2.21E+04	1.05E+02	2.18E+04	1.03E+04
28	8.04E+03	5.48E+03	5.23E+03	1.99E+03	2.20E+04	1.10E+02	2.18E+04	1.03E+04
29	7.94E+03	5.48E+03	4.78E+03	2.00E+03	2.19E+04	1.15E+02	2.17E+04	1.03E+04
30	7.85E+03	5.49E+03	4.42E+03	2.00E+03	2.17E+04	1.17E+02	2.10E+04	6.56E+03
31	7.75E+03	5.50E+03	4.12E+03	2.00E+03	2.15E+04	1.20E+02	2.09E+04	6.54E+03
32	7.66E+03	5.51E+03	3.87E+03	2.01E+03	2.13E+04	1.22E+02	2.08E+04	6.51E+03
33	7.57E+03	5.51E+03	3.67E+03	2.01E+03	2.11E+04	1.24E+02	2.07E+04	6.48E+03
34	7.49E+03	5.52E+03	3.51E+03	2.01E+03	2.10E+04	1.26E+02	2.07E+04	6.45E+03
35	7.40E+03	5.53E+03	3.37E+03	2.02E+03	2.08E+04	1.28E+02	2.06E+04	6.43E+03
36	7.32E+03	5.53E+03	3.25E+03	2.02E+03	2.06E+04	1.30E+02	2.05E+04	6.40E+03
37	7.24E+03	5.54E+03	3.15E+03	2.02E+03	2.04E+04	1.33E+02	2.04E+04	6.38E+03
38	7.17E+03	5.55E+03	3.07E+03	2.02E+03	2.03E+04	1.35E+02	2.03E+04	6.35E+03

39	7.09E+03	5.55E+03	3.00E+03	2.03E+03	2.01E+04	1.37E+02	2.02E+04	6.32E+03
40	7.02E+03	5.56E+03	2.94E+03	2.03E+03	1.99E+04	1.39E+02	2.02E+04	6.30E+03
41	6.95E+03	5.56E+03	2.88E+03	2.03E+03	1.98E+04	1.41E+02	2.01E+04	6.27E+03
42	6.88E+03	5.57E+03	2.83E+03	2.03E+03	1.97E+04	1.46E+02	1.91E+04	9.53E+03
43	6.81E+03	5.57E+03	2.79E+03	2.04E+03	1.96E+04	1.51E+02	1.90E+04	9.52E+03
44	6.75E+03	5.58E+03	2.75E+03	2.04E+03	1.95E+04	1.56E+02	1.90E+04	9.50E+03
45	6.69E+03	5.58E+03	2.71E+03	2.04E+03	1.94E+04	1.61E+02	1.89E+04	9.49E+03
46	6.63E+03	5.59E+03	2.68E+03	2.05E+03	1.93E+04	1.65E+02	1.89E+04	9.47E+03
47	6.57E+03	5.59E+03	2.65E+03	2.05E+03	1.92E+04	1.70E+02	1.88E+04	9.46E+03
48	6.51E+03	5.60E+03	2.62E+03	2.05E+03	1.91E+04	1.75E+02	1.88E+04	9.44E+03
49	6.46E+03	5.60E+03	2.59E+03	2.05E+03	1.90E+04	1.80E+02	1.87E+04	9.43E+03
50	6.40E+03	5.61E+03	2.57E+03	2.05E+03	1.89E+04	1.85E+02	1.87E+04	9.41E+03
51	6.35E+03	5.61E+03	2.54E+03	2.06E+03	1.88E+04	1.90E+02	1.87E+04	9.40E+03
52	6.30E+03	5.62E+03	2.52E+03	2.06E+03	1.87E+04	1.94E+02	1.86E+04	9.38E+03
53	6.25E+03	5.62E+03	2.50E+03	2.06E+03	1.86E+04	1.99E+02	1.86E+04	9.37E+03
54	6.21E+03	5.62E+03	2.48E+03	2.06E+03	1.85E+04	2.01E+02	1.79E+04	5.62E+03
55	6.16E+03	5.63E+03	2.46E+03	2.07E+03	1.83E+04	2.03E+02	1.78E+04	5.59E+03
56	6.12E+03	5.63E+03	2.44E+03	2.07E+03	1.82E+04	2.05E+02	1.78E+04	5.57E+03
57	6.07E+03	5.64E+03	2.42E+03	2.07E+03	1.80E+04	2.07E+02	1.77E+04	5.55E+03
58	6.03E+03	5.64E+03	2.40E+03	2.07E+03	1.79E+04	2.08E+02	1.76E+04	5.53E+03
59	5.99E+03	5.64E+03	2.38E+03	2.08E+03	1.77E+04	2.10E+02	1.75E+04	5.50E+03
60	5.95E+03	5.65E+03	2.36E+03	2.08E+03	1.76E+04	2.12E+02	1.75E+04	5.48E+03
61	5.91E+03	5.65E+03	2.34E+03	2.08E+03	1.74E+04	2.14E+02	1.74E+04	5.46E+03
62	5.88E+03	5.65E+03	2.33E+03	2.08E+03	1.73E+04	2.15E+02	1.73E+04	5.44E+03
63	5.84E+03	5.66E+03	2.31E+03	2.08E+03	1.71E+04	2.17E+02	1.73E+04	5.41E+03
64	5.81E+03	5.66E+03	2.29E+03	2.09E+03	1.70E+04	2.19E+02	1.72E+04	5.39E+03
65	5.78E+03	5.66E+03	2.28E+03	2.09E+03	1.69E+04	2.20E+02	1.71E+04	5.37E+03
66	5.74E+03	5.67E+03	2.26E+03	2.09E+03	1.68E+04	2.25E+02	1.63E+04	8.67E+03
67	5.71E+03	5.67E+03	2.25E+03	2.09E+03	1.67E+04	2.29E+02	1.62E+04	8.65E+03
68	5.68E+03	5.67E+03	2.23E+03	2.10E+03	1.66E+04	2.34E+02	1.62E+04	8.64E+03
69	5.66E+03	5.68E+03	2.22E+03	2.10E+03	1.65E+04	2.38E+02	1.61E+04	8.63E+03
168	2.38E+03	5.68E+03	1.82E+03	2.26E+03	8.95E+03	5.17E+02	9.37E+03	6.37E+03
336	1.13E+03	4.75E+03	9.23E+02	2.40E+03	3.46E+03	9.33E+02	5.56E+03	4.79E+03
504	8.30E+02	3.92E+03	6.32E+02	2.48E+03	1.61E+03	1.15E+03	2.31E+03	3.13E+03
720	6.05E+02	3.06E+03	4.24E+02	2.55E+03	7.95E+02	1.27E+03	1.10E+03	2.16E+03
2160	1.14E+02	5.74E+02	4.77E+01	2.69E+03	7.06E+01	7.38E+02	2.49E+02	7.40E+02
4320	1.09E+01	4.85E+01	2.40E+02	2.56E+03	1.14E+01	1.75E+02	2.96E+01	1.15E+02
4800	6.50E+00	2.82E+01	2.39E+02	2.56E+03	8.25E+00	1.26E+02	9.72E+00	3.74E+01
8760	8.92E-02	3.45E-01	2.33E+02	2.49E+03	6.60E-01	8.26E+00	3.00E+00	1.09E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/6/6	6.64E+05	3.20E+03	2.04E+05	1.16E+03	2.52E+04	2.40E+01	2.45E+04	7.62E+03
SUM	6.67E+05		2.06E+05		2.52E+04		3.21E+04	
Ci/g	1.80E-05		5.56E-06		6.82E-07		8.67E-07	
DIL HTO	5.9E-09							
(Ci/g)								
168	2.38E+03	5.68E+03	1.82E+03	2.26E+03	8.95E+03	5.17E+02	9.37E+03	6.37E+03
SUM	8.06E+03		4.08E+03		9.46E+03		1.57E+04	
Ci/g	2.18E-07		1.10E-07		2.56E-07		4.25E-07	
DIL OBT	2.4E-09							
Ci/g								
8760	8.92E-02	3.45E-01	2.33E+02	2.49E+03	6.60E-01	8.26E+00	3.00E+00	1.09E+01
SUM	4.34E-01		2.72E+03		8.92E+00		1.39E+01	
Ci/g	1.17E-11		7.36E-08		2.41E-10		3.76E-10	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 1 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	2.08E+07	9.62E+04	3.61E+06	1.19E+04	3.72E+05	7.44E+01	4.51E+04	1.93E+04
2	8.70E+06	1.35E+05	5.47E+06	2.16E+04	5.64E+05	1.90E+02	1.01E+05	4.35E+04
3	3.86E+06	1.51E+05	6.23E+06	2.94E+04	6.78E+05	3.31E+02	1.56E+05	6.78E+04
4	1.91E+06	1.58E+05	6.31E+06	3.56E+04	7.47E+05	4.87E+02	2.08E+05	9.05E+04
5	1.10E+06	1.61E+05	5.99E+06	4.07E+04	7.87E+05	6.52E+02	2.54E+05	1.11E+05
6	7.61E+05	1.63E+05	5.47E+06	4.47E+04	7.81E+05	7.35E+02	7.57E+05	2.36E+05
7	6.09E+05	1.64E+05	4.86E+06	4.80E+04	7.74E+05	8.18E+02	7.54E+05	2.35E+05
8	5.35E+05	1.65E+05	4.24E+06	5.06E+04	7.68E+05	9.00E+02	7.51E+05	2.34E+05
9	4.93E+05	1.66E+05	3.65E+06	5.28E+04	7.62E+05	9.81E+02	7.48E+05	2.33E+05
10	4.67E+05	1.66E+05	3.11E+06	5.45E+04	7.55E+05	1.06E+03	7.44E+05	2.32E+05
11	4.49E+05	1.67E+05	2.63E+06	5.59E+04	7.49E+05	1.14E+03	7.41E+05	2.31E+05
12	4.35E+05	1.68E+05	2.22E+06	5.71E+04	7.43E+05	1.22E+03	7.38E+05	2.30E+05
13	4.24E+05	1.68E+05	1.86E+06	5.81E+04	7.37E+05	1.30E+03	7.35E+05	2.29E+05
14	4.13E+05	1.69E+05	1.56E+06	5.89E+04	7.31E+05	1.38E+03	7.32E+05	2.28E+05
15	4.03E+05	1.69E+05	1.31E+06	5.95E+04	7.25E+05	1.45E+03	7.29E+05	2.27E+05
16	3.94E+05	1.70E+05	1.10E+06	6.01E+04	7.19E+05	1.53E+03	7.26E+05	2.26E+05
17	3.86E+05	1.70E+05	9.21E+05	6.06E+04	7.13E+05	1.61E+03	7.23E+05	2.25E+05
18	3.78E+05	1.71E+05	7.78E+05	6.10E+04	7.11E+05	1.77E+03	6.89E+05	3.26E+05
19	3.70E+05	1.71E+05	6.60E+05	6.14E+04	7.09E+05	1.94E+03	6.88E+05	3.26E+05
20	3.63E+05	1.72E+05	5.64E+05	6.17E+04	7.07E+05	2.11E+03	6.87E+05	3.26E+05
21	3.56E+05	1.72E+05	4.85E+05	6.20E+04	7.05E+05	2.27E+03	6.86E+05	3.26E+05
22	3.49E+05	1.73E+05	4.20E+05	6.22E+04	7.03E+05	2.44E+03	6.85E+05	3.26E+05
23	3.43E+05	1.73E+05	3.68E+05	6.25E+04	7.01E+05	2.61E+03	6.84E+05	3.25E+05
24	3.34E+05	1.74E+05	3.25E+05	6.27E+04	6.99E+05	2.77E+03	6.83E+05	3.25E+05
25	3.27E+05	1.74E+05	2.89E+05	6.29E+04	6.97E+05	2.94E+03	6.82E+05	3.25E+05
26	3.21E+05	1.74E+05	2.61E+05	6.31E+04	6.94E+05	3.10E+03	6.81E+05	3.25E+05
27	3.16E+05	1.75E+05	2.37E+05	6.32E+04	6.92E+05	3.27E+03	6.80E+05	3.24E+05
28	3.10E+05	1.75E+05	2.17E+05	6.34E+04	6.90E+05	3.43E+03	6.79E+05	3.24E+05
29	3.06E+05	1.75E+05	2.01E+05	6.35E+04	6.87E+05	3.60E+03	6.78E+05	3.24E+05
30	3.01E+05	1.76E+05	1.87E+05	6.37E+04	6.81E+05	3.67E+03	6.60E+05	2.06E+05
31	2.96E+05	1.76E+05	1.76E+05	6.38E+04	6.76E+05	3.74E+03	6.58E+05	2.06E+05
32	2.92E+05	1.76E+05	1.67E+05	6.40E+04	6.70E+05	3.81E+03	6.55E+05	2.05E+05
33	2.87E+05	1.77E+05	1.59E+05	6.41E+04	6.65E+05	3.88E+03	6.52E+05	2.04E+05
34	2.83E+05	1.77E+05	1.52E+05	6.42E+04	6.59E+05	3.94E+03	6.50E+05	2.03E+05
35	2.79E+05	1.77E+05	1.46E+05	6.44E+04	6.54E+05	4.01E+03	6.47E+05	2.02E+05
36	2.75E+05	1.78E+05	1.41E+05	6.45E+04	6.48E+05	4.08E+03	6.44E+05	2.01E+05
37	2.67E+05	1.78E+05	1.37E+05	6.46E+04	6.43E+05	4.14E+03	6.42E+05	2.01E+05
38	2.61E+05	1.78E+05	1.33E+05	6.47E+04	6.37E+05	4.21E+03	6.39E+05	2.00E+05

39	2.57E+05	1.78E+05	1.29E+05	6.49E+04	6.32E+05	4.28E+03	6.36E+05	1.99E+05
40	2.53E+05	1.79E+05	1.26E+05	6.50E+04	6.27E+05	4.34E+03	6.34E+05	1.98E+05
41	2.50E+05	1.79E+05	1.22E+05	6.51E+04	6.22E+05	4.40E+03	6.31E+05	1.97E+05
42	2.47E+05	1.79E+05	1.19E+05	6.52E+04	6.19E+05	4.56E+03	6.00E+05	3.03E+05
43	2.43E+05	1.79E+05	1.17E+05	6.53E+04	6.16E+05	4.72E+03	5.99E+05	3.02E+05
44	2.40E+05	1.79E+05	1.14E+05	6.54E+04	6.14E+05	4.88E+03	5.97E+05	3.02E+05
45	2.38E+05	1.80E+05	1.12E+05	6.55E+04	6.11E+05	5.03E+03	5.96E+05	3.01E+05
46	2.35E+05	1.80E+05	1.10E+05	6.56E+04	6.08E+05	5.19E+03	5.95E+05	3.01E+05
47	2.32E+05	1.80E+05	1.08E+05	6.57E+04	6.06E+05	5.35E+03	5.94E+05	3.01E+05
48	2.29E+05	1.80E+05	1.06E+05	6.58E+04	6.03E+05	5.50E+03	5.92E+05	3.00E+05
49	2.27E+05	1.80E+05	1.04E+05	6.59E+04	6.00E+05	5.66E+03	5.91E+05	3.00E+05
50	2.25E+05	1.81E+05	1.03E+05	6.60E+04	5.98E+05	5.81E+03	5.90E+05	2.99E+05
51	2.22E+05	1.81E+05	1.01E+05	6.61E+04	5.95E+05	5.97E+03	5.88E+05	2.99E+05
52	2.20E+05	1.81E+05	9.96E+04	6.62E+04	5.92E+05	6.12E+03	5.87E+05	2.99E+05
53	2.18E+05	1.81E+05	9.83E+04	6.63E+04	5.90E+05	6.27E+03	5.86E+05	2.98E+05
54	2.16E+05	1.81E+05	9.70E+04	6.64E+04	5.85E+05	6.33E+03	5.67E+05	1.78E+05
55	2.14E+05	1.81E+05	9.57E+04	6.65E+04	5.80E+05	6.39E+03	5.65E+05	1.77E+05
56	2.12E+05	1.82E+05	9.45E+04	6.65E+04	5.75E+05	6.45E+03	5.62E+05	1.76E+05
57	2.10E+05	1.82E+05	9.33E+04	6.66E+04	5.70E+05	6.50E+03	5.60E+05	1.76E+05
58	2.08E+05	1.82E+05	9.22E+04	6.67E+04	5.66E+05	6.56E+03	5.58E+05	1.75E+05
59	2.07E+05	1.82E+05	9.11E+04	6.68E+04	5.61E+05	6.62E+03	5.55E+05	1.74E+05
60	2.05E+05	1.82E+05	9.00E+04	6.69E+04	5.56E+05	6.67E+03	5.53E+05	1.73E+05
61	2.03E+05	1.82E+05	8.90E+04	6.70E+04	5.52E+05	6.73E+03	5.51E+05	1.73E+05
62	2.02E+05	1.83E+05	8.79E+04	6.70E+04	5.47E+05	6.78E+03	5.48E+05	1.72E+05
63	2.00E+05	1.83E+05	8.70E+04	6.71E+04	5.42E+05	6.83E+03	5.46E+05	1.71E+05
64	1.99E+05	1.83E+05	8.60E+04	6.72E+04	5.38E+05	6.89E+03	5.44E+05	1.71E+05
65	1.97E+05	1.83E+05	8.51E+04	6.73E+04	5.33E+05	6.94E+03	5.42E+05	1.70E+05
66	1.91E+05	1.83E+05	8.42E+04	6.74E+04	5.31E+05	7.09E+03	5.15E+05	2.77E+05
67	1.87E+05	1.83E+05	8.28E+04	6.74E+04	5.29E+05	7.23E+03	5.13E+05	2.77E+05
68	1.86E+05	1.83E+05	8.13E+04	6.75E+04	5.26E+05	7.38E+03	5.12E+05	2.76E+05
69	1.84E+05	1.83E+05	7.97E+04	6.76E+04	5.24E+05	7.53E+03	5.11E+05	2.76E+05
168	7.72E+04	1.84E+05	5.93E+04	7.30E+04	2.85E+05	1.65E+04	2.98E+05	2.05E+05
336	3.65E+04	1.53E+05	3.00E+04	7.74E+04	1.11E+05	3.00E+04	1.78E+05	1.54E+05
504	2.68E+04	1.27E+05	2.05E+04	8.01E+04	5.20E+04	3.71E+04	7.43E+04	1.01E+05
720	1.95E+04	9.89E+04	1.37E+04	8.24E+04	2.57E+04	4.09E+04	3.56E+04	6.98E+04
2160	3.66E+03	1.85E+04	1.54E+03	8.67E+04	2.28E+03	2.38E+04	8.06E+03	2.40E+04
4320	3.52E+02	1.57E+03	7.77E+03	8.28E+04	3.68E+02	5.66E+03	9.56E+02	3.72E+03
4800	2.09E+02	9.10E+02	7.74E+03	8.25E+04	2.66E+02	4.07E+03	3.13E+02	1.21E+03
8760	2.88E+00	1.11E+01	7.55E+03	8.04E+04	2.12E+01	2.67E+02	9.66E+01	3.53E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/6/6	2.08E+07	9.62E+04	6.31E+06	3.56E+04	7.81E+05	7.35E+02	7.57E+05	2.36E+05
SUM	2.09E+07		6.34E+06		7.82E+05		9.93E+05	
Ci/g	5.65E-04		1.71E-04		2.11E-05		2.68E-05	
DIL HTO (Ci/g)	5.9E-09							
168	7.72E+04	1.84E+05	5.93E+04	7.30E+04	2.85E+05	1.65E+04	2.98E+05	2.05E+05
SUM	2.61E+05		1.32E+05		3.01E+05		5.03E+05	
Ci/g	7.05E-06		3.57E-06		8.14E-06		1.36E-05	
DIL OBT Ci/g	2.4E-09							
8760	2.88E+00	1.11E+01	7.55E+03	8.04E+04	2.12E+01	2.67E+02	9.66E+01	3.53E+02
SUM	1.40E+01		8.80E+04		2.88E+02		4.49E+02	
Ci/g	3.78E-10		2.38E-06		7.78E-09		1.21E-08	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 10 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.79E+06	6.83E+03	2.56E+05	8.46E+02	2.67E+04	5.32E+00	3.24E+03	1.38E+03
2	1.06E+06	1.08E+04	4.33E+05	1.68E+03	4.48E+04	1.45E+01	7.71E+03	3.31E+03
3	5.76E+05	1.27E+04	5.21E+05	2.39E+03	5.66E+04	2.62E+01	1.24E+04	5.37E+03
4	3.48E+05	1.38E+04	5.50E+05	2.99E+03	6.44E+04	3.96E+01	1.70E+04	7.37E+03
5	2.36E+05	1.44E+04	5.41E+05	3.49E+03	6.96E+04	5.41E+01	2.12E+04	9.22E+03
6	1.79E+05	1.48E+04	5.10E+05	3.91E+03	6.91E+04	6.15E+01	6.70E+04	2.09E+04
7	1.47E+05	1.51E+04	4.66E+05	4.25E+03	6.86E+04	6.89E+01	6.67E+04	2.08E+04
8	1.28E+05	1.54E+04	4.18E+05	4.55E+03	6.80E+04	7.61E+01	6.64E+04	2.07E+04
9	1.16E+05	1.56E+04	3.70E+05	4.79E+03	6.75E+04	8.33E+01	6.62E+04	2.06E+04
10	1.08E+05	1.58E+04	3.25E+05	5.00E+03	6.70E+04	9.05E+01	6.59E+04	2.05E+04
11	1.02E+05	1.60E+04	2.83E+05	5.18E+03	6.65E+04	9.76E+01	6.57E+04	2.05E+04
12	9.66E+04	1.62E+04	2.46E+05	5.33E+03	6.60E+04	1.05E+02	6.54E+04	2.04E+04
13	9.26E+04	1.63E+04	2.14E+05	5.46E+03	6.54E+04	1.12E+02	6.52E+04	2.03E+04
14	8.92E+04	1.65E+04	1.86E+05	5.57E+03	6.49E+04	1.19E+02	6.49E+04	2.02E+04
15	8.61E+04	1.66E+04	1.62E+05	5.67E+03	6.44E+04	1.25E+02	6.47E+04	2.02E+04
16	8.33E+04	1.67E+04	1.41E+05	5.76E+03	6.39E+04	1.32E+02	6.44E+04	2.01E+04
17	8.07E+04	1.69E+04	1.24E+05	5.84E+03	6.34E+04	1.39E+02	6.42E+04	2.00E+04
18	7.84E+04	1.70E+04	1.10E+05	5.91E+03	6.38E+04	1.55E+02	6.18E+04	3.03E+04
19	7.62E+04	1.71E+04	9.74E+04	5.98E+03	6.41E+04	1.71E+02	6.19E+04	3.04E+04
20	7.41E+04	1.72E+04	8.72E+04	6.04E+03	6.43E+04	1.87E+02	6.21E+04	3.05E+04
21	7.21E+04	1.74E+04	7.87E+04	6.09E+03	6.46E+04	2.03E+02	6.22E+04	3.06E+04
22	7.03E+04	1.75E+04	7.15E+04	6.15E+03	6.49E+04	2.19E+02	6.23E+04	3.06E+04
23	6.86E+04	1.76E+04	6.55E+04	6.20E+03	6.51E+04	2.35E+02	6.25E+04	3.07E+04
24	6.68E+04	1.77E+04	6.05E+04	6.24E+03	6.53E+04	2.52E+02	6.26E+04	3.08E+04
25	6.52E+04	1.78E+04	5.62E+04	6.29E+03	6.55E+04	2.68E+02	6.27E+04	3.08E+04
26	6.37E+04	1.79E+04	5.25E+04	6.33E+03	6.56E+04	2.84E+02	6.28E+04	3.09E+04
27	6.22E+04	1.80E+04	4.94E+04	6.37E+03	6.58E+04	3.01E+02	6.29E+04	3.10E+04
28	6.09E+04	1.81E+04	4.68E+04	6.41E+03	6.59E+04	3.17E+02	6.30E+04	3.10E+04
29	5.97E+04	1.82E+04	4.45E+04	6.45E+03	6.61E+04	3.34E+02	6.31E+04	3.11E+04
30	5.85E+04	1.82E+04	4.25E+04	6.48E+03	6.55E+04	3.40E+02	6.35E+04	1.98E+04
31	5.73E+04	1.83E+04	4.08E+04	6.52E+03	6.50E+04	3.47E+02	6.33E+04	1.98E+04
32	5.62E+04	1.84E+04	3.93E+04	6.55E+03	6.45E+04	3.54E+02	6.30E+04	1.97E+04
33	5.52E+04	1.85E+04	3.79E+04	6.59E+03	6.40E+04	3.61E+02	6.28E+04	1.96E+04
34	5.41E+04	1.86E+04	3.68E+04	6.62E+03	6.34E+04	3.67E+02	6.25E+04	1.95E+04
35	5.31E+04	1.86E+04	3.57E+04	6.65E+03	6.29E+04	3.74E+02	6.23E+04	1.95E+04
36	5.21E+04	1.87E+04	3.48E+04	6.68E+03	6.24E+04	3.80E+02	6.20E+04	1.94E+04
37	5.11E+04	1.88E+04	3.39E+04	6.71E+03	6.19E+04	3.86E+02	6.18E+04	1.93E+04
38	5.01E+04	1.89E+04	3.31E+04	6.74E+03	6.14E+04	3.93E+02	6.15E+04	1.92E+04

39	4.91E+04	1.89E+04	3.24E+04	6.77E+03	6.09E+04	3.99E+02	6.13E+04	1.91E+04
40	4.82E+04	1.90E+04	3.17E+04	6.80E+03	6.04E+04	4.05E+02	6.10E+04	1.91E+04
41	4.73E+04	1.91E+04	3.11E+04	6.83E+03	5.99E+04	4.11E+02	6.08E+04	1.90E+04
42	4.65E+04	1.91E+04	3.05E+04	6.86E+03	5.99E+04	4.28E+02	5.81E+04	3.06E+04
43	4.56E+04	1.92E+04	2.99E+04	6.88E+03	6.00E+04	4.44E+02	5.81E+04	3.06E+04
44	4.48E+04	1.92E+04	2.94E+04	6.91E+03	6.00E+04	4.61E+02	5.81E+04	3.06E+04
45	4.41E+04	1.93E+04	2.89E+04	6.94E+03	6.00E+04	4.77E+02	5.81E+04	3.06E+04
46	4.33E+04	1.94E+04	2.84E+04	6.97E+03	5.99E+04	4.94E+02	5.81E+04	3.06E+04
47	4.26E+04	1.94E+04	2.80E+04	6.99E+03	5.99E+04	5.10E+02	5.81E+04	3.07E+04
48	4.19E+04	1.95E+04	2.76E+04	7.02E+03	5.99E+04	5.26E+02	5.81E+04	3.07E+04
49	4.12E+04	1.95E+04	2.72E+04	7.04E+03	5.98E+04	5.43E+02	5.81E+04	3.07E+04
50	4.06E+04	1.96E+04	2.68E+04	7.07E+03	5.98E+04	5.59E+02	5.81E+04	3.07E+04
51	4.00E+04	1.96E+04	2.64E+04	7.09E+03	5.97E+04	5.76E+02	5.81E+04	3.07E+04
52	3.94E+04	1.97E+04	2.60E+04	7.12E+03	5.97E+04	5.92E+02	5.80E+04	3.07E+04
53	3.89E+04	1.97E+04	2.56E+04	7.14E+03	5.96E+04	6.08E+02	5.80E+04	3.07E+04
54	3.83E+04	1.98E+04	2.52E+04	7.16E+03	5.91E+04	6.14E+02	5.73E+04	1.80E+04
55	3.78E+04	1.98E+04	2.48E+04	7.19E+03	5.86E+04	6.20E+02	5.71E+04	1.79E+04
56	3.73E+04	1.98E+04	2.44E+04	7.21E+03	5.82E+04	6.26E+02	5.68E+04	1.78E+04
57	3.68E+04	1.99E+04	2.41E+04	7.23E+03	5.77E+04	6.32E+02	5.66E+04	1.77E+04
58	3.63E+04	1.99E+04	2.37E+04	7.25E+03	5.72E+04	6.37E+02	5.64E+04	1.77E+04
59	3.59E+04	2.00E+04	2.33E+04	7.27E+03	5.67E+04	6.43E+02	5.61E+04	1.76E+04
60	3.54E+04	2.00E+04	2.29E+04	7.30E+03	5.63E+04	6.49E+02	5.59E+04	1.75E+04
61	3.50E+04	2.00E+04	2.25E+04	7.32E+03	5.58E+04	6.54E+02	5.57E+04	1.75E+04
62	3.45E+04	2.01E+04	2.22E+04	7.34E+03	5.53E+04	6.60E+02	5.55E+04	1.74E+04
63	3.41E+04	2.01E+04	2.18E+04	7.36E+03	5.49E+04	6.65E+02	5.52E+04	1.73E+04
64	3.37E+04	2.02E+04	2.14E+04	7.38E+03	5.44E+04	6.71E+02	5.50E+04	1.73E+04
65	3.33E+04	2.02E+04	2.11E+04	7.40E+03	5.40E+04	6.76E+02	5.48E+04	1.72E+04
66	3.28E+04	2.02E+04	2.07E+04	7.42E+03	5.39E+04	6.92E+02	5.22E+04	2.94E+04
67	3.23E+04	2.03E+04	2.04E+04	7.44E+03	5.38E+04	7.08E+02	5.22E+04	2.94E+04
68	3.19E+04	2.03E+04	2.01E+04	7.45E+03	5.37E+04	7.24E+02	5.21E+04	2.94E+04
69	3.15E+04	2.03E+04	1.97E+04	7.47E+03	5.36E+04	7.40E+02	5.21E+04	2.94E+04
168	9.04E+03	2.13E+04	8.09E+03	8.57E+03	3.19E+04	1.76E+03	3.32E+04	2.36E+04
336	4.13E+03	1.78E+04	3.55E+03	9.11E+03	1.27E+04	3.37E+03	2.01E+04	1.80E+04
504	3.01E+03	1.47E+04	2.41E+03	9.42E+03	6.01E+03	4.24E+03	8.54E+03	1.19E+04
720	2.19E+03	1.14E+04	1.61E+03	9.69E+03	3.00E+03	4.71E+03	4.14E+03	8.24E+03
2160	4.09E+02	2.13E+03	1.80E+02	1.02E+04	2.64E+02	2.78E+03	9.42E+02	2.82E+03
4320	3.94E+01	1.78E+02	9.09E+02	9.73E+03	4.18E+01	6.59E+02	1.10E+02	4.33E+02
4800	2.34E+01	1.03E+02	9.06E+02	9.70E+03	3.02E+01	4.73E+02	3.56E+01	1.40E+02
8760	3.21E-01	1.25E+00	8.83E+02	9.46E+03	2.39E+00	3.09E+01	1.09E+01	4.07E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/5/6	1.79E+06	6.83E+03	5.50E+05	2.99E+03	6.96E+04	5.41E+01	6.70E+04	2.09E+04
SUM	1.79E+06		5.53E+05		6.96E+04		8.78E+04	
Ci/g	4.84E-05		1.50E-05		1.88E-06		2.37E-06	
DIL HTO	5.9E-09							
(Ci/g)								
168	9.04E+03	2.13E+04	8.09E+03	8.57E+03	3.19E+04	1.76E+03	3.32E+04	2.36E+04
SUM	3.03E+04		1.67E+04		3.37E+04		5.69E+04	
Ci/g	8.19E-07		4.50E-07		9.10E-07		1.54E-06	
DIL OBT	2.4E-09							
Ci/g								
8760	3.21E-01	1.25E+00	8.83E+02	9.46E+03	2.39E+00	3.09E+01	1.09E+01	4.07E+01
SUM	1.57E+00		1.03E+04		3.33E+01		5.17E+01	
Ci/g	4.25E-11		2.79E-07		8.99E-10		1.40E-09	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 11.54 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	4.20E+05	2.73E+02	1.02E+04	3.38E+01	1.43E+03	2.51E-01	1.73E+02	6.86E+01
2	1.84E+06	7.30E+03	2.74E+05	9.14E+02	2.87E+04	5.96E+00	3.24E+03	1.38E+03
3	9.60E+05	1.07E+04	4.30E+05	1.69E+03	4.49E+04	1.52E+01	7.27E+03	3.12E+03
4	5.56E+05	1.25E+04	5.08E+05	2.37E+03	5.59E+04	2.67E+01	1.15E+04	4.98E+03
5	3.61E+05	1.35E+04	5.33E+05	2.94E+03	6.33E+04	3.99E+01	1.57E+04	6.81E+03
6	2.63E+05	1.41E+04	5.24E+05	3.43E+03	6.29E+04	4.66E+01	6.09E+04	1.90E+04
7	2.10E+05	1.46E+04	4.95E+05	3.84E+03	6.24E+04	5.33E+01	6.07E+04	1.89E+04
8	1.80E+05	1.50E+04	4.56E+05	4.19E+03	6.20E+04	5.99E+01	6.05E+04	1.89E+04
9	1.60E+05	1.53E+04	4.12E+05	4.48E+03	6.15E+04	6.65E+01	6.03E+04	1.88E+04
10	1.47E+05	1.56E+04	3.68E+05	4.73E+03	6.11E+04	7.30E+01	6.01E+04	1.87E+04
11	1.38E+05	1.58E+04	3.26E+05	4.95E+03	6.07E+04	7.95E+01	5.99E+04	1.87E+04
12	1.31E+05	1.61E+04	2.88E+05	5.14E+03	6.02E+04	8.59E+01	5.96E+04	1.86E+04
13	1.25E+05	1.63E+04	2.53E+05	5.30E+03	5.98E+04	9.23E+01	5.94E+04	1.85E+04
14	1.20E+05	1.65E+04	2.23E+05	5.45E+03	5.93E+04	9.86E+01	5.92E+04	1.85E+04
15	1.16E+05	1.67E+04	1.97E+05	5.58E+03	5.89E+04	1.05E+02	5.90E+04	1.84E+04
16	1.12E+05	1.69E+04	1.74E+05	5.69E+03	5.84E+04	1.11E+02	5.88E+04	1.83E+04
17	1.08E+05	1.71E+04	1.55E+05	5.79E+03	5.80E+04	1.17E+02	5.86E+04	1.83E+04
18	1.05E+05	1.73E+04	1.38E+05	5.89E+03	5.87E+04	1.33E+02	5.68E+04	2.89E+04
19	1.02E+05	1.74E+04	1.24E+05	5.98E+03	5.93E+04	1.48E+02	5.72E+04	2.91E+04
20	9.91E+04	1.76E+04	1.13E+05	6.06E+03	5.99E+04	1.64E+02	5.75E+04	2.92E+04
21	9.64E+04	1.77E+04	1.03E+05	6.13E+03	6.05E+04	1.80E+02	5.77E+04	2.94E+04
22	9.39E+04	1.79E+04	9.41E+04	6.21E+03	6.10E+04	1.96E+02	5.80E+04	2.95E+04
23	9.15E+04	1.81E+04	8.70E+04	6.27E+03	6.15E+04	2.12E+02	5.83E+04	2.96E+04
24	8.91E+04	1.82E+04	8.09E+04	6.34E+03	6.20E+04	2.28E+02	5.85E+04	2.98E+04
25	8.69E+04	1.83E+04	7.57E+04	6.40E+03	6.25E+04	2.45E+02	5.88E+04	2.99E+04
26	8.48E+04	1.85E+04	7.12E+04	6.46E+03	6.29E+04	2.61E+02	5.90E+04	3.00E+04
27	8.29E+04	1.86E+04	6.74E+04	6.51E+03	6.33E+04	2.78E+02	5.93E+04	3.01E+04
28	8.10E+04	1.87E+04	6.41E+04	6.57E+03	6.38E+04	2.94E+02	5.95E+04	3.03E+04
29	7.93E+04	1.89E+04	6.12E+04	6.62E+03	6.41E+04	3.11E+02	5.97E+04	3.04E+04
30	7.77E+04	1.90E+04	5.87E+04	6.67E+03	6.36E+04	3.18E+02	6.17E+04	1.93E+04
31	7.61E+04	1.91E+04	5.65E+04	6.72E+03	6.31E+04	3.24E+02	6.14E+04	1.92E+04
32	7.46E+04	1.92E+04	5.45E+04	6.77E+03	6.26E+04	3.31E+02	6.12E+04	1.91E+04
33	7.31E+04	1.93E+04	5.28E+04	6.81E+03	6.21E+04	3.37E+02	6.09E+04	1.90E+04
34	7.16E+04	1.94E+04	5.12E+04	6.86E+03	6.16E+04	3.44E+02	6.07E+04	1.90E+04
35	7.02E+04	1.96E+04	4.98E+04	6.90E+03	6.11E+04	3.50E+02	6.05E+04	1.89E+04
36	6.88E+04	1.97E+04	4.86E+04	6.95E+03	6.07E+04	3.56E+02	6.02E+04	1.88E+04
37	6.74E+04	1.98E+04	4.74E+04	6.99E+03	6.02E+04	3.62E+02	6.00E+04	1.87E+04
38	6.60E+04	1.99E+04	4.63E+04	7.03E+03	5.97E+04	3.69E+02	5.98E+04	1.87E+04

39	6.47E+04	2.00E+04	4.53E+04	7.08E+03	5.92E+04	3.75E+02	5.95E+04	1.86E+04
40	6.34E+04	2.00E+04	4.44E+04	7.12E+03	5.87E+04	3.81E+02	5.93E+04	1.85E+04
41	6.22E+04	2.01E+04	4.35E+04	7.16E+03	5.83E+04	3.87E+02	5.90E+04	1.85E+04
42	6.10E+04	2.02E+04	4.27E+04	7.20E+03	5.85E+04	4.04E+02	5.67E+04	3.10E+04
43	5.98E+04	2.03E+04	4.19E+04	7.23E+03	5.87E+04	4.21E+02	5.68E+04	3.10E+04
44	5.86E+04	2.04E+04	4.12E+04	7.27E+03	5.89E+04	4.38E+02	5.69E+04	3.11E+04
45	5.75E+04	2.05E+04	4.05E+04	7.31E+03	5.90E+04	4.55E+02	5.70E+04	3.11E+04
46	5.64E+04	2.06E+04	3.99E+04	7.35E+03	5.92E+04	4.72E+02	5.70E+04	3.12E+04
47	5.54E+04	2.06E+04	3.92E+04	7.38E+03	5.93E+04	4.89E+02	5.71E+04	3.12E+04
48	5.44E+04	2.07E+04	3.86E+04	7.42E+03	5.94E+04	5.06E+02	5.72E+04	3.12E+04
49	5.34E+04	2.08E+04	3.81E+04	7.45E+03	5.95E+04	5.23E+02	5.73E+04	3.13E+04
50	5.25E+04	2.09E+04	3.75E+04	7.49E+03	5.96E+04	5.40E+02	5.73E+04	3.13E+04
51	5.17E+04	2.09E+04	3.70E+04	7.52E+03	5.97E+04	5.58E+02	5.74E+04	3.14E+04
52	5.09E+04	2.10E+04	3.64E+04	7.56E+03	5.98E+04	5.75E+02	5.74E+04	3.14E+04
53	5.01E+04	2.11E+04	3.58E+04	7.59E+03	5.99E+04	5.92E+02	5.75E+04	3.14E+04
54	4.94E+04	2.11E+04	3.53E+04	7.62E+03	5.94E+04	5.98E+02	5.75E+04	1.80E+04
55	4.86E+04	2.12E+04	3.47E+04	7.66E+03	5.89E+04	6.04E+02	5.73E+04	1.80E+04
56	4.79E+04	2.13E+04	3.41E+04	7.69E+03	5.84E+04	6.10E+02	5.71E+04	1.79E+04
57	4.72E+04	2.13E+04	3.35E+04	7.72E+03	5.79E+04	6.16E+02	5.69E+04	1.78E+04
58	4.65E+04	2.14E+04	3.30E+04	7.75E+03	5.75E+04	6.21E+02	5.66E+04	1.78E+04
59	4.59E+04	2.14E+04	3.24E+04	7.78E+03	5.70E+04	6.27E+02	5.64E+04	1.77E+04
60	4.52E+04	2.15E+04	3.18E+04	7.81E+03	5.65E+04	6.33E+02	5.62E+04	1.76E+04
61	4.46E+04	2.15E+04	3.13E+04	7.84E+03	5.61E+04	6.38E+02	5.59E+04	1.75E+04
62	4.39E+04	2.16E+04	3.07E+04	7.87E+03	5.56E+04	6.44E+02	5.57E+04	1.75E+04
63	4.33E+04	2.17E+04	3.02E+04	7.89E+03	5.52E+04	6.49E+02	5.55E+04	1.74E+04
64	4.27E+04	2.17E+04	2.97E+04	7.92E+03	5.47E+04	6.55E+02	5.53E+04	1.73E+04
65	4.22E+04	2.18E+04	2.91E+04	7.95E+03	5.43E+04	6.60E+02	5.50E+04	1.73E+04
66	4.15E+04	2.18E+04	2.86E+04	7.97E+03	5.43E+04	6.77E+02	5.26E+04	3.07E+04
67	4.09E+04	2.19E+04	2.81E+04	8.00E+03	5.43E+04	6.94E+02	5.26E+04	3.07E+04
68	4.03E+04	2.19E+04	2.76E+04	8.03E+03	5.43E+04	7.11E+02	5.26E+04	3.07E+04
69	3.98E+04	2.19E+04	2.71E+04	8.05E+03	5.43E+04	7.28E+02	5.26E+04	3.07E+04
168	9.98E+03	2.33E+04	9.44E+03	9.43E+03	3.37E+04	1.84E+03	3.51E+04	2.56E+04
336	4.45E+03	1.95E+04	3.92E+03	1.00E+04	1.36E+04	3.62E+03	2.14E+04	1.97E+04
504	3.23E+03	1.61E+04	2.65E+03	1.04E+04	6.53E+03	4.59E+03	9.23E+03	1.31E+04
720	2.35E+03	1.25E+04	1.77E+03	1.07E+04	3.29E+03	5.13E+03	4.51E+03	9.09E+03
2160	4.38E+02	2.32E+03	1.98E+02	1.12E+04	2.88E+02	3.04E+03	1.03E+03	3.10E+03
4320	4.21E+01	1.93E+02	9.97E+02	1.07E+04	4.50E+01	7.21E+02	1.19E+02	4.74E+02
4800	2.50E+01	1.12E+02	9.94E+02	1.07E+04	3.24E+01	5.18E+02	3.83E+01	1.52E+02
8760	3.43E-01	1.34E+00	9.69E+02	1.04E+04	2.55E+00	3.37E+01	1.17E+01	4.43E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

2/5/5/6	1.84E+06	7.30E+03	5.33E+05	2.94E+03	6.33E+04	3.99E+01	6.09E+04	1.90E+04
SUM	1.84E+06		5.36E+05		6.33E+04		7.99E+04	
Ci/g	4.98E-05		1.45E-05		1.71E-06		2.16E-06	
DIL HTO (Ci/g)	5.9E-09							
168	9.98E+03	2.33E+04	9.44E+03	9.43E+03	3.37E+04	1.84E+03	3.51E+04	2.56E+04
SUM	3.33E+04		1.89E+04		3.56E+04		6.07E+04	
Ci/g	9.00E-07		5.10E-07		9.62E-07		1.64E-06	
DIL OBT Ci/g	2.4E-09							
8760	3.43E-01	1.34E+00	9.69E+02	1.04E+04	2.55E+00	3.37E+01	1.17E+01	4.43E+01
SUM	1.69E+00		1.14E+04		3.62E+01		5.60E+01	
Ci/g	4.55E-11		3.08E-07		9.79E-10		1.51E-09	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 50 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.50E+04	0.00E+00	0.00E+00	0.00E+00	1.53E+01	1.65E-03	1.86E+00	5.79E-01
2	3.55E+04	2.78E+01	9.99E+02	3.30E+00	1.38E+02	2.64E-02	1.65E+01	6.46E+00
3	6.97E+04	9.36E+01	3.48E+03	1.25E+01	4.31E+02	1.08E-01	5.66E+01	2.31E+01
4	6.83E+04	2.23E+02	8.40E+03	3.21E+01	9.54E+02	2.99E-01	1.36E+02	5.69E+01
5	4.53E+05	2.17E+03	8.16E+04	2.82E+02	8.57E+03	2.02E+00	8.16E+02	3.48E+02
6	2.24E+05	3.06E+03	1.23E+05	4.98E+02	8.56E+03	2.94E+00	8.30E+03	2.58E+03
7	1.17E+05	3.48E+03	1.41E+05	6.77E+02	8.51E+03	3.85E+00	8.27E+03	2.58E+03
8	7.20E+04	3.69E+03	1.45E+05	8.25E+02	8.46E+03	4.76E+00	8.25E+03	2.57E+03
9	5.18E+04	3.82E+03	1.40E+05	9.48E+02	8.41E+03	5.66E+00	8.23E+03	2.56E+03
10	4.22E+04	3.91E+03	1.30E+05	1.05E+03	8.36E+03	6.56E+00	8.20E+03	2.55E+03
11	3.71E+04	3.98E+03	1.18E+05	1.14E+03	8.30E+03	7.44E+00	8.18E+03	2.55E+03
12	3.41E+04	4.05E+03	1.05E+05	1.21E+03	8.25E+03	8.33E+00	8.15E+03	2.54E+03
13	3.21E+04	4.11E+03	9.28E+04	1.27E+03	8.19E+03	9.20E+00	8.12E+03	2.53E+03
14	3.07E+04	4.16E+03	8.14E+04	1.32E+03	8.14E+03	1.01E+01	8.10E+03	2.52E+03
15	2.95E+04	4.21E+03	7.11E+04	1.37E+03	8.08E+03	1.09E+01	8.07E+03	2.51E+03
16	2.86E+04	4.26E+03	6.20E+04	1.40E+03	8.03E+03	1.18E+01	8.05E+03	2.51E+03
17	2.77E+04	4.31E+03	5.42E+04	1.44E+03	7.97E+03	1.26E+01	8.02E+03	2.50E+03
18	2.70E+04	4.35E+03	4.75E+04	1.47E+03	8.21E+03	1.59E+01	7.96E+03	5.32E+03
19	2.63E+04	4.40E+03	4.18E+04	1.50E+03	8.44E+03	1.91E+01	8.07E+03	5.37E+03
20	2.56E+04	4.44E+03	3.70E+04	1.52E+03	8.65E+03	2.24E+01	8.17E+03	5.42E+03
21	2.51E+04	4.48E+03	3.29E+04	1.54E+03	8.86E+03	2.58E+01	8.28E+03	5.46E+03
22	2.45E+04	4.52E+03	2.95E+04	1.56E+03	9.06E+03	2.92E+01	8.38E+03	5.51E+03
23	2.40E+04	4.56E+03	2.67E+04	1.58E+03	9.25E+03	3.26E+01	8.48E+03	5.55E+03
24	2.35E+04	4.60E+03	2.43E+04	1.60E+03	9.44E+03	3.60E+01	8.57E+03	5.59E+03
25	2.31E+04	4.64E+03	2.23E+04	1.62E+03	9.62E+03	3.95E+01	8.67E+03	5.63E+03
26	2.26E+04	4.68E+03	2.07E+04	1.63E+03	9.79E+03	4.31E+01	8.76E+03	5.67E+03
27	2.22E+04	4.71E+03	1.93E+04	1.65E+03	9.97E+03	4.66E+01	8.85E+03	5.71E+03
28	2.19E+04	4.75E+03	1.82E+04	1.66E+03	1.01E+04	5.02E+01	8.94E+03	5.75E+03
29	2.15E+04	4.78E+03	1.72E+04	1.68E+03	1.03E+04	5.39E+01	9.02E+03	5.79E+03
30	2.13E+04	4.81E+03	1.64E+04	1.69E+03	1.02E+04	5.49E+01	9.91E+03	3.10E+03
31	2.10E+04	4.85E+03	1.57E+04	1.70E+03	1.01E+04	5.60E+01	9.87E+03	3.08E+03
32	2.07E+04	4.88E+03	1.51E+04	1.72E+03	1.01E+04	5.70E+01	9.83E+03	3.07E+03
33	2.05E+04	4.91E+03	1.46E+04	1.73E+03	9.99E+03	5.80E+01	9.79E+03	3.06E+03
34	2.02E+04	4.94E+03	1.42E+04	1.74E+03	9.91E+03	5.91E+01	9.76E+03	3.05E+03
35	2.00E+04	4.97E+03	1.39E+04	1.76E+03	9.84E+03	6.01E+01	9.72E+03	3.04E+03
36	1.98E+04	5.00E+03	1.36E+04	1.77E+03	9.76E+03	6.11E+01	9.68E+03	3.03E+03
37	1.95E+04	5.03E+03	1.33E+04	1.78E+03	9.69E+03	6.21E+01	9.65E+03	3.02E+03
38	1.93E+04	5.06E+03	1.31E+04	1.79E+03	9.62E+03	6.31E+01	9.61E+03	3.00E+03

39	1.91E+04	5.09E+03	1.29E+04	1.81E+03	9.54E+03	6.41E+01	9.57E+03	2.99E+03
40	1.88E+04	5.12E+03	1.28E+04	1.82E+03	9.47E+03	6.50E+01	9.54E+03	2.98E+03
41	1.86E+04	5.15E+03	1.26E+04	1.83E+03	9.40E+03	6.60E+01	9.50E+03	2.97E+03
42	1.84E+04	5.18E+03	1.25E+04	1.84E+03	9.53E+03	6.98E+01	9.24E+03	6.29E+03
43	1.81E+04	5.20E+03	1.24E+04	1.85E+03	9.66E+03	7.36E+01	9.30E+03	6.32E+03
44	1.79E+04	5.23E+03	1.23E+04	1.86E+03	9.78E+03	7.74E+01	9.36E+03	6.35E+03
45	1.77E+04	5.26E+03	1.22E+04	1.88E+03	9.90E+03	8.13E+01	9.42E+03	6.37E+03
46	1.75E+04	5.28E+03	1.21E+04	1.89E+03	1.00E+04	8.52E+01	9.48E+03	6.40E+03
47	1.72E+04	5.31E+03	1.20E+04	1.90E+03	1.01E+04	8.91E+01	9.53E+03	6.42E+03
48	1.70E+04	5.33E+03	1.20E+04	1.91E+03	1.02E+04	9.30E+01	9.59E+03	6.45E+03
49	1.68E+04	5.36E+03	1.19E+04	1.92E+03	1.03E+04	9.69E+01	9.64E+03	6.47E+03
50	1.66E+04	5.38E+03	1.19E+04	1.93E+03	1.04E+04	1.01E+02	9.70E+03	6.50E+03
51	1.64E+04	5.41E+03	1.18E+04	1.94E+03	1.05E+04	1.05E+02	9.75E+03	6.52E+03
52	1.62E+04	5.43E+03	1.17E+04	1.96E+03	1.06E+04	1.09E+02	9.80E+03	6.54E+03
53	1.61E+04	5.45E+03	1.16E+04	1.97E+03	1.07E+04	1.13E+02	9.85E+03	6.56E+03
54	1.59E+04	5.48E+03	1.15E+04	1.98E+03	1.07E+04	1.14E+02	1.03E+04	3.24E+03
55	1.57E+04	5.50E+03	1.14E+04	1.99E+03	1.06E+04	1.15E+02	1.03E+04	3.22E+03
56	1.55E+04	5.52E+03	1.13E+04	2.00E+03	1.05E+04	1.16E+02	1.02E+04	3.21E+03
57	1.53E+04	5.54E+03	1.12E+04	2.01E+03	1.04E+04	1.17E+02	1.02E+04	3.20E+03
58	1.52E+04	5.56E+03	1.11E+04	2.02E+03	1.03E+04	1.18E+02	1.02E+04	3.19E+03
59	1.50E+04	5.58E+03	1.10E+04	2.03E+03	1.02E+04	1.19E+02	1.01E+04	3.17E+03
60	1.48E+04	5.60E+03	1.09E+04	2.04E+03	1.02E+04	1.20E+02	1.01E+04	3.16E+03
61	1.46E+04	5.62E+03	1.07E+04	2.05E+03	1.01E+04	1.21E+02	1.00E+04	3.15E+03
62	1.45E+04	5.64E+03	1.06E+04	2.06E+03	9.99E+03	1.22E+02	1.00E+04	3.14E+03
63	1.43E+04	5.66E+03	1.05E+04	2.07E+03	9.92E+03	1.23E+02	9.96E+03	3.13E+03
64	1.41E+04	5.68E+03	1.04E+04	2.08E+03	9.84E+03	1.24E+02	9.92E+03	3.11E+03
65	1.40E+04	5.70E+03	1.02E+04	2.09E+03	9.76E+03	1.25E+02	9.88E+03	3.10E+03
66	1.38E+04	5.72E+03	1.01E+04	2.10E+03	9.83E+03	1.29E+02	9.53E+03	6.74E+03
67	1.36E+04	5.74E+03	9.95E+03	2.11E+03	9.90E+03	1.33E+02	9.56E+03	6.75E+03
68	1.34E+04	5.75E+03	9.82E+03	2.12E+03	9.97E+03	1.37E+02	9.60E+03	6.77E+03
69	1.33E+04	5.77E+03	9.68E+03	2.13E+03	1.00E+04	1.41E+02	9.63E+03	6.78E+03
168	2.74E+03	6.42E+03	2.96E+03	2.64E+03	7.75E+03	4.22E+02	7.96E+03	6.58E+03
336	1.18E+03	5.36E+03	1.08E+03	2.81E+03	3.39E+03	9.18E+02	5.10E+03	5.22E+03
504	8.52E+02	4.41E+03	7.27E+02	2.91E+03	1.71E+03	1.20E+03	2.35E+03	3.58E+03
720	6.16E+02	3.43E+03	4.83E+02	2.99E+03	8.92E+02	1.36E+03	1.21E+03	2.51E+03
2160	1.15E+02	6.29E+02	5.38E+01	3.14E+03	7.81E+01	8.22E+02	2.83E+02	8.56E+02
4320	1.10E+01	5.17E+01	2.72E+02	3.00E+03	1.20E+01	1.95E+02	3.20E+01	1.29E+02
4800	6.54E+00	2.99E+01	2.71E+02	2.99E+03	8.60E+00	1.40E+02	1.02E+01	4.11E+01
8760	8.98E-02	3.54E-01	2.64E+02	2.91E+03	6.71E-01	9.08E+00	3.10E+00	1.19E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

5/8/29/54	4.53E+05	2.17E+03	1.45E+05	8.25E+02	1.03E+04	5.39E+01	1.03E+04	3.24E+03
SUM	4.55E+05		1.46E+05		1.04E+04		1.36E+04	
Ci/g	1.23E-05		3.94E-06		2.80E-07		3.66E-07	
DIL HTO (Ci/g)	5.9E-09							
168	2.74E+03	6.42E+03	2.96E+03	2.64E+03	7.75E+03	4.22E+02	7.96E+03	6.58E+03
SUM	9.16E+03		5.60E+03		8.17E+03		1.45E+04	
Ci/g	2.47E-07		1.51E-07		2.21E-07		3.93E-07	
DIL OBT Ci/g	2.4E-09							
8760	8.98E-02	3.54E-01	2.64E+02	2.91E+03	6.71E-01	9.08E+00	3.10E+00	1.19E+01
SUM	4.44E-01		3.18E+03		9.75E+00		1.50E+01	
Ci/g	1.20E-11		8.59E-08		2.63E-10		4.06E-10	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Adverse Met Conditions								
Concentration Values for 100 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	5.08E+02	0.00E+00	0.00E+00	0.00E+00	5.21E-01	5.61E-05	6.32E-02	1.97E-02
2	1.54E+03	9.44E-01	3.39E+01	1.12E-01	5.02E+00	9.33E-04	5.97E-01	2.31E-01
3	3.62E+03	3.81E+00	1.41E+02	4.98E-01	1.82E+01	4.32E-03	2.30E+00	9.31E-01
4	4.75E+03	1.05E+01	3.94E+02	1.47E+00	4.61E+01	1.34E-02	6.15E+00	2.56E+00
5	9.79E+03	1.93E+01	7.36E+02	2.98E+00	8.90E+01	3.08E-02	1.28E+01	5.38E+00
6	1.13E+04	3.75E+01	1.41E+03	5.93E+00	9.58E+01	4.11E-02	9.29E+01	2.89E+01
7	1.79E+04	5.84E+01	2.21E+03	9.92E+00	1.09E+02	5.28E-02	9.91E+01	3.09E+01
8	2.59E+04	9.16E+01	3.42E+03	1.61E+01	1.27E+02	6.64E-02	1.07E+02	3.33E+01
9	3.47E+04	1.89E+02	6.98E+03	3.11E+01	1.67E+02	8.42E-02	1.21E+02	3.76E+01
10	1.88E+05	9.92E+02	3.70E+04	1.37E+02	5.85E+02	1.47E-01	2.10E+02	6.54E+01
11	8.84E+04	1.34E+03	5.30E+04	2.26E+02	5.94E+02	2.11E-01	2.71E+02	8.44E+01
12	4.73E+04	1.50E+03	5.98E+04	2.99E+02	6.00E+02	2.75E-01	3.15E+02	9.82E+01
13	2.98E+04	1.59E+03	6.08E+04	3.60E+02	6.05E+02	3.40E-01	3.49E+02	1.09E+02
14	2.20E+04	1.64E+03	5.84E+04	4.11E+02	6.08E+02	4.05E-01	3.76E+02	1.17E+02
15	1.82E+04	1.68E+03	5.41E+04	4.53E+02	6.10E+02	4.71E-01	3.97E+02	1.24E+02
16	1.63E+04	1.71E+03	4.90E+04	4.89E+02	6.12E+02	5.36E-01	4.15E+02	1.29E+02
17	1.51E+04	1.74E+03	4.38E+04	5.19E+02	6.13E+02	6.02E-01	4.30E+02	1.34E+02
18	1.44E+04	1.77E+03	3.87E+04	5.44E+02	8.13E+02	1.63E+00	7.88E+02	1.39E+03
19	1.38E+04	1.79E+03	3.40E+04	5.66E+02	9.87E+02	2.70E+00	8.72E+02	1.43E+03
20	1.34E+04	1.81E+03	2.98E+04	5.85E+02	1.14E+03	3.79E+00	9.51E+02	1.46E+03
21	1.30E+04	1.84E+03	2.61E+04	6.02E+02	1.29E+03	4.92E+00	1.03E+03	1.49E+03
22	1.27E+04	1.86E+03	2.29E+04	6.16E+02	1.43E+03	6.07E+00	1.10E+03	1.52E+03
23	1.25E+04	1.88E+03	2.02E+04	6.30E+02	1.56E+03	7.24E+00	1.17E+03	1.55E+03
24	1.22E+04	1.90E+03	1.79E+04	6.42E+02	1.69E+03	8.44E+00	1.23E+03	1.58E+03
25	1.20E+04	1.92E+03	1.60E+04	6.52E+02	1.81E+03	9.66E+00	1.30E+03	1.61E+03
26	1.18E+04	1.94E+03	1.44E+04	6.63E+02	1.93E+03	1.09E+01	1.36E+03	1.63E+03
27	1.16E+04	1.96E+03	1.30E+04	6.72E+02	2.05E+03	1.22E+01	1.42E+03	1.66E+03
28	1.15E+04	1.98E+03	1.19E+04	6.81E+02	2.16E+03	1.35E+01	1.48E+03	1.69E+03
29	1.14E+04	2.00E+03	1.10E+04	6.89E+02	2.28E+03	1.48E+01	1.54E+03	1.71E+03
30	1.13E+04	2.01E+03	1.02E+04	6.97E+02	2.26E+03	1.50E+01	2.19E+03	6.85E+02
31	1.12E+04	2.03E+03	9.56E+03	7.05E+02	2.25E+03	1.52E+01	2.18E+03	6.83E+02
32	1.11E+04	2.05E+03	9.05E+03	7.13E+02	2.23E+03	1.55E+01	2.18E+03	6.81E+02
33	1.11E+04	2.07E+03	8.63E+03	7.20E+02	2.22E+03	1.57E+01	2.17E+03	6.79E+02
34	1.10E+04	2.09E+03	8.30E+03	7.27E+02	2.20E+03	1.59E+01	2.16E+03	6.77E+02
35	1.10E+04	2.10E+03	8.03E+03	7.34E+02	2.19E+03	1.61E+01	2.16E+03	6.75E+02
36	1.09E+04	2.12E+03	7.81E+03	7.41E+02	2.18E+03	1.64E+01	2.15E+03	6.73E+02
37	1.09E+04	2.14E+03	7.64E+03	7.48E+02	2.16E+03	1.66E+01	2.14E+03	6.70E+02
38	1.08E+04	2.16E+03	7.51E+03	7.55E+02	2.15E+03	1.68E+01	2.14E+03	6.68E+02

39	1.08E+04	2.17E+03	7.41E+03	7.62E+02	2.14E+03	1.70E+01	2.13E+03	6.66E+02
40	1.07E+04	2.19E+03	7.34E+03	7.69E+02	2.12E+03	1.72E+01	2.12E+03	6.64E+02
41	1.07E+04	2.21E+03	7.28E+03	7.76E+02	2.11E+03	1.75E+01	2.12E+03	6.62E+02
42	1.06E+04	2.22E+03	7.25E+03	7.83E+02	2.21E+03	1.89E+01	2.15E+03	2.15E+03
43	1.06E+04	2.24E+03	7.23E+03	7.90E+02	2.32E+03	2.04E+01	2.19E+03	2.17E+03
44	1.05E+04	2.26E+03	7.22E+03	7.97E+02	2.42E+03	2.18E+01	2.24E+03	2.19E+03
45	1.05E+04	2.27E+03	7.22E+03	8.04E+02	2.52E+03	2.33E+01	2.29E+03	2.21E+03
46	1.04E+04	2.29E+03	7.23E+03	8.11E+02	2.61E+03	2.49E+01	2.34E+03	2.23E+03
47	1.04E+04	2.31E+03	7.25E+03	8.18E+02	2.71E+03	2.64E+01	2.39E+03	2.25E+03
48	1.03E+04	2.32E+03	7.28E+03	8.25E+02	2.80E+03	2.79E+01	2.43E+03	2.27E+03
49	1.03E+04	2.34E+03	7.31E+03	8.32E+02	2.90E+03	2.95E+01	2.48E+03	2.29E+03
50	1.02E+04	2.36E+03	7.34E+03	8.39E+02	2.99E+03	3.11E+01	2.53E+03	2.31E+03
51	1.02E+04	2.37E+03	7.37E+03	8.46E+02	3.08E+03	3.27E+01	2.57E+03	2.33E+03
52	1.01E+04	2.39E+03	7.39E+03	8.54E+02	3.17E+03	3.43E+01	2.62E+03	2.35E+03
53	1.01E+04	2.40E+03	7.41E+03	8.61E+02	3.25E+03	3.59E+01	2.66E+03	2.37E+03
54	1.00E+04	2.42E+03	7.42E+03	8.68E+02	3.23E+03	3.63E+01	3.13E+03	9.82E+02
55	9.94E+03	2.43E+03	7.42E+03	8.75E+02	3.21E+03	3.66E+01	3.12E+03	9.79E+02
56	9.89E+03	2.45E+03	7.41E+03	8.82E+02	3.19E+03	3.69E+01	3.11E+03	9.75E+02
57	9.83E+03	2.46E+03	7.40E+03	8.89E+02	3.16E+03	3.72E+01	3.10E+03	9.72E+02
58	9.77E+03	2.48E+03	7.39E+03	8.96E+02	3.14E+03	3.75E+01	3.09E+03	9.69E+02
59	9.71E+03	2.49E+03	7.37E+03	9.04E+02	3.12E+03	3.78E+01	3.08E+03	9.65E+02
60	9.65E+03	2.51E+03	7.34E+03	9.11E+02	3.10E+03	3.81E+01	3.07E+03	9.62E+02
61	9.58E+03	2.52E+03	7.31E+03	9.18E+02	3.07E+03	3.84E+01	3.06E+03	9.59E+02
62	9.51E+03	2.54E+03	7.28E+03	9.25E+02	3.05E+03	3.88E+01	3.04E+03	9.55E+02
63	9.44E+03	2.55E+03	7.24E+03	9.31E+02	3.03E+03	3.90E+01	3.03E+03	9.52E+02
64	9.37E+03	2.57E+03	7.20E+03	9.38E+02	3.01E+03	3.93E+01	3.02E+03	9.49E+02
65	9.29E+03	2.58E+03	7.16E+03	9.45E+02	2.99E+03	3.96E+01	3.01E+03	9.45E+02
66	9.21E+03	2.59E+03	7.12E+03	9.52E+02	3.07E+03	4.14E+01	2.97E+03	2.66E+03
67	9.13E+03	2.61E+03	7.07E+03	9.59E+02	3.15E+03	4.31E+01	3.01E+03	2.68E+03
68	9.04E+03	2.62E+03	7.02E+03	9.65E+02	3.22E+03	4.49E+01	3.05E+03	2.69E+03
69	8.96E+03	2.63E+03	6.96E+03	9.72E+02	3.30E+03	4.66E+01	3.09E+03	2.71E+03
168	1.38E+03	3.21E+03	1.84E+03	1.36E+03	3.70E+03	1.82E+02	3.76E+03	3.29E+03
336	5.73E+02	2.68E+03	5.55E+02	1.45E+03	1.68E+03	4.40E+02	2.48E+03	2.65E+03
504	4.11E+02	2.21E+03	3.72E+02	1.50E+03	8.65E+02	5.88E+02	1.18E+03	1.84E+03
720	2.97E+02	1.71E+03	2.46E+02	1.54E+03	4.57E+02	6.76E+02	6.13E+02	1.29E+03
2160	5.49E+01	3.11E+02	2.73E+01	1.62E+03	3.96E+01	4.15E+02	1.45E+02	4.39E+02
4320	5.27E+00	2.53E+01	1.38E+02	1.55E+03	5.99E+00	9.87E+01	1.61E+01	6.52E+01
4800	3.14E+00	1.46E+01	1.38E+02	1.54E+03	4.31E+00	7.08E+01	5.09E+00	2.07E+01
8760	4.30E-02	1.71E-01	1.34E+02	1.50E+03	3.35E-01	4.58E+00	1.55E+00	6.01E+00
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

10/13/53/5 4	1.88E+05	9.92E+02	6.08E+04	3.60E+02	3.25E+03	3.59E+01	3.13E+03	9.82E+02
SUM	1.89E+05		6.12E+04		3.29E+03		4.11E+03	
Ci/g	5.10E-06		1.65E-06		8.89E-08		1.11E-07	
DIL HTO (Ci/g)	5.9E-09							
168	1.38E+03	3.21E+03	1.84E+03	1.36E+03	3.70E+03	1.82E+02	3.76E+03	3.29E+03
SUM	4.59E+03		3.20E+03		3.88E+03		7.04E+03	
Ci/g	1.24E-07		8.64E-08		1.05E-07		1.90E-07	
DIL OBT Ci/g	2.4E-09							
8760	4.30E-02	1.71E-01	1.34E+02	1.50E+03	3.35E-01	4.58E+00	1.55E+00	6.01E+00
SUM	2.14E-01		1.64E+03		4.92E+00		7.55E+00	
Ci/g	5.79E-12		4.42E-08		1.33E-10		2.04E-10	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 150 m from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	4.26E+07	2.16E+05	1.32E+07	4.46E+04	1.06E+06	2.17E+02	1.28E+05	5.55E+04
2	1.53E+07	2.90E+05	1.89E+07	7.67E+04	1.54E+06	5.39E+02	2.80E+05	1.22E+05
3	5.86E+06	3.16E+05	2.03E+07	9.99E+04	1.79E+06	9.15E+02	4.25E+05	1.86E+05
4	2.54E+06	3.26E+05	1.93E+07	1.17E+05	1.91E+06	1.32E+03	5.55E+05	2.44E+05
5	1.39E+06	3.30E+05	1.73E+07	1.29E+05	1.97E+06	1.74E+03	6.69E+05	2.94E+05
6	9.85E+05	3.32E+05	1.48E+07	1.38E+05	1.96E+06	1.94E+03	1.90E+06	5.91E+05
7	8.38E+05	3.33E+05	1.24E+07	1.44E+05	1.94E+06	2.15E+03	1.89E+06	5.89E+05
8	7.79E+05	3.34E+05	1.01E+07	1.49E+05	1.93E+06	2.36E+03	1.88E+06	5.86E+05
9	7.50E+05	3.35E+05	8.19E+06	1.52E+05	1.91E+06	2.56E+03	1.87E+06	5.84E+05
10	7.31E+05	3.36E+05	6.55E+06	1.54E+05	1.89E+06	2.76E+03	1.87E+06	5.81E+05
11	7.15E+05	3.37E+05	5.20E+06	1.56E+05	1.88E+06	2.96E+03	1.86E+06	5.79E+05
12	7.02E+05	3.38E+05	4.10E+06	1.58E+05	1.86E+06	3.16E+03	1.85E+06	5.77E+05
13	6.89E+05	3.39E+05	3.23E+06	1.59E+05	1.85E+06	3.36E+03	1.84E+06	5.74E+05
14	6.76E+05	3.39E+05	2.54E+06	1.60E+05	1.83E+06	3.55E+03	1.84E+06	5.72E+05
15	6.64E+05	3.40E+05	2.00E+06	1.60E+05	1.82E+06	3.74E+03	1.83E+06	5.69E+05
16	6.52E+05	3.41E+05	1.59E+06	1.61E+05	1.80E+06	3.94E+03	1.82E+06	5.67E+05
17	6.40E+05	3.42E+05	1.26E+06	1.62E+05	1.79E+06	4.13E+03	1.81E+06	5.65E+05
18	6.29E+05	3.42E+05	1.02E+06	1.62E+05	1.78E+06	4.53E+03	1.72E+06	8.05E+05
19	6.18E+05	3.43E+05	8.26E+05	1.62E+05	1.77E+06	4.94E+03	1.72E+06	8.04E+05
20	6.08E+05	3.44E+05	6.81E+05	1.63E+05	1.76E+06	5.35E+03	1.72E+06	8.03E+05
21	5.98E+05	3.44E+05	5.71E+05	1.63E+05	1.76E+06	5.76E+03	1.71E+06	8.02E+05
22	5.88E+05	3.45E+05	4.87E+05	1.63E+05	1.75E+06	6.16E+03	1.71E+06	8.01E+05
23	5.79E+05	3.45E+05	4.22E+05	1.63E+05	1.74E+06	6.57E+03	1.71E+06	8.01E+05
24	5.70E+05	3.46E+05	3.73E+05	1.64E+05	1.74E+06	6.97E+03	1.70E+06	7.99E+05
25	5.61E+05	3.46E+05	3.36E+05	1.64E+05	1.73E+06	7.37E+03	1.70E+06	7.98E+05
26	5.53E+05	3.47E+05	3.07E+05	1.64E+05	1.72E+06	7.77E+03	1.70E+06	7.97E+05
27	5.45E+05	3.47E+05	2.85E+05	1.64E+05	1.71E+06	8.17E+03	1.69E+06	7.96E+05
28	5.37E+05	3.48E+05	2.68E+05	1.65E+05	1.71E+06	8.57E+03	1.69E+06	7.95E+05
29	5.30E+05	3.48E+05	2.54E+05	1.65E+05	1.70E+06	8.97E+03	1.69E+06	7.94E+05
30	5.23E+05	3.49E+05	2.43E+05	1.65E+05	1.68E+06	9.15E+03	1.63E+06	5.10E+05
31	5.16E+05	3.49E+05	2.35E+05	1.65E+05	1.67E+06	9.32E+03	1.63E+06	5.08E+05
32	5.10E+05	3.50E+05	2.27E+05	1.65E+05	1.66E+06	9.49E+03	1.62E+06	5.06E+05
33	5.03E+05	3.50E+05	2.21E+05	1.66E+05	1.64E+06	9.66E+03	1.61E+06	5.04E+05
34	4.97E+05	3.51E+05	2.16E+05	1.66E+05	1.63E+06	9.83E+03	1.61E+06	5.02E+05
35	4.92E+05	3.51E+05	2.12E+05	1.66E+05	1.61E+06	9.99E+03	1.60E+06	4.99E+05
36	4.86E+05	3.51E+05	2.08E+05	1.66E+05	1.60E+06	1.02E+04	1.59E+06	4.97E+05
37	4.81E+05	3.52E+05	2.05E+05	1.66E+05	1.59E+06	1.03E+04	1.59E+06	4.95E+05
38	4.75E+05	3.52E+05	2.02E+05	1.67E+05	1.57E+06	1.05E+04	1.58E+06	4.93E+05

39	4.71E+05	3.52E+05	1.99E+05	1.67E+05	1.56E+06	1.07E+04	1.57E+06	4.91E+05
40	4.66E+05	3.53E+05	1.96E+05	1.67E+05	1.55E+06	1.08E+04	1.57E+06	4.89E+05
41	4.61E+05	3.53E+05	1.94E+05	1.67E+05	1.54E+06	1.10E+04	1.56E+06	4.87E+05
42	4.57E+05	3.54E+05	1.91E+05	1.67E+05	1.53E+06	1.13E+04	1.48E+06	7.36E+05
43	4.53E+05	3.54E+05	1.89E+05	1.68E+05	1.52E+06	1.17E+04	1.48E+06	7.35E+05
44	4.49E+05	3.54E+05	1.87E+05	1.68E+05	1.51E+06	1.21E+04	1.47E+06	7.34E+05
45	4.45E+05	3.54E+05	1.85E+05	1.68E+05	1.51E+06	1.25E+04	1.47E+06	7.33E+05
46	4.41E+05	3.55E+05	1.83E+05	1.68E+05	1.50E+06	1.29E+04	1.47E+06	7.32E+05
47	4.38E+05	3.55E+05	1.81E+05	1.68E+05	1.49E+06	1.32E+04	1.46E+06	7.31E+05
48	4.34E+05	3.55E+05	1.80E+05	1.68E+05	1.49E+06	1.36E+04	1.46E+06	7.29E+05
49	4.31E+05	3.56E+05	1.78E+05	1.69E+05	1.48E+06	1.40E+04	1.46E+06	7.28E+05
50	4.28E+05	3.56E+05	1.76E+05	1.69E+05	1.47E+06	1.44E+04	1.45E+06	7.27E+05
51	4.25E+05	3.56E+05	1.75E+05	1.69E+05	1.47E+06	1.47E+04	1.45E+06	7.26E+05
52	4.22E+05	3.56E+05	1.73E+05	1.69E+05	1.46E+06	1.51E+04	1.45E+06	7.25E+05
53	4.19E+05	3.57E+05	1.72E+05	1.69E+05	1.45E+06	1.55E+04	1.44E+06	7.24E+05
54	4.16E+05	3.57E+05	1.70E+05	1.69E+05	1.44E+06	1.56E+04	1.39E+06	4.37E+05
55	4.14E+05	3.57E+05	1.69E+05	1.70E+05	1.43E+06	1.58E+04	1.39E+06	4.35E+05
56	4.11E+05	3.58E+05	1.68E+05	1.70E+05	1.42E+06	1.59E+04	1.38E+06	4.34E+05
57	4.09E+05	3.58E+05	1.67E+05	1.70E+05	1.40E+06	1.60E+04	1.38E+06	4.32E+05
58	4.06E+05	3.58E+05	1.65E+05	1.70E+05	1.39E+06	1.62E+04	1.37E+06	4.30E+05
59	4.04E+05	3.58E+05	1.64E+05	1.70E+05	1.38E+06	1.63E+04	1.37E+06	4.28E+05
60	4.02E+05	3.58E+05	1.63E+05	1.70E+05	1.37E+06	1.64E+04	1.36E+06	4.27E+05
61	4.00E+05	3.59E+05	1.62E+05	1.71E+05	1.36E+06	1.66E+04	1.35E+06	4.25E+05
62	3.98E+05	3.59E+05	1.61E+05	1.71E+05	1.35E+06	1.67E+04	1.35E+06	4.23E+05
63	3.96E+05	3.59E+05	1.60E+05	1.71E+05	1.33E+06	1.68E+04	1.34E+06	4.21E+05
64	3.94E+05	3.59E+05	1.59E+05	1.71E+05	1.32E+06	1.70E+04	1.34E+06	4.20E+05
65	3.92E+05	3.60E+05	1.58E+05	1.71E+05	1.31E+06	1.71E+04	1.33E+06	4.18E+05
66	3.90E+05	3.60E+05	1.57E+05	1.71E+05	1.31E+06	1.75E+04	1.27E+06	6.71E+05
67	3.89E+05	3.60E+05	1.56E+05	1.72E+05	1.30E+06	1.78E+04	1.26E+06	6.70E+05
68	3.87E+05	3.60E+05	1.55E+05	1.72E+05	1.29E+06	1.82E+04	1.26E+06	6.69E+05
69	3.85E+05	3.60E+05	1.54E+05	1.72E+05	1.29E+06	1.85E+04	1.26E+06	6.68E+05
168	1.79E+05	3.55E+05	1.68E+05	1.86E+05	6.63E+05	4.46E+04	7.34E+05	4.95E+05
336	9.55E+04	3.01E+05	9.00E+04	1.99E+05	2.75E+05	7.61E+04	4.25E+05	3.69E+05
504	7.10E+04	2.51E+05	6.24E+04	2.07E+05	1.35E+05	9.31E+04	1.89E+05	2.48E+05
720	5.20E+04	1.99E+05	4.21E+04	2.14E+05	6.85E+04	1.02E+05	9.39E+04	1.73E+05
2160	9.81E+03	4.00E+04	4.76E+03	2.28E+05	6.19E+03	5.96E+04	2.15E+04	6.01E+04
4320	9.44E+02	3.66E+03	2.39E+04	2.16E+05	1.06E+03	1.43E+04	2.67E+03	9.57E+03
4800	5.61E+02	2.16E+03	2.38E+04	2.15E+05	7.75E+02	1.03E+04	9.10E+02	3.17E+03
8760	7.71E+00	2.84E+01	2.32E+04	2.10E+05	6.47E+01	6.95E+02	2.86E+02	9.38E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOURL	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/3/5/6	4.26E+07	2.16E+05	2.03E+07	9.99E+04	1.97E+06	1.74E+03	1.90E+06	5.91E+05
SUM	4.28E+07		2.04E+07		1.98E+06		2.49E+06	
Ci/g	1.16E-03		5.50E-04		5.34E-05		6.72E-05	
DIL HTO (Ci/g)	5.9E-09							
168	1.79E+05	3.55E+05	1.68E+05	1.86E+05	6.63E+05	4.46E+04	7.34E+05	4.95E+05
SUM	5.34E+05		3.54E+05		7.07E+05		1.23E+06	
Ci/g	1.44E-05		9.57E-06		1.91E-05		3.32E-05	
DIL OBT Ci/g	2.4E-09							
8760	7.71E+00	2.84E+01	2.32E+04	2.10E+05	6.47E+01	6.95E+02	2.86E+02	9.38E+02
SUM	3.61E+01		2.33E+05		7.60E+02		1.22E+03	
Ci/g	9.76E-10		6.30E-06		2.05E-08		3.31E-08	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 1 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	9.48E+06	4.33E+04	2.66E+06	8.96E+03	2.13E+05	4.37E+01	2.58E+04	1.12E+04
2	3.90E+06	5.99E+04	3.89E+06	1.57E+04	3.18E+05	1.10E+02	5.72E+04	2.50E+04
3	1.78E+06	6.66E+04	4.26E+06	2.08E+04	3.76E+05	1.89E+02	8.79E+04	3.85E+04
4	9.51E+05	6.97E+04	4.13E+06	2.45E+04	4.07E+05	2.75E+02	1.16E+05	5.08E+04
5	6.11E+05	7.12E+04	3.75E+06	2.73E+04	4.24E+05	3.64E+02	1.40E+05	6.17E+04
6	4.62E+05	7.22E+04	3.27E+06	2.94E+04	4.21E+05	4.09E+02	4.08E+05	1.27E+05
7	3.91E+05	7.29E+04	2.78E+06	3.10E+04	4.18E+05	4.54E+02	4.06E+05	1.27E+05
8	3.51E+05	7.35E+04	2.32E+06	3.21E+04	4.14E+05	4.98E+02	4.05E+05	1.26E+05
9	3.27E+05	7.40E+04	1.91E+06	3.30E+04	4.11E+05	5.42E+02	4.03E+05	1.26E+05
10	3.09E+05	7.45E+04	1.56E+06	3.37E+04	4.07E+05	5.85E+02	4.01E+05	1.25E+05
11	2.95E+05	7.49E+04	1.26E+06	3.43E+04	4.04E+05	6.28E+02	4.00E+05	1.25E+05
12	2.83E+05	7.54E+04	1.03E+06	3.47E+04	4.01E+05	6.71E+02	3.98E+05	1.24E+05
13	2.73E+05	7.57E+04	8.33E+05	3.51E+04	3.97E+05	7.13E+02	3.97E+05	1.24E+05
14	2.64E+05	7.61E+04	6.79E+05	3.54E+04	3.94E+05	7.55E+02	3.95E+05	1.23E+05
15	2.55E+05	7.65E+04	5.57E+05	3.57E+04	3.91E+05	7.97E+02	3.93E+05	1.23E+05
16	2.48E+05	7.68E+04	4.61E+05	3.59E+04	3.88E+05	8.38E+02	3.92E+05	1.22E+05
17	2.39E+05	7.72E+04	3.85E+05	3.61E+04	3.84E+05	8.79E+02	3.90E+05	1.22E+05
18	2.31E+05	7.75E+04	3.25E+05	3.63E+04	3.84E+05	9.69E+02	3.72E+05	1.77E+05
19	2.24E+05	7.78E+04	2.79E+05	3.64E+04	3.84E+05	1.06E+03	3.72E+05	1.77E+05
20	2.18E+05	7.81E+04	2.42E+05	3.66E+04	3.83E+05	1.15E+03	3.72E+05	1.77E+05
21	2.13E+05	7.83E+04	2.13E+05	3.67E+04	3.83E+05	1.24E+03	3.72E+05	1.77E+05
22	2.07E+05	7.86E+04	1.90E+05	3.68E+04	3.82E+05	1.33E+03	3.71E+05	1.77E+05
23	2.02E+05	7.89E+04	1.72E+05	3.70E+04	3.81E+05	1.42E+03	3.71E+05	1.77E+05
24	1.97E+05	7.91E+04	1.57E+05	3.71E+04	3.81E+05	1.51E+03	3.71E+05	1.77E+05
25	1.92E+05	7.94E+04	1.45E+05	3.72E+04	3.80E+05	1.60E+03	3.71E+05	1.77E+05
26	1.87E+05	7.96E+04	1.35E+05	3.73E+04	3.79E+05	1.69E+03	3.70E+05	1.77E+05
27	1.83E+05	7.98E+04	1.27E+05	3.74E+04	3.78E+05	1.79E+03	3.70E+05	1.77E+05
28	1.79E+05	8.00E+04	1.21E+05	3.75E+04	3.77E+05	1.88E+03	3.69E+05	1.77E+05
29	1.75E+05	8.02E+04	1.15E+05	3.76E+04	3.76E+05	1.97E+03	3.69E+05	1.77E+05
30	1.71E+05	8.04E+04	1.10E+05	3.77E+04	3.73E+05	2.00E+03	3.62E+05	1.13E+05
31	1.67E+05	8.06E+04	1.05E+05	3.78E+04	3.70E+05	2.04E+03	3.60E+05	1.13E+05
32	1.64E+05	8.08E+04	1.01E+05	3.79E+04	3.67E+05	2.08E+03	3.59E+05	1.12E+05
33	1.60E+05	8.10E+04	9.77E+04	3.80E+04	3.64E+05	2.12E+03	3.57E+05	1.12E+05
34	1.52E+05	8.12E+04	9.44E+04	3.81E+04	3.61E+05	2.16E+03	3.56E+05	1.11E+05
35	1.48E+05	8.13E+04	9.09E+04	3.81E+04	3.58E+05	2.19E+03	3.54E+05	1.11E+05
36	1.44E+05	8.15E+04	8.75E+04	3.82E+04	3.55E+05	2.23E+03	3.53E+05	1.10E+05
37	1.41E+05	8.16E+04	8.42E+04	3.83E+04	3.52E+05	2.27E+03	3.51E+05	1.10E+05
38	1.39E+05	8.18E+04	8.10E+04	3.84E+04	3.49E+05	2.30E+03	3.50E+05	1.09E+05

39	1.36E+05	8.19E+04	7.82E+04	3.84E+04	3.46E+05	2.34E+03	3.48E+05	1.09E+05
40	1.34E+05	8.20E+04	7.55E+04	3.85E+04	3.43E+05	2.37E+03	3.47E+05	1.08E+05
41	1.31E+05	8.21E+04	7.31E+04	3.86E+04	3.40E+05	2.41E+03	3.46E+05	1.08E+05
42	1.29E+05	8.23E+04	7.08E+04	3.86E+04	3.39E+05	2.49E+03	3.29E+05	1.66E+05
43	1.27E+05	8.24E+04	6.87E+04	3.87E+04	3.38E+05	2.58E+03	3.28E+05	1.66E+05
44	1.25E+05	8.25E+04	6.68E+04	3.88E+04	3.37E+05	2.67E+03	3.27E+05	1.66E+05
45	1.23E+05	8.26E+04	6.50E+04	3.88E+04	3.35E+05	2.75E+03	3.27E+05	1.66E+05
46	1.21E+05	8.27E+04	6.34E+04	3.89E+04	3.34E+05	2.84E+03	3.26E+05	1.66E+05
47	1.20E+05	8.28E+04	6.18E+04	3.89E+04	3.33E+05	2.93E+03	3.26E+05	1.65E+05
48	1.16E+05	8.29E+04	6.04E+04	3.90E+04	3.31E+05	3.01E+03	3.25E+05	1.65E+05
49	1.14E+05	8.30E+04	5.88E+04	3.91E+04	3.30E+05	3.10E+03	3.24E+05	1.65E+05
50	1.12E+05	8.31E+04	5.72E+04	3.91E+04	3.29E+05	3.18E+03	3.24E+05	1.65E+05
51	1.11E+05	8.32E+04	5.56E+04	3.92E+04	3.27E+05	3.27E+03	3.23E+05	1.65E+05
52	1.10E+05	8.33E+04	5.42E+04	3.92E+04	3.26E+05	3.35E+03	3.22E+05	1.64E+05
53	1.08E+05	8.33E+04	5.29E+04	3.93E+04	3.25E+05	3.44E+03	3.22E+05	1.64E+05
54	1.07E+05	8.34E+04	5.17E+04	3.93E+04	3.22E+05	3.47E+03	3.12E+05	9.78E+04
55	1.06E+05	8.35E+04	5.06E+04	3.93E+04	3.19E+05	3.50E+03	3.11E+05	9.74E+04
56	1.05E+05	8.36E+04	4.96E+04	3.94E+04	3.17E+05	3.53E+03	3.09E+05	9.70E+04
57	1.05E+05	8.36E+04	4.87E+04	3.94E+04	3.14E+05	3.57E+03	3.08E+05	9.66E+04
58	1.04E+05	8.37E+04	4.79E+04	3.95E+04	3.11E+05	3.60E+03	3.07E+05	9.62E+04
59	9.81E+04	8.38E+04	4.71E+04	3.95E+04	3.09E+05	3.63E+03	3.06E+05	9.58E+04
60	9.59E+04	8.38E+04	4.60E+04	3.96E+04	3.06E+05	3.66E+03	3.04E+05	9.54E+04
61	9.48E+04	8.39E+04	4.46E+04	3.96E+04	3.04E+05	3.69E+03	3.03E+05	9.50E+04
62	9.41E+04	8.40E+04	4.33E+04	3.97E+04	3.01E+05	3.72E+03	3.02E+05	9.46E+04
63	9.36E+04	8.40E+04	4.21E+04	3.97E+04	2.98E+05	3.75E+03	3.00E+05	9.43E+04
64	9.31E+04	8.41E+04	4.11E+04	3.97E+04	2.96E+05	3.78E+03	2.99E+05	9.39E+04
65	9.27E+04	8.41E+04	4.01E+04	3.98E+04	2.93E+05	3.80E+03	2.98E+05	9.35E+04
66	9.22E+04	8.42E+04	3.93E+04	3.98E+04	2.92E+05	3.89E+03	2.83E+05	1.53E+05
67	9.18E+04	8.42E+04	3.87E+04	3.98E+04	2.91E+05	3.97E+03	2.83E+05	1.53E+05
68	9.14E+04	8.43E+04	3.81E+04	3.99E+04	2.90E+05	4.05E+03	2.82E+05	1.53E+05
69	9.10E+04	8.43E+04	3.76E+04	3.99E+04	2.88E+05	4.13E+03	2.81E+05	1.52E+05
168	4.20E+04	8.31E+04	3.98E+04	4.33E+04	1.50E+05	1.02E+04	1.66E+05	1.14E+05
336	2.22E+04	7.04E+04	2.12E+04	4.63E+04	6.32E+04	1.75E+04	9.68E+04	8.56E+04
504	1.65E+04	5.88E+04	1.47E+04	4.82E+04	3.13E+04	2.15E+04	4.35E+04	5.78E+04
720	1.21E+04	4.65E+04	9.87E+03	4.99E+04	1.59E+04	2.37E+04	2.18E+04	4.04E+04
2160	2.28E+03	9.34E+03	1.12E+03	5.31E+04	1.44E+03	1.39E+04	5.00E+03	1.40E+04
4320	2.19E+02	8.52E+02	5.60E+03	5.04E+04	2.46E+02	3.33E+03	6.19E+02	2.23E+03
4800	1.30E+02	5.02E+02	5.59E+03	5.02E+04	1.79E+02	2.40E+03	2.10E+02	7.35E+02
8760	1.79E+00	6.59E+00	5.44E+03	4.89E+04	1.49E+01	1.61E+02	6.60E+01	2.18E+02
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

Foodstuff Concentrations and Relocation Considerations Following
a Tritium Oxide Release from SRS Tritium Facilities (U)

WSRC-TR-99-00118

1/3/5/6	9.48E+06	4.33E+04	4.26E+06	2.08E+04	4.24E+05	3.64E+02	4.08E+05	1.27E+05
SUM	9.53E+06		4.28E+06		4.25E+05		5.35E+05	
Ci/g	2.57E-04		1.16E-04		1.15E-05		1.45E-05	
DIL HTO (Ci/g)	5.9E-09							
168	4.20E+04	8.31E+04	3.98E+04	4.33E+04	1.50E+05	1.02E+04	1.66E+05	1.14E+05
SUM	1.25E+05		8.31E+04		1.60E+05		2.80E+05	
Ci/g	3.38E-06		2.24E-06		4.33E-06		7.57E-06	
DIL OBT Ci/g	2.4E-09							
8760	1.79E+00	6.59E+00	5.44E+03	4.89E+04	1.49E+01	1.61E+02	6.60E+01	2.18E+02
SUM	8.38E+00		5.44E+04		1.76E+02		2.84E+02	
Ci/g	2.27E-10		1.47E-06		4.77E-09		7.67E-09	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 10 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	4.87E+05	1.85E+03	1.14E+05	3.83E+02	9.17E+03	1.88E+00	1.11E+03	4.81E+02
2	3.40E+05	3.17E+03	2.03E+05	7.97E+02	1.66E+04	5.33E+00	2.78E+03	1.21E+03
3	1.72E+05	3.76E+03	2.40E+05	1.12E+03	2.09E+04	9.71E+00	4.53E+03	1.98E+03
4	1.00E+05	4.06E+03	2.44E+05	1.37E+03	2.35E+04	1.46E+01	6.18E+03	2.71E+03
5	6.80E+04	4.23E+03	2.29E+05	1.56E+03	2.50E+04	1.99E+01	7.68E+03	3.37E+03
6	5.23E+04	4.34E+03	2.06E+05	1.71E+03	2.48E+04	2.26E+01	2.40E+04	7.48E+03
7	4.39E+04	4.43E+03	1.80E+05	1.82E+03	2.46E+04	2.52E+01	2.39E+04	7.45E+03
8	3.90E+04	4.50E+03	1.54E+05	1.91E+03	2.44E+04	2.78E+01	2.38E+04	7.43E+03
9	3.57E+04	4.56E+03	1.30E+05	1.99E+03	2.42E+04	3.04E+01	2.37E+04	7.40E+03
10	3.34E+04	4.62E+03	1.10E+05	2.04E+03	2.40E+04	3.29E+01	2.37E+04	7.37E+03
11	3.16E+04	4.67E+03	9.17E+04	2.09E+03	2.38E+04	3.55E+01	2.36E+04	7.34E+03
12	3.01E+04	4.72E+03	7.68E+04	2.13E+03	2.36E+04	3.80E+01	2.35E+04	7.31E+03
13	2.89E+04	4.76E+03	6.45E+04	2.17E+03	2.35E+04	4.05E+01	2.34E+04	7.28E+03
14	2.77E+04	4.81E+03	5.45E+04	2.20E+03	2.33E+04	4.30E+01	2.33E+04	7.25E+03
15	2.67E+04	4.85E+03	4.64E+04	2.22E+03	2.31E+04	4.54E+01	2.32E+04	7.23E+03
16	2.58E+04	4.89E+03	3.99E+04	2.25E+03	2.29E+04	4.79E+01	2.31E+04	7.20E+03
17	2.49E+04	4.93E+03	3.47E+04	2.27E+03	2.27E+04	5.03E+01	2.30E+04	7.17E+03
18	2.41E+04	4.97E+03	3.05E+04	2.29E+03	2.28E+04	5.59E+01	2.21E+04	1.08E+04
19	2.33E+04	5.00E+03	2.72E+04	2.31E+03	2.29E+04	6.15E+01	2.22E+04	1.08E+04
20	2.26E+04	5.04E+03	2.44E+04	2.32E+03	2.30E+04	6.72E+01	2.22E+04	1.08E+04
21	2.20E+04	5.07E+03	2.22E+04	2.34E+03	2.31E+04	7.29E+01	2.22E+04	1.09E+04
22	2.13E+04	5.10E+03	2.04E+04	2.36E+03	2.31E+04	7.86E+01	2.23E+04	1.09E+04
23	2.07E+04	5.13E+03	1.89E+04	2.37E+03	2.32E+04	8.43E+01	2.23E+04	1.09E+04
24	2.01E+04	5.16E+03	1.77E+04	2.39E+03	2.32E+04	9.00E+01	2.23E+04	1.09E+04
25	1.96E+04	5.19E+03	1.66E+04	2.40E+03	2.33E+04	9.58E+01	2.24E+04	1.09E+04
26	1.90E+04	5.22E+03	1.57E+04	2.41E+03	2.33E+04	1.02E+02	2.24E+04	1.10E+04
27	1.85E+04	5.24E+03	1.49E+04	2.43E+03	2.34E+04	1.07E+02	2.24E+04	1.10E+04
28	1.80E+04	5.27E+03	1.42E+04	2.44E+03	2.34E+04	1.13E+02	2.24E+04	1.10E+04
29	1.75E+04	5.29E+03	1.36E+04	2.45E+03	2.34E+04	1.19E+02	2.25E+04	1.10E+04
30	1.71E+04	5.32E+03	1.31E+04	2.46E+03	2.32E+04	1.21E+02	2.25E+04	7.02E+03
31	1.66E+04	5.34E+03	1.26E+04	2.47E+03	2.30E+04	1.24E+02	2.24E+04	6.99E+03
32	1.61E+04	5.36E+03	1.21E+04	2.48E+03	2.28E+04	1.26E+02	2.23E+04	6.97E+03
33	1.57E+04	5.38E+03	1.16E+04	2.49E+03	2.26E+04	1.28E+02	2.22E+04	6.94E+03
34	1.52E+04	5.40E+03	1.12E+04	2.50E+03	2.24E+04	1.31E+02	2.21E+04	6.91E+03
35	1.48E+04	5.42E+03	1.08E+04	2.51E+03	2.23E+04	1.33E+02	2.20E+04	6.88E+03
36	1.44E+04	5.44E+03	1.05E+04	2.52E+03	2.21E+04	1.35E+02	2.19E+04	6.85E+03
37	1.41E+04	5.46E+03	1.01E+04	2.53E+03	2.19E+04	1.38E+02	2.19E+04	6.83E+03
38	1.37E+04	5.48E+03	9.75E+03	2.54E+03	2.17E+04	1.40E+02	2.18E+04	6.80E+03

39	1.34E+04	5.49E+03	9.43E+03	2.55E+03	2.15E+04	1.42E+02	2.17E+04	6.77E+03
40	1.31E+04	5.51E+03	9.12E+03	2.56E+03	2.14E+04	1.44E+02	2.16E+04	6.75E+03
41	1.28E+04	5.52E+03	8.83E+03	2.57E+03	2.12E+04	1.46E+02	2.15E+04	6.72E+03
42	1.25E+04	5.54E+03	8.55E+03	2.57E+03	2.12E+04	1.52E+02	2.05E+04	1.07E+04
43	1.23E+04	5.55E+03	8.29E+03	2.58E+03	2.11E+04	1.58E+02	2.05E+04	1.07E+04
44	1.20E+04	5.57E+03	8.03E+03	2.59E+03	2.11E+04	1.64E+02	2.05E+04	1.07E+04
45	1.18E+04	5.58E+03	7.80E+03	2.59E+03	2.11E+04	1.69E+02	2.05E+04	1.07E+04
46	1.15E+04	5.59E+03	7.57E+03	2.60E+03	2.10E+04	1.75E+02	2.05E+04	1.07E+04
47	1.13E+04	5.61E+03	7.35E+03	2.61E+03	2.10E+04	1.81E+02	2.04E+04	1.07E+04
48	1.10E+04	5.62E+03	7.15E+03	2.62E+03	2.10E+04	1.86E+02	2.04E+04	1.07E+04
49	1.08E+04	5.63E+03	6.94E+03	2.62E+03	2.09E+04	1.92E+02	2.04E+04	1.07E+04
50	1.06E+04	5.64E+03	6.75E+03	2.63E+03	2.09E+04	1.98E+02	2.04E+04	1.07E+04
51	1.04E+04	5.65E+03	6.56E+03	2.63E+03	2.08E+04	2.03E+02	2.04E+04	1.07E+04
52	1.02E+04	5.66E+03	6.38E+03	2.64E+03	2.08E+04	2.09E+02	2.03E+04	1.07E+04
53	1.01E+04	5.67E+03	6.22E+03	2.65E+03	2.07E+04	2.15E+02	2.03E+04	1.07E+04
54	9.94E+03	5.69E+03	6.06E+03	2.65E+03	2.05E+04	2.17E+02	1.99E+04	6.24E+03
55	9.81E+03	5.69E+03	5.91E+03	2.66E+03	2.04E+04	2.19E+02	1.98E+04	6.22E+03
56	9.68E+03	5.70E+03	5.77E+03	2.66E+03	2.02E+04	2.21E+02	1.97E+04	6.19E+03
57	9.55E+03	5.71E+03	5.65E+03	2.67E+03	2.00E+04	2.23E+02	1.97E+04	6.17E+03
58	9.43E+03	5.72E+03	5.53E+03	2.67E+03	1.99E+04	2.25E+02	1.96E+04	6.14E+03
59	9.26E+03	5.73E+03	5.41E+03	2.68E+03	1.97E+04	2.27E+02	1.95E+04	6.12E+03
60	9.12E+03	5.74E+03	5.30E+03	2.68E+03	1.95E+04	2.29E+02	1.94E+04	6.09E+03
61	9.01E+03	5.75E+03	5.19E+03	2.69E+03	1.94E+04	2.31E+02	1.93E+04	6.07E+03
62	8.84E+03	5.76E+03	5.08E+03	2.69E+03	1.92E+04	2.32E+02	1.93E+04	6.04E+03
63	8.65E+03	5.76E+03	4.98E+03	2.70E+03	1.91E+04	2.34E+02	1.92E+04	6.02E+03
64	8.52E+03	5.77E+03	4.87E+03	2.70E+03	1.89E+04	2.36E+02	1.91E+04	5.99E+03
65	8.43E+03	5.78E+03	4.76E+03	2.71E+03	1.87E+04	2.38E+02	1.90E+04	5.97E+03
66	8.34E+03	5.79E+03	4.65E+03	2.71E+03	1.87E+04	2.43E+02	1.81E+04	1.01E+04
67	8.26E+03	5.79E+03	4.55E+03	2.71E+03	1.86E+04	2.49E+02	1.81E+04	1.01E+04
68	8.19E+03	5.80E+03	4.46E+03	2.72E+03	1.86E+04	2.54E+02	1.81E+04	1.01E+04
69	8.12E+03	5.81E+03	4.38E+03	2.72E+03	1.85E+04	2.60E+02	1.80E+04	1.01E+04
168	2.89E+03	5.82E+03	2.80E+03	3.01E+03	1.00E+04	6.73E+02	1.10E+04	7.81E+03
336	1.50E+03	4.92E+03	1.47E+03	3.22E+03	4.28E+03	1.19E+03	6.51E+03	5.90E+03
504	1.12E+03	4.11E+03	1.01E+03	3.35E+03	2.14E+03	1.47E+03	2.96E+03	4.01E+03
720	8.14E+02	3.24E+03	6.80E+02	3.47E+03	1.10E+03	1.63E+03	1.49E+03	2.81E+03
2160	1.53E+02	6.45E+02	7.68E+01	3.69E+03	9.83E+01	9.57E+02	3.44E+02	9.73E+02
4320	1.47E+01	5.83E+01	3.86E+02	3.50E+03	1.66E+01	2.30E+02	4.21E+01	1.53E+02
4800	8.76E+00	3.43E+01	3.85E+02	3.49E+03	1.21E+01	1.65E+02	1.42E+01	5.04E+01
8760	1.20E-01	4.46E-01	3.75E+02	3.40E+03	1.00E+00	1.11E+01	4.44E+00	1.49E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

1/4/6/6	4.87E+05	1.85E+03	2.44E+05	1.37E+03	2.48E+04	2.26E+01	2.40E+04	7.48E+03
SUM	4.88E+05		2.45E+05		2.48E+04		3.15E+04	
Ci/g	1.32E-05		6.62E-06		6.70E-07		8.51E-07	
DIL HTO	5.9E-09							
(Ci/g)								
168	2.89E+03	5.82E+03	2.80E+03	3.01E+03	1.00E+04	6.73E+02	1.10E+04	7.81E+03
SUM	8.72E+03		5.81E+03		1.07E+04		1.89E+04	
Ci/g	2.36E-07		1.57E-07		2.89E-07		5.10E-07	
DIL OBT	2.4E-09							
Ci/g								
8760	1.20E-01	4.46E-01	3.75E+02	3.40E+03	1.00E+00	1.11E+01	4.44E+00	1.49E+01
SUM	5.67E-01		3.78E+03		1.21E+01		1.93E+01	
Ci/g	1.53E-11		1.02E-07		3.26E-10		5.23E-10	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 11.54 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	2.63E+05	6.83E+02	4.20E+04	1.41E+02	3.44E+03	6.98E-01	4.17E+02	1.79E+02
2	4.89E+05	2.53E+03	1.58E+05	5.74E+02	1.29E+04	3.35E+00	1.76E+03	7.62E+02
3	2.50E+05	3.39E+03	2.16E+05	9.26E+02	1.83E+04	7.18E+00	3.36E+03	1.46E+03
4	1.45E+05	3.82E+03	2.36E+05	1.21E+03	2.17E+04	1.17E+01	4.96E+03	2.17E+03
5	9.70E+04	4.07E+03	2.32E+05	1.42E+03	2.38E+04	1.67E+01	6.47E+03	2.84E+03
6	7.32E+04	4.23E+03	2.16E+05	1.60E+03	2.36E+04	1.93E+01	2.29E+04	7.12E+03
7	6.04E+04	4.36E+03	1.93E+05	1.73E+03	2.34E+04	2.18E+01	2.28E+04	7.10E+03
8	5.29E+04	4.46E+03	1.69E+05	1.84E+03	2.32E+04	2.42E+01	2.27E+04	7.07E+03
9	4.81E+04	4.54E+03	1.46E+05	1.93E+03	2.31E+04	2.67E+01	2.26E+04	7.04E+03
10	4.46E+04	4.62E+03	1.25E+05	2.00E+03	2.29E+04	2.92E+01	2.25E+04	7.02E+03
11	4.20E+04	4.69E+03	1.06E+05	2.06E+03	2.27E+04	3.16E+01	2.24E+04	6.99E+03
12	3.99E+04	4.76E+03	9.03E+04	2.11E+03	2.25E+04	3.40E+01	2.24E+04	6.97E+03
13	3.81E+04	4.82E+03	7.71E+04	2.16E+03	2.24E+04	3.64E+01	2.23E+04	6.94E+03
14	3.66E+04	4.88E+03	6.63E+04	2.20E+03	2.22E+04	3.87E+01	2.22E+04	6.91E+03
15	3.52E+04	4.94E+03	5.73E+04	2.23E+03	2.20E+04	4.11E+01	2.21E+04	6.89E+03
16	3.39E+04	5.00E+03	5.00E+04	2.27E+03	2.18E+04	4.34E+01	2.20E+04	6.86E+03
17	3.27E+04	5.05E+03	4.41E+04	2.29E+03	2.17E+04	4.57E+01	2.19E+04	6.83E+03
18	3.16E+04	5.10E+03	3.93E+04	2.32E+03	2.19E+04	5.13E+01	2.12E+04	1.06E+04
19	3.06E+04	5.15E+03	3.54E+04	2.35E+03	2.21E+04	5.69E+01	2.13E+04	1.06E+04
20	2.96E+04	5.19E+03	3.21E+04	2.37E+03	2.22E+04	6.26E+01	2.14E+04	1.07E+04
21	2.87E+04	5.24E+03	2.95E+04	2.39E+03	2.24E+04	6.84E+01	2.15E+04	1.07E+04
22	2.78E+04	5.28E+03	2.73E+04	2.42E+03	2.25E+04	7.41E+01	2.15E+04	1.08E+04
23	2.70E+04	5.32E+03	2.54E+04	2.44E+03	2.27E+04	7.99E+01	2.16E+04	1.08E+04
24	2.62E+04	5.36E+03	2.39E+04	2.46E+03	2.28E+04	8.57E+01	2.17E+04	1.08E+04
25	2.54E+04	5.40E+03	2.25E+04	2.47E+03	2.29E+04	9.16E+01	2.18E+04	1.09E+04
26	2.47E+04	5.44E+03	2.14E+04	2.49E+03	2.30E+04	9.75E+01	2.18E+04	1.09E+04
27	2.39E+04	5.48E+03	2.03E+04	2.51E+03	2.31E+04	1.03E+02	2.19E+04	1.09E+04
28	2.32E+04	5.51E+03	1.94E+04	2.53E+03	2.32E+04	1.09E+02	2.19E+04	1.10E+04
29	2.26E+04	5.54E+03	1.86E+04	2.54E+03	2.33E+04	1.15E+02	2.20E+04	1.10E+04
30	2.19E+04	5.58E+03	1.78E+04	2.56E+03	2.31E+04	1.18E+02	2.24E+04	6.99E+03
31	2.13E+04	5.61E+03	1.71E+04	2.57E+03	2.29E+04	1.20E+02	2.23E+04	6.96E+03
32	2.06E+04	5.64E+03	1.65E+04	2.59E+03	2.27E+04	1.22E+02	2.22E+04	6.94E+03
33	2.01E+04	5.67E+03	1.59E+04	2.60E+03	2.25E+04	1.25E+02	2.21E+04	6.91E+03
34	1.94E+04	5.69E+03	1.53E+04	2.62E+03	2.24E+04	1.27E+02	2.20E+04	6.88E+03
35	1.77E+04	5.72E+03	1.47E+04	2.63E+03	2.22E+04	1.29E+02	2.19E+04	6.85E+03
36	1.68E+04	5.74E+03	1.41E+04	2.64E+03	2.20E+04	1.32E+02	2.19E+04	6.83E+03
37	1.62E+04	5.76E+03	1.34E+04	2.65E+03	2.18E+04	1.34E+02	2.18E+04	6.80E+03
38	1.57E+04	5.79E+03	1.27E+04	2.67E+03	2.16E+04	1.36E+02	2.17E+04	6.77E+03

39	1.52E+04	5.80E+03	1.21E+04	2.68E+03	2.15E+04	1.38E+02	2.16E+04	6.75E+03
40	1.48E+04	5.82E+03	1.15E+04	2.69E+03	2.13E+04	1.41E+02	2.15E+04	6.72E+03
41	1.45E+04	5.84E+03	1.10E+04	2.70E+03	2.11E+04	1.43E+02	2.14E+04	6.69E+03
42	1.41E+04	5.86E+03	1.05E+04	2.70E+03	2.11E+04	1.49E+02	2.05E+04	1.09E+04
43	1.37E+04	5.88E+03	1.01E+04	2.71E+03	2.11E+04	1.55E+02	2.04E+04	1.09E+04
44	1.34E+04	5.89E+03	9.64E+03	2.72E+03	2.11E+04	1.60E+02	2.04E+04	1.09E+04
45	1.31E+04	5.91E+03	9.27E+03	2.73E+03	2.11E+04	1.66E+02	2.04E+04	1.09E+04
46	1.28E+04	5.92E+03	8.92E+03	2.74E+03	2.10E+04	1.72E+02	2.04E+04	1.09E+04
47	1.25E+04	5.94E+03	8.60E+03	2.75E+03	2.10E+04	1.78E+02	2.04E+04	1.09E+04
48	1.13E+04	5.95E+03	8.30E+03	2.75E+03	2.10E+04	1.84E+02	2.04E+04	1.09E+04
49	1.04E+04	5.96E+03	7.92E+03	2.76E+03	2.10E+04	1.90E+02	2.04E+04	1.09E+04
50	1.00E+04	5.97E+03	7.49E+03	2.77E+03	2.09E+04	1.96E+02	2.04E+04	1.09E+04
51	9.77E+03	5.98E+03	7.05E+03	2.77E+03	2.09E+04	2.02E+02	2.04E+04	1.09E+04
52	9.61E+03	5.99E+03	6.65E+03	2.78E+03	2.08E+04	2.08E+02	2.03E+04	1.09E+04
53	9.48E+03	6.00E+03	6.28E+03	2.78E+03	2.07E+04	2.13E+02	2.03E+04	1.09E+04
54	9.36E+03	6.01E+03	5.96E+03	2.79E+03	2.06E+04	2.15E+02	1.99E+04	6.25E+03
55	9.25E+03	6.02E+03	5.68E+03	2.79E+03	2.04E+04	2.18E+02	1.99E+04	6.22E+03
56	9.15E+03	6.03E+03	5.44E+03	2.80E+03	2.02E+04	2.20E+02	1.98E+04	6.20E+03
57	9.05E+03	6.03E+03	5.24E+03	2.80E+03	2.01E+04	2.22E+02	1.97E+04	6.17E+03
58	8.95E+03	6.04E+03	5.06E+03	2.81E+03	1.99E+04	2.24E+02	1.96E+04	6.15E+03
59	8.81E+03	6.05E+03	4.91E+03	2.81E+03	1.97E+04	2.25E+02	1.95E+04	6.12E+03
60	8.70E+03	6.06E+03	4.77E+03	2.82E+03	1.96E+04	2.27E+02	1.95E+04	6.10E+03
61	8.61E+03	6.06E+03	4.65E+03	2.82E+03	1.94E+04	2.29E+02	1.94E+04	6.07E+03
62	8.48E+03	6.07E+03	4.54E+03	2.82E+03	1.92E+04	2.31E+02	1.93E+04	6.05E+03
63	8.33E+03	6.08E+03	4.43E+03	2.83E+03	1.91E+04	2.33E+02	1.92E+04	6.02E+03
64	8.23E+03	6.08E+03	4.33E+03	2.83E+03	1.89E+04	2.35E+02	1.91E+04	6.00E+03
65	8.16E+03	6.09E+03	4.24E+03	2.84E+03	1.88E+04	2.37E+02	1.91E+04	5.98E+03
66	8.09E+03	6.10E+03	4.15E+03	2.84E+03	1.87E+04	2.43E+02	1.81E+04	1.03E+04
67	8.03E+03	6.10E+03	4.07E+03	2.84E+03	1.87E+04	2.48E+02	1.81E+04	1.03E+04
68	7.97E+03	6.11E+03	4.00E+03	2.85E+03	1.86E+04	2.54E+02	1.81E+04	1.03E+04
69	7.91E+03	6.12E+03	3.93E+03	2.85E+03	1.85E+04	2.60E+02	1.81E+04	1.03E+04
168	3.07E+03	6.11E+03	2.98E+03	3.14E+03	1.01E+04	6.87E+02	1.11E+04	8.05E+03
336	1.58E+03	5.16E+03	1.55E+03	3.36E+03	4.40E+03	1.23E+03	6.63E+03	6.13E+03
504	1.17E+03	4.31E+03	1.07E+03	3.50E+03	2.23E+03	1.53E+03	3.06E+03	4.19E+03
720	8.50E+02	3.40E+03	7.18E+02	3.62E+03	1.15E+03	1.69E+03	1.56E+03	2.94E+03
2160	1.60E+02	6.75E+02	8.09E+01	3.86E+03	1.03E+02	9.99E+02	3.60E+02	1.02E+03
4320	1.54E+01	6.09E+01	4.07E+02	3.66E+03	1.72E+01	2.40E+02	4.37E+01	1.60E+02
4800	9.13E+00	3.58E+01	4.06E+02	3.65E+03	1.25E+01	1.72E+02	1.47E+01	5.25E+01
8760	1.26E-01	4.66E-01	3.95E+02	3.55E+03	1.03E+00	1.15E+01	4.60E+00	1.55E+01
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

2/4/6/6	4.89E+05	2.53E+03	2.36E+05	1.21E+03	2.36E+04	1.93E+01	2.29E+04	7.12E+03
SUM	4.92E+05		2.37E+05		2.36E+04		3.00E+04	
Ci/g	1.33E-05		6.41E-06		6.38E-07		8.11E-07	
DIL HTO	5.9E-09							
(Ci/g)								
168	3.07E+03	6.11E+03	2.98E+03	3.14E+03	1.01E+04	6.87E+02	1.11E+04	8.05E+03
SUM	9.17E+03		6.12E+03		1.08E+04		1.92E+04	
Ci/g	2.48E-07		1.65E-07		2.92E-07		5.18E-07	
DIL OBT	2.4E-09							
Ci/g								
8760	1.26E-01	4.66E-01	3.95E+02	3.55E+03	1.03E+00	1.15E+01	4.60E+00	1.55E+01
SUM	5.91E-01		3.95E+03		1.26E+01		2.01E+01	
Ci/g	1.60E-11		1.07E-07		3.40E-10		5.43E-10	
DIL OBT	2.4E-09							
Ci/g								

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 50 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	1.39E+04	0.00E+00	0.00E+00	0.00E+00	1.04E+01	1.11E-03	1.25E+00	3.90E-01
2	2.18E+04	2.44E+01	1.40E+03	4.71E+00	1.32E+02	2.70E-02	1.53E+01	6.35E+00
3	3.26E+04	6.26E+01	3.70E+03	1.38E+01	3.39E+02	9.55E-02	4.67E+01	1.98E+01
4	3.21E+04	1.32E+02	7.88E+03	3.15E+01	7.06E+02	2.41E-01	1.05E+02	4.50E+01
5	1.44E+05	7.67E+02	4.71E+04	1.71E+02	3.87E+03	1.04E+00	4.08E+02	1.77E+02
6	7.36E+04	1.06E+03	6.78E+04	2.87E+02	3.87E+03	1.45E+00	3.75E+03	1.17E+03
7	3.77E+04	1.19E+03	7.42E+04	3.76E+02	3.84E+03	1.87E+00	3.73E+03	1.16E+03
8	2.36E+04	1.25E+03	7.25E+04	4.43E+02	3.82E+03	2.28E+00	3.72E+03	1.16E+03
9	1.78E+04	1.29E+03	6.66E+04	4.94E+02	3.79E+03	2.68E+00	3.71E+03	1.16E+03
10	1.50E+04	1.32E+03	5.90E+04	5.34E+02	3.76E+03	3.08E+00	3.70E+03	1.15E+03
11	1.36E+04	1.35E+03	5.11E+04	5.66E+02	3.74E+03	3.48E+00	3.68E+03	1.15E+03
12	1.27E+04	1.37E+03	4.36E+04	5.91E+02	3.71E+03	3.88E+00	3.67E+03	1.14E+03
13	1.20E+04	1.39E+03	3.69E+04	6.11E+02	3.68E+03	4.27E+00	3.66E+03	1.14E+03
14	1.15E+04	1.41E+03	3.12E+04	6.28E+02	3.66E+03	4.66E+00	3.65E+03	1.14E+03
15	1.10E+04	1.43E+03	2.63E+04	6.43E+02	3.63E+03	5.05E+00	3.63E+03	1.13E+03
16	1.07E+04	1.45E+03	2.23E+04	6.55E+02	3.60E+03	5.43E+00	3.62E+03	1.13E+03
17	1.03E+04	1.46E+03	1.90E+04	6.66E+02	3.58E+03	5.82E+00	3.61E+03	1.12E+03
18	9.99E+03	1.48E+03	1.64E+04	6.76E+02	3.67E+03	7.16E+00	3.55E+03	2.27E+03
19	9.70E+03	1.49E+03	1.42E+04	6.85E+02	3.75E+03	8.52E+00	3.60E+03	2.28E+03
20	9.42E+03	1.51E+03	1.25E+04	6.93E+02	3.84E+03	9.90E+00	3.64E+03	2.30E+03
21	9.16E+03	1.52E+03	1.11E+04	7.01E+02	3.92E+03	1.13E+01	3.68E+03	2.32E+03
22	8.92E+03	1.54E+03	1.00E+04	7.08E+02	3.99E+03	1.27E+01	3.71E+03	2.34E+03
23	8.68E+03	1.55E+03	9.13E+03	7.15E+02	4.06E+03	1.41E+01	3.75E+03	2.35E+03
24	8.45E+03	1.56E+03	8.40E+03	7.21E+02	4.13E+03	1.56E+01	3.79E+03	2.37E+03
25	8.24E+03	1.58E+03	7.80E+03	7.27E+02	4.19E+03	1.70E+01	3.82E+03	2.39E+03
26	8.03E+03	1.59E+03	7.31E+03	7.33E+02	4.25E+03	1.85E+01	3.86E+03	2.40E+03
27	7.82E+03	1.60E+03	6.89E+03	7.39E+02	4.31E+03	2.00E+01	3.89E+03	2.41E+03
28	7.62E+03	1.61E+03	6.54E+03	7.45E+02	4.37E+03	2.14E+01	3.92E+03	2.43E+03
29	7.43E+03	1.62E+03	6.23E+03	7.50E+02	4.42E+03	2.29E+01	3.95E+03	2.44E+03
30	7.24E+03	1.63E+03	5.97E+03	7.56E+02	4.38E+03	2.34E+01	4.25E+03	1.33E+03
31	7.05E+03	1.65E+03	5.73E+03	7.61E+02	4.35E+03	2.38E+01	4.23E+03	1.32E+03
32	6.86E+03	1.66E+03	5.52E+03	7.66E+02	4.32E+03	2.43E+01	4.22E+03	1.32E+03
33	6.69E+03	1.67E+03	5.32E+03	7.70E+02	4.28E+03	2.47E+01	4.20E+03	1.31E+03
34	6.51E+03	1.67E+03	5.13E+03	7.75E+02	4.25E+03	2.52E+01	4.18E+03	1.31E+03
35	6.32E+03	1.68E+03	4.96E+03	7.79E+02	4.21E+03	2.56E+01	4.17E+03	1.30E+03
36	6.14E+03	1.69E+03	4.80E+03	7.84E+02	4.18E+03	2.60E+01	4.15E+03	1.30E+03
37	5.98E+03	1.70E+03	4.64E+03	7.88E+02	4.15E+03	2.65E+01	4.13E+03	1.29E+03
38	5.82E+03	1.71E+03	4.49E+03	7.92E+02	4.11E+03	2.69E+01	4.12E+03	1.29E+03

39	5.68E+03	1.72E+03	4.34E+03	7.96E+02	4.08E+03	2.73E+01	4.10E+03	1.28E+03
40	5.54E+03	1.73E+03	4.21E+03	8.00E+02	4.05E+03	2.77E+01	4.09E+03	1.28E+03
41	5.40E+03	1.73E+03	4.07E+03	8.03E+02	4.02E+03	2.81E+01	4.07E+03	1.27E+03
42	5.27E+03	1.74E+03	3.95E+03	8.07E+02	4.05E+03	2.97E+01	3.92E+03	2.58E+03
43	5.15E+03	1.75E+03	3.82E+03	8.10E+02	4.07E+03	3.12E+01	3.94E+03	2.58E+03
44	5.03E+03	1.75E+03	3.71E+03	8.14E+02	4.10E+03	3.27E+01	3.95E+03	2.59E+03
45	4.91E+03	1.76E+03	3.60E+03	8.17E+02	4.13E+03	3.43E+01	3.96E+03	2.59E+03
46	4.80E+03	1.77E+03	3.49E+03	8.20E+02	4.15E+03	3.58E+01	3.97E+03	2.60E+03
47	4.70E+03	1.77E+03	3.39E+03	8.23E+02	4.17E+03	3.74E+01	3.99E+03	2.61E+03
48	4.58E+03	1.78E+03	3.29E+03	8.26E+02	4.19E+03	3.89E+01	4.00E+03	2.61E+03
49	4.45E+03	1.78E+03	3.19E+03	8.29E+02	4.21E+03	4.05E+01	4.01E+03	2.62E+03
50	4.35E+03	1.79E+03	3.10E+03	8.32E+02	4.23E+03	4.20E+01	4.02E+03	2.62E+03
51	4.25E+03	1.79E+03	3.01E+03	8.35E+02	4.25E+03	4.36E+01	4.03E+03	2.62E+03
52	4.17E+03	1.80E+03	2.92E+03	8.37E+02	4.26E+03	4.52E+01	4.04E+03	2.63E+03
53	4.09E+03	1.80E+03	2.83E+03	8.40E+02	4.27E+03	4.67E+01	4.05E+03	2.63E+03
54	4.02E+03	1.81E+03	2.75E+03	8.43E+02	4.24E+03	4.72E+01	4.11E+03	1.29E+03
55	3.96E+03	1.81E+03	2.68E+03	8.45E+02	4.20E+03	4.76E+01	4.09E+03	1.28E+03
56	3.89E+03	1.82E+03	2.61E+03	8.47E+02	4.17E+03	4.80E+01	4.08E+03	1.28E+03
57	3.83E+03	1.82E+03	2.54E+03	8.50E+02	4.14E+03	4.84E+01	4.06E+03	1.27E+03
58	3.78E+03	1.83E+03	2.48E+03	8.52E+02	4.10E+03	4.88E+01	4.04E+03	1.27E+03
59	3.71E+03	1.83E+03	2.42E+03	8.54E+02	4.07E+03	4.92E+01	4.03E+03	1.26E+03
60	3.65E+03	1.83E+03	2.36E+03	8.57E+02	4.04E+03	4.96E+01	4.01E+03	1.26E+03
61	3.60E+03	1.84E+03	2.31E+03	8.59E+02	4.00E+03	5.00E+01	3.99E+03	1.25E+03
62	3.54E+03	1.84E+03	2.26E+03	8.61E+02	3.97E+03	5.04E+01	3.98E+03	1.25E+03
63	3.48E+03	1.85E+03	2.21E+03	8.63E+02	3.94E+03	5.08E+01	3.96E+03	1.24E+03
64	3.43E+03	1.85E+03	2.16E+03	8.65E+02	3.90E+03	5.12E+01	3.94E+03	1.24E+03
65	3.38E+03	1.85E+03	2.12E+03	8.67E+02	3.87E+03	5.15E+01	3.93E+03	1.23E+03
66	3.34E+03	1.86E+03	2.07E+03	8.69E+02	3.88E+03	5.31E+01	3.76E+03	2.60E+03
67	3.30E+03	1.86E+03	2.03E+03	8.71E+02	3.89E+03	5.46E+01	3.77E+03	2.60E+03
68	3.26E+03	1.86E+03	1.99E+03	8.72E+02	3.90E+03	5.62E+01	3.77E+03	2.61E+03
69	3.23E+03	1.87E+03	1.95E+03	8.74E+02	3.90E+03	5.78E+01	3.77E+03	2.61E+03
168	9.43E+02	1.93E+03	9.44E+02	9.96E+02	2.55E+03	1.81E+02	2.73E+03	2.30E+03
336	4.69E+02	1.62E+03	4.76E+02	1.07E+03	1.22E+03	3.51E+02	1.75E+03	1.83E+03
504	3.45E+02	1.35E+03	3.27E+02	1.11E+03	6.55E+02	4.48E+02	8.74E+02	1.29E+03
720	2.51E+02	1.06E+03	2.19E+02	1.15E+03	3.49E+02	5.04E+02	4.67E+02	9.15E+02
2160	4.70E+01	2.08E+02	2.46E+01	1.22E+03	3.11E+01	3.04E+02	1.11E+02	3.16E+02
4320	4.52E+00	1.84E+01	1.24E+02	1.16E+03	5.11E+00	7.29E+01	1.31E+01	4.88E+01
4800	2.69E+00	1.08E+01	1.23E+02	1.15E+03	3.71E+00	5.25E+01	4.36E+00	1.59E+01
8760	3.69E-02	1.38E-01	1.20E+02	1.12E+03	3.03E-01	3.49E+00	1.36E+00	4.67E+00
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

5/11/29/30	1.44E+05	7.67E+02	7.25E+04	4.43E+02	4.42E+03	2.29E+01	4.25E+03	1.33E+03
SUM	1.45E+05		7.29E+04		4.44E+03		5.58E+03	
Ci/g	3.92E-06		1.97E-06		1.20E-07		1.51E-07	
DIL HTO (Ci/g)	5.9E-09							
168	9.43E+02	1.93E+03	9.44E+02	9.96E+02	2.55E+03	1.81E+02	2.73E+03	2.30E+03
SUM	2.87E+03		1.94E+03		2.73E+03		5.03E+03	
Ci/g	7.75E-08		5.24E-08		7.38E-08		1.36E-07	
DIL OBT Ci/g	2.4E-09							
8760	3.69E-02	1.38E-01	1.20E+02	1.12E+03	3.03E-01	3.49E+00	1.36E+00	4.67E+00
SUM	1.75E-01		1.24E+03		3.79E+00		6.03E+00	
Ci/g	4.73E-12		3.36E-08		1.03E-10		1.63E-10	
DIL OBT Ci/g	2.4E-09							

Tritium Facilities, Design Basis Fire, Average Met Conditions								
Concentration Values for 100 km from release								
Only Wheat Seed is examined since this is the edible portion of the Wheat. The "WHEAT" category is actually the unedible plant body and is not considered in the dose estimate.								
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
1	2.19E+03	0.00E+00	0.00E+00	0.00E+00	1.62E+00	1.75E-04	1.97E-01	6.12E-02
2	3.98E+03	3.83E+00	2.19E+02	7.39E-01	2.11E+01	4.28E-03	2.45E+00	1.01E+00
3	6.57E+03	1.08E+01	6.36E+02	2.36E+00	5.88E+01	1.61E-02	7.91E+00	3.35E+00
4	6.98E+03	2.23E+01	1.32E+03	5.28E+00	1.20E+02	4.07E-02	1.78E+01	7.63E+00
5	1.05E+04	3.45E+01	2.03E+03	8.98E+00	1.92E+02	8.02E-02	3.18E+01	1.37E+01
6	1.02E+04	5.28E+01	3.04E+03	1.44E+01	1.95E+02	1.01E-01	1.89E+02	5.89E+01
7	1.36E+04	7.06E+01	3.98E+03	2.05E+01	2.01E+02	1.23E-01	1.92E+02	5.98E+01
8	1.45E+04	9.53E+01	5.22E+03	2.86E+01	2.07E+02	1.45E-01	1.95E+02	6.06E+01
9	3.68E+04	2.37E+02	1.38E+04	6.26E+01	2.61E+02	1.73E-01	2.09E+02	6.52E+01
10	5.65E+04	4.78E+02	2.91E+04	1.28E+02	3.39E+02	2.09E-01	2.33E+02	7.26E+01
11	2.68E+04	5.76E+02	3.53E+04	1.77E+02	3.41E+02	2.46E-01	2.49E+02	7.77E+01
12	1.56E+04	6.22E+02	3.63E+04	2.15E+02	3.42E+02	2.82E-01	2.61E+02	8.14E+01
13	1.12E+04	6.49E+02	3.44E+04	2.45E+02	3.43E+02	3.19E-01	2.70E+02	8.41E+01
14	9.23E+03	6.67E+02	3.12E+04	2.68E+02	3.43E+02	3.56E-01	2.77E+02	8.63E+01
15	8.29E+03	6.83E+02	2.74E+04	2.86E+02	3.44E+02	3.93E-01	2.83E+02	8.81E+01
16	7.75E+03	6.96E+02	2.38E+04	3.00E+02	3.44E+02	4.29E-01	2.87E+02	8.95E+01
17	7.39E+03	7.09E+02	2.04E+04	3.12E+02	3.43E+02	4.66E-01	2.91E+02	9.07E+01
18	7.13E+03	7.21E+02	1.74E+04	3.23E+02	4.32E+02	9.75E-01	4.19E+02	6.92E+02
19	6.91E+03	7.32E+02	1.49E+04	3.31E+02	5.15E+02	1.50E+00	4.59E+02	7.09E+02
20	6.72E+03	7.44E+02	1.28E+04	3.39E+02	5.92E+02	2.04E+00	4.97E+02	7.25E+02
21	6.56E+03	7.54E+02	1.11E+04	3.46E+02	6.66E+02	2.59E+00	5.34E+02	7.41E+02
22	6.41E+03	7.65E+02	9.65E+03	3.52E+02	7.37E+02	3.16E+00	5.70E+02	7.56E+02
23	6.27E+03	7.75E+02	8.52E+03	3.57E+02	8.05E+02	3.74E+00	6.05E+02	7.71E+02
24	6.14E+03	7.85E+02	7.61E+03	3.63E+02	8.70E+02	4.33E+00	6.39E+02	7.85E+02
25	6.01E+03	7.95E+02	6.87E+03	3.68E+02	9.34E+02	4.94E+00	6.72E+02	7.99E+02
26	5.89E+03	8.04E+02	6.29E+03	3.73E+02	9.95E+02	5.56E+00	7.05E+02	8.13E+02
27	5.77E+03	8.13E+02	5.81E+03	3.77E+02	1.06E+03	6.18E+00	7.37E+02	8.27E+02
28	5.66E+03	8.22E+02	5.43E+03	3.82E+02	1.11E+03	6.82E+00	7.68E+02	8.40E+02
29	5.55E+03	8.31E+02	5.11E+03	3.86E+02	1.17E+03	7.47E+00	7.98E+02	8.53E+02
30	5.44E+03	8.40E+02	4.85E+03	3.90E+02	1.16E+03	7.59E+00	1.13E+03	3.52E+02
31	5.33E+03	8.48E+02	4.64E+03	3.94E+02	1.15E+03	7.71E+00	1.12E+03	3.51E+02
32	5.22E+03	8.56E+02	4.45E+03	3.98E+02	1.15E+03	7.83E+00	1.12E+03	3.49E+02
33	5.11E+03	8.64E+02	4.29E+03	4.02E+02	1.14E+03	7.94E+00	1.11E+03	3.48E+02
34	5.00E+03	8.72E+02	4.15E+03	4.06E+02	1.13E+03	8.06E+00	1.11E+03	3.47E+02
35	4.89E+03	8.80E+02	4.02E+03	4.09E+02	1.12E+03	8.18E+00	1.11E+03	3.46E+02
36	4.78E+03	8.87E+02	3.90E+03	4.13E+02	1.11E+03	8.29E+00	1.10E+03	3.45E+02
37	4.68E+03	8.94E+02	3.79E+03	4.16E+02	1.11E+03	8.40E+00	1.10E+03	3.44E+02
38	4.57E+03	9.01E+02	3.69E+03	4.20E+02	1.10E+03	8.51E+00	1.09E+03	3.42E+02

39	4.47E+03	9.08E+02	3.59E+03	4.23E+02	1.09E+03	8.63E+00	1.09E+03	3.41E+02
40	4.37E+03	9.15E+02	3.50E+03	4.26E+02	1.08E+03	8.74E+00	1.09E+03	3.40E+02
41	4.27E+03	9.21E+02	3.41E+03	4.29E+02	1.08E+03	8.85E+00	1.08E+03	3.39E+02
42	4.18E+03	9.27E+02	3.32E+03	4.32E+02	1.12E+03	9.55E+00	1.08E+03	1.06E+03
43	4.08E+03	9.34E+02	3.23E+03	4.35E+02	1.15E+03	1.03E+01	1.10E+03	1.07E+03
44	3.99E+03	9.39E+02	3.15E+03	4.38E+02	1.19E+03	1.10E+01	1.12E+03	1.07E+03
45	3.90E+03	9.45E+02	3.07E+03	4.41E+02	1.23E+03	1.17E+01	1.14E+03	1.08E+03
46	3.82E+03	9.51E+02	2.99E+03	4.44E+02	1.26E+03	1.24E+01	1.15E+03	1.09E+03
47	3.74E+03	9.56E+02	2.92E+03	4.46E+02	1.30E+03	1.32E+01	1.17E+03	1.10E+03
48	3.65E+03	9.61E+02	2.84E+03	4.49E+02	1.33E+03	1.39E+01	1.19E+03	1.10E+03
49	3.56E+03	9.67E+02	2.77E+03	4.52E+02	1.36E+03	1.47E+01	1.20E+03	1.11E+03
50	3.48E+03	9.72E+02	2.70E+03	4.54E+02	1.39E+03	1.54E+01	1.22E+03	1.12E+03
51	3.40E+03	9.76E+02	2.63E+03	4.57E+02	1.42E+03	1.62E+01	1.24E+03	1.12E+03
52	3.33E+03	9.81E+02	2.56E+03	4.59E+02	1.45E+03	1.70E+01	1.25E+03	1.13E+03
53	3.26E+03	9.85E+02	2.49E+03	4.61E+02	1.47E+03	1.77E+01	1.27E+03	1.13E+03
54	3.20E+03	9.90E+02	2.43E+03	4.63E+02	1.46E+03	1.79E+01	1.42E+03	4.45E+02
55	3.14E+03	9.94E+02	2.37E+03	4.66E+02	1.45E+03	1.80E+01	1.41E+03	4.43E+02
56	3.09E+03	9.98E+02	2.31E+03	4.68E+02	1.44E+03	1.81E+01	1.41E+03	4.41E+02
57	3.03E+03	1.00E+03	2.25E+03	4.70E+02	1.43E+03	1.83E+01	1.40E+03	4.40E+02
58	2.98E+03	1.01E+03	2.20E+03	4.72E+02	1.42E+03	1.84E+01	1.40E+03	4.38E+02
59	2.93E+03	1.01E+03	2.15E+03	4.74E+02	1.41E+03	1.86E+01	1.39E+03	4.36E+02
60	2.88E+03	1.01E+03	2.10E+03	4.76E+02	1.40E+03	1.87E+01	1.38E+03	4.35E+02
61	2.83E+03	1.02E+03	2.05E+03	4.78E+02	1.38E+03	1.88E+01	1.38E+03	4.33E+02
62	2.78E+03	1.02E+03	2.01E+03	4.80E+02	1.37E+03	1.90E+01	1.37E+03	4.31E+02
63	2.73E+03	1.03E+03	1.97E+03	4.81E+02	1.36E+03	1.91E+01	1.37E+03	4.30E+02
64	2.69E+03	1.03E+03	1.92E+03	4.83E+02	1.35E+03	1.92E+01	1.36E+03	4.28E+02
65	2.65E+03	1.03E+03	1.88E+03	4.85E+02	1.34E+03	1.94E+01	1.36E+03	4.26E+02
66	2.61E+03	1.04E+03	1.84E+03	4.87E+02	1.36E+03	2.02E+01	1.32E+03	1.21E+03
67	2.57E+03	1.04E+03	1.81E+03	4.88E+02	1.38E+03	2.09E+01	1.33E+03	1.21E+03
68	2.54E+03	1.04E+03	1.77E+03	4.90E+02	1.40E+03	2.17E+01	1.34E+03	1.21E+03
69	2.50E+03	1.04E+03	1.74E+03	4.92E+02	1.42E+03	2.25E+01	1.35E+03	1.22E+03
168	5.43E+02	1.13E+03	5.69E+02	5.89E+02	1.24E+03	9.00E+01	1.30E+03	1.25E+03
336	2.64E+02	9.49E+02	2.79E+02	6.30E+02	6.51E+02	1.89E+02	8.93E+02	1.03E+03
504	1.93E+02	7.89E+02	1.91E+02	6.55E+02	3.65E+02	2.47E+02	4.76E+02	7.42E+02
720	1.40E+02	6.19E+02	1.27E+02	6.76E+02	2.00E+02	2.82E+02	2.64E+02	5.30E+02
2160	2.61E+01	1.20E+02	1.43E+01	7.17E+02	1.78E+01	1.73E+02	6.37E+01	1.83E+02
4320	2.51E+00	1.05E+01	7.18E+01	6.82E+02	2.88E+00	4.16E+01	7.45E+00	2.79E+01
4800	1.49E+00	6.13E+00	7.16E+01	6.80E+02	2.09E+00	2.99E+01	2.45E+00	9.02E+00
8760	2.05E-02	7.75E-02	6.98E+01	6.63E+02	1.70E-01	1.98E+00	7.62E-01	2.65E+00
DIL OBT	2.4E6 pCi/L	8.88E+4 Bq/kg	88.8 Bq/g					
DIL HTO	5.9E6 pCi/L	2.18E+5 Bq/kg	218.3 Bq/g					
	VEGETABLES		WHEAT SEED		MEAT		MILK	
HOUR	HTO	OBT	HTO	OBT	HTO	OBT	HTO	OBT
	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)	(Bq/g)
Peak HTO								

10/12/53/5 4	5.65E+04	4.78E+02	3.63E+04	2.15E+02	1.47E+03	1.77E+01	1.42E+03	4.45E+02
SUM	5.70E+04		3.65E+04		1.49E+03		1.86E+03	
Ci/g	1.54E-06		9.87E-07		4.03E-08		5.03E-08	
DIL HTO (Ci/g)	5.9E-09							
168	5.43E+02	1.13E+03	5.69E+02	5.89E+02	1.24E+03	9.00E+01	1.30E+03	1.25E+03
SUM	1.67E+03		1.16E+03		1.33E+03		2.55E+03	
Ci/g	4.51E-08		3.13E-08		3.60E-08		6.89E-08	
DIL OBT Ci/g	2.4E-09							
8760	2.05E-02	7.75E-02	6.98E+01	6.63E+02	1.70E-01	1.98E+00	7.62E-01	2.65E+00
SUM	9.80E-02		7.32E+02		2.15E+00		3.41E+00	
Ci/g	2.65E-12		1.98E-08		5.82E-11		9.22E-11	
DIL OBT Ci/g	2.4E-09							