

Dose Conversion Factor (and Related) Parameter Summary

Current Library: FGR 12

Default Library: FGR 12

0	≥		≥	Current	≥	≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥ Name
fffff	~	fffff	~	fffff	~	fffff	~
DCSF	≥	DCF's for external ground radiation, (mrem/yr)/(pCi/g)	≥		≥		≥
DCSF	≥	Ac-225 (Source: FGR 12)	≥	6.371E-02	≥	6.371E-02	≥ DCFEXT(1)
DCSF	≥	Ac-227 (Source: FGR 12)	≥	4.951E-04	≥	4.951E-04	≥ DCFEXT(2)
DCSF	≥	Ac-228 (Source: FGR 12)	≥	5.978E+00	≥	5.978E+00	≥ DCFEXT(3)
DCSF	≥	Al-26 (Source: FGR 12)	≥	1.741E+01	≥	1.741E+01	≥ DCFEXT(4)
DCSF	≥	Am-241 (Source: FGR 12)	≥	4.372E-02	≥	4.372E-02	≥ DCFEXT(5)
DCSF	≥	Am-243 (Source: FGR 12)	≥	1.420E-01	≥	1.420E-01	≥ DCFEXT(6)
DCSF	≥	At-217 (Source: FGR 12)	≥	1.773E-03	≥	1.773E-03	≥ DCFEXT(7)
DCSF	≥	At-218 (Source: FGR 12)	≥	5.847E-03	≥	5.847E-03	≥ DCFEXT(8)
DCSF	≥	Ba-137m (Source: FGR 12)	≥	3.606E+00	≥	3.606E+00	≥ DCFEXT(9)
DCSF	≥	Bi-210 (Source: FGR 12)	≥	3.606E-03	≥	3.606E-03	≥ DCFEXT(10)
DCSF	≥	Bi-211 (Source: FGR 12)	≥	2.559E-01	≥	2.559E-01	≥ DCFEXT(11)
DCSF	≥	Bi-212 (Source: FGR 12)	≥	1.171E+00	≥	1.171E+00	≥ DCFEXT(12)
DCSF	≥	Bi-213 (Source: FGR 12)	≥	7.660E-01	≥	7.660E-01	≥ DCFEXT(13)
DCSF	≥	Bi-214 (Source: FGR 12)	≥	9.808E+00	≥	9.808E+00	≥ DCFEXT(14)
DCSF	≥	Cf-249 (Source: FGR 12)	≥	1.851E+00	≥	1.851E+00	≥ DCFEXT(15)
DCSF	≥	Cf-251 (Source: FGR 12)	≥	5.268E-01	≥	5.268E-01	≥ DCFEXT(16)
DCSF	≥	Cf-252 (Source: FGR 12)	≥	1.758E-04	≥	1.758E-04	≥ DCFEXT(17)
DCSF	≥	Cl-36 (Source: FGR 12)	≥	2.391E-03	≥	2.391E-03	≥ DCFEXT(18)
DCSF	≥	Cm-245 (Source: FGR 12)	≥	3.400E-01	≥	3.400E-01	≥ DCFEXT(19)
DCSF	≥	Cm-247 (Source: FGR 12)	≥	1.780E+00	≥	1.780E+00	≥ DCFEXT(20)
DCSF	≥	Cm-248 (Source: FGR 12)	≥	8.781E-05	≥	8.781E-05	≥ DCFEXT(21)
DCSF	≥	Co-60 (Source: FGR 12)	≥	1.622E+01	≥	1.622E+01	≥ DCFEXT(22)
DCSF	≥	Cs-134 (Source: FGR 12)	≥	9.472E+00	≥	9.472E+00	≥ DCFEXT(23)
DCSF	≥	Cs-137 (Source: FGR 12)	≥	7.510E-04	≥	7.510E-04	≥ DCFEXT(24)
DCSF	≥	Eu-154 (Source: FGR 12)	≥	7.678E+00	≥	7.678E+00	≥ DCFEXT(25)
DCSF	≥	Eu-155 (Source: FGR 12)	≥	1.822E-01	≥	1.822E-01	≥ DCFEXT(26)

DCSF ≥ Fr-221	(Source: FGR 12)	≥ 1.536E-01	≥ 1.536E-01	≥ DCFEXT(27)
DCSF ≥ Fr-223	(Source: FGR 12)	≥ 1.980E-01	≥ 1.980E-01	≥ DCFEXT(28)
DCSF ≥ H-3	(Source: FGR 12)	≥ 0.000E+00	≥ 0.000E+00	≥ DCFEXT(29)
DCSF ≥ Ho-166m	(Source: FGR 12)	≥ 1.029E+01	≥ 1.029E+01	≥ DCFEXT(30)
DCSF ≥ Na-22	(Source: FGR 12)	≥ 1.368E+01	≥ 1.368E+01	≥ DCFEXT(31)
DCSF ≥ Np-237	(Source: FGR 12)	≥ 7.790E-02	≥ 7.790E-02	≥ DCFEXT(32)
DCSF ≥ Np-239	(Source: FGR 12)	≥ 7.529E-01	≥ 7.529E-01	≥ DCFEXT(33)
DCSF ≥ Np-240m	(Source: FGR 12)	≥ 2.018E+00	≥ 2.018E+00	≥ DCFEXT(34)
DCSF ≥ Pa-231	(Source: FGR 12)	≥ 1.906E-01	≥ 1.906E-01	≥ DCFEXT(35)
DCSF ≥ Pa-233	(Source: FGR 12)	≥ 1.020E+00	≥ 1.020E+00	≥ DCFEXT(36)
DCSF ≥ Pa-234	(Source: FGR 12)	≥ 1.155E+01	≥ 1.155E+01	≥ DCFEXT(37)
DCSF ≥ Pa-234m	(Source: FGR 12)	≥ 8.967E-02	≥ 8.967E-02	≥ DCFEXT(38)
DCSF ≥ Pb-209	(Source: FGR 12)	≥ 7.734E-04	≥ 7.734E-04	≥ DCFEXT(39)
DCSF ≥ Pb-210	(Source: FGR 12)	≥ 2.447E-03	≥ 2.447E-03	≥ DCFEXT(40)
DCSF ≥ Pb-211	(Source: FGR 12)	≥ 3.064E-01	≥ 3.064E-01	≥ DCFEXT(41)
DCSF ≥ Pb-212	(Source: FGR 12)	≥ 7.043E-01	≥ 7.043E-01	≥ DCFEXT(42)
DCSF ≥ Pb-214	(Source: FGR 12)	≥ 1.341E+00	≥ 1.341E+00	≥ DCFEXT(43)
DCSF ≥ Pm-147	(Source: FGR 12)	≥ 5.007E-05	≥ 5.007E-05	≥ DCFEXT(44)

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: FGR 12

Default Library: FGR 12

0	≥		≥	Current	≥		≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff
DCSF ≥ Po-210	(Source: FGR 12)		≥	5.231E-05	≥	5.231E-05	≥	DCFEXT(45)
DCSF ≥ Po-211	(Source: FGR 12)		≥	4.764E-02	≥	4.764E-02	≥	DCFEXT(46)
DCSF ≥ Po-212	(Source: FGR 12)		≥	0.000E+00	≥	0.000E+00	≥	DCFEXT(47)
DCSF ≥ Po-213	(Source: FGR 12)		≥	0.000E+00	≥	0.000E+00	≥	DCFEXT(48)

DCSF ≥ Po-214	(Source: FGR 12)	≥ 5.138E-04	≥ 5.138E-04	≥ DCFEXT(49)
DCSF ≥ Po-215	(Source: FGR 12)	≥ 1.016E-03	≥ 1.016E-03	≥ DCFEXT(50)
DCSF ≥ Po-216	(Source: FGR 12)	≥ 1.042E-04	≥ 1.042E-04	≥ DCFEXT(51)
DCSF ≥ Po-218	(Source: FGR 12)	≥ 5.642E-05	≥ 5.642E-05	≥ DCFEXT(52)
DCSF ≥ Pu-238	(Source: FGR 12)	≥ 1.513E-04	≥ 1.513E-04	≥ DCFEXT(53)
DCSF ≥ Pu-239	(Source: FGR 12)	≥ 2.952E-04	≥ 2.952E-04	≥ DCFEXT(54)
DCSF ≥ Pu-240	(Source: FGR 12)	≥ 1.467E-04	≥ 1.467E-04	≥ DCFEXT(55)
DCSF ≥ Pu-241	(Source: FGR 12)	≥ 5.904E-06	≥ 5.904E-06	≥ DCFEXT(56)
DCSF ≥ Pu-242	(Source: FGR 12)	≥ 1.280E-04	≥ 1.280E-04	≥ DCFEXT(57)
DCSF ≥ Pu-243	(Source: FGR 12)	≥ 7.959E-02	≥ 7.959E-02	≥ DCFEXT(58)
DCSF ≥ Pu-244	(Source: FGR 12)	≥ 7.548E-05	≥ 7.548E-05	≥ DCFEXT(59)
DCSF ≥ Ra-223	(Source: FGR 12)	≥ 6.034E-01	≥ 6.034E-01	≥ DCFEXT(60)
DCSF ≥ Ra-224	(Source: FGR 12)	≥ 5.119E-02	≥ 5.119E-02	≥ DCFEXT(61)
DCSF ≥ Ra-225	(Source: FGR 12)	≥ 1.102E-02	≥ 1.102E-02	≥ DCFEXT(62)
DCSF ≥ Ra-226	(Source: FGR 12)	≥ 3.176E-02	≥ 3.176E-02	≥ DCFEXT(63)
DCSF ≥ Ra-228	(Source: FGR 12)	≥ 0.000E+00	≥ 0.000E+00	≥ DCFEXT(64)
DCSF ≥ Rh-106	(Source: FGR 12)	≥ 1.291E+00	≥ 1.291E+00	≥ DCFEXT(65)
DCSF ≥ Rn-219	(Source: FGR 12)	≥ 3.083E-01	≥ 3.083E-01	≥ DCFEXT(66)
DCSF ≥ Rn-220	(Source: FGR 12)	≥ 2.298E-03	≥ 2.298E-03	≥ DCFEXT(67)
DCSF ≥ Rn-222	(Source: FGR 12)	≥ 2.354E-03	≥ 2.354E-03	≥ DCFEXT(68)
DCSF ≥ Ru-106	(Source: FGR 12)	≥ 0.000E+00	≥ 0.000E+00	≥ DCFEXT(69)
DCSF ≥ Sb-125	(Source: FGR 12)	≥ 2.447E+00	≥ 2.447E+00	≥ DCFEXT(70)
DCSF ≥ Sb-126	(Source: FGR 12)	≥ 1.711E+01	≥ 1.711E+01	≥ DCFEXT(71)
DCSF ≥ Sb-126m	(Source: FGR 12)	≥ 9.304E+00	≥ 9.304E+00	≥ DCFEXT(72)
DCSF ≥ Sm-147	(Source: FGR 12)	≥ 0.000E+00	≥ 0.000E+00	≥ DCFEXT(73)
DCSF ≥ Sm-151	(Source: FGR 12)	≥ 9.845E-07	≥ 9.845E-07	≥ DCFEXT(74)
DCSF ≥ Sn-121	(Source: FGR 12)	≥ 1.962E-04	≥ 1.962E-04	≥ DCFEXT(75)
DCSF ≥ Sn-121m	(Source: FGR 12)	≥ 1.962E-03	≥ 1.962E-03	≥ DCFEXT(76)
DCSF ≥ Sn-126	(Source: FGR 12)	≥ 1.474E-01	≥ 1.474E-01	≥ DCFEXT(77)
DCSF ≥ Sr-90	(Source: FGR 12)	≥ 7.043E-04	≥ 7.043E-04	≥ DCFEXT(78)
DCSF ≥ Te-125m	(Source: FGR 12)	≥ 1.515E-02	≥ 1.515E-02	≥ DCFEXT(79)
DCSF ≥ Th-227	(Source: FGR 12)	≥ 5.212E-01	≥ 5.212E-01	≥ DCFEXT(80)
DCSF ≥ Th-228	(Source: FGR 12)	≥ 7.940E-03	≥ 7.940E-03	≥ DCFEXT(81)

DCSF ≥ Th-229	(Source: FGR 12)	≥ 3.213E-01	≥ 3.213E-01	≥ DCFEXT(82)
DCSF ≥ Th-230	(Source: FGR 12)	≥ 1.209E-03	≥ 1.209E-03	≥ DCFEXT(83)
DCSF ≥ Th-231	(Source: FGR 12)	≥ 3.643E-02	≥ 3.643E-02	≥ DCFEXT(84)
DCSF ≥ Th-232	(Source: FGR 12)	≥ 5.212E-04	≥ 5.212E-04	≥ DCFEXT(85)
DCSF ≥ Th-234	(Source: FGR 12)	≥ 2.410E-02	≥ 2.410E-02	≥ DCFEXT(86)
DCSF ≥ Tl-207	(Source: FGR 12)	≥ 1.980E-02	≥ 1.980E-02	≥ DCFEXT(87)
DCSF ≥ Tl-208	(Source: FGR 12)	≥ 2.298E+01	≥ 2.298E+01	≥ DCFEXT(88)
DCSF ≥ Tl-209	(Source: FGR 12)	≥ 1.293E+01	≥ 1.293E+01	≥ DCFEXT(89)

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: FGR 12

Default Library: FGR 12

0	≥		≥	Current	≥		≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
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DCSF ≥ Tl-210	(Source: no data)		≥	0.000E+00	≥	-2.000E+00	≥	DCFEXT( 90)
DCSF ≥ U-233	(Source: FGR 12)		≥	1.397E-03	≥	1.397E-03	≥	DCFEXT( 91)
DCSF ≥ U-234	(Source: FGR 12)		≥	4.017E-04	≥	4.017E-04	≥	DCFEXT( 92)
DCSF ≥ U-235	(Source: FGR 12)		≥	7.211E-01	≥	7.211E-01	≥	DCFEXT( 93)
DCSF ≥ U-236	(Source: FGR 12)		≥	2.148E-04	≥	2.148E-04	≥	DCFEXT( 94)
DCSF ≥ U-237	(Source: FGR 12)		≥	5.306E-01	≥	5.306E-01	≥	DCFEXT( 95)
DCSF ≥ U-238	(Source: FGR 12)		≥	1.031E-04	≥	1.031E-04	≥	DCFEXT( 96)
DCSF ≥ U-240	(Source: FGR 12)		≥	1.424E-03	≥	1.424E-03	≥	DCFEXT( 97)
DCSF ≥ Y-90	(Source: FGR 12)		≥	2.391E-02	≥	2.391E-02	≥	DCFEXT( 98)
	≥		≥		≥		≥	

Current Library: ICRP 72 (Age 5)

Default Library: ICRP 72 (Age 5)

0	≥		≥	Current	≥		≥	Parameter
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Menu ≥	Parameter	≥ Value	≥ Default	≥ Name
fffff~	fffff~	fffff~	fffff~	fffff~
DCSF ≥	Dose conversion factors for inhalation, mrem/pCi:	≥	≥	≥
DCSF ≥	Ac-227+D	≥ 3.825E+00	≥ 3.825E+00	≥ DCF2(1)
DCSF ≥	Al-26	≥ 1.628E-04	≥ 1.628E-04	≥ DCF2(2)
DCSF ≥	Am-241	≥ 4.440E-01	≥ 4.440E-01	≥ DCF2(3)
DCSF ≥	Am-243+D	≥ 4.440E-01	≥ 4.440E-01	≥ DCF2(4)
DCSF ≥	Cf-249	≥ 4.070E-01	≥ 4.070E-01	≥ DCF2(5)
DCSF ≥	Cf-251	≥ 4.070E-01	≥ 4.070E-01	≥ DCF2(8)
DCSF ≥	Cf-252	≥ 2.072E-01	≥ 2.072E-01	≥ DCF2(9)
DCSF ≥	Cl-36	≥ 5.550E-05	≥ 5.550E-05	≥ DCF2(14)
DCSF ≥	Cm-245	≥ 4.440E-01	≥ 4.440E-01	≥ DCF2(15)
DCSF ≥	Cm-247+D	≥ 4.070E-01	≥ 4.070E-01	≥ DCF2(17)
DCSF ≥	Cm-248	≥ 1.665E+00	≥ 1.665E+00	≥ DCF2(18)
DCSF ≥	Co-60	≥ 2.183E-04	≥ 2.183E-04	≥ DCF2(22)
DCSF ≥	Cs-134	≥ 1.517E-04	≥ 1.517E-04	≥ DCF2(23)
DCSF ≥	Cs-137+D	≥ 2.590E-04	≥ 2.590E-04	≥ DCF2(24)
DCSF ≥	Eu-154	≥ 3.589E-04	≥ 3.589E-04	≥ DCF2(25)
DCSF ≥	Eu-155	≥ 5.180E-05	≥ 5.180E-05	≥ DCF2(26)
DCSF ≥	H-3	≥ 2.331E-06	≥ 2.331E-06	≥ DCF2(27)
DCSF ≥	Ho-166m	≥ 6.660E-04	≥ 6.660E-04	≥ DCF2(28)
DCSF ≥	Na-22	≥ 1.406E-05	≥ 1.406E-05	≥ DCF2(29)
DCSF ≥	Np-237+D	≥ 2.220E-01	≥ 2.220E-01	≥ DCF2(30)
DCSF ≥	Pa-231	≥ 7.030E-01	≥ 7.030E-01	≥ DCF2(31)
DCSF ≥	Pb-210+D	≥ 4.140E-02	≥ 4.140E-02	≥ DCF2(32)
DCSF ≥	Pm-147	≥ 4.070E-05	≥ 4.070E-05	≥ DCF2(33)
DCSF ≥	Po-210	≥ 3.182E-02	≥ 3.182E-02	≥ DCF2(34)
DCSF ≥	Pu-238	≥ 5.180E-01	≥ 5.180E-01	≥ DCF2(35)
DCSF ≥	Pu-239	≥ 5.550E-01	≥ 5.550E-01	≥ DCF2(37)
DCSF ≥	Pu-240	≥ 5.550E-01	≥ 5.550E-01	≥ DCF2(38)

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: ICRP 72 (Age 5)

Default Library: ICRP 72 (Age 5)

0	≥		≥	Current	≥	≥	Parameter	
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff	≈	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff
DCSF	≥	Pu-241	≥	9.620E-03	≥	9.620E-03	≥	DCF2(40)
DCSF	≥	Pu-241+D	≥	9.634E-03	≥	9.634E-03	≥	DCF2(41)
DCSF	≥	Pu-242	≥	5.180E-01	≥	5.180E-01	≥	DCF2(42)
DCSF	≥	Pu-244	≥	5.180E-01	≥	5.180E-01	≥	DCF2(45)
DCSF	≥	Pu-244+D	≥	5.180E-01	≥	5.180E-01	≥	DCF2(46)
DCSF	≥	Ra-226+D	≥	7.052E-02	≥	7.052E-02	≥	DCF2(48)
DCSF	≥	Ra-228+D	≥	1.188E-01	≥	1.188E-01	≥	DCF2(49)
DCSF	≥	Ru-106+D	≥	5.180E-04	≥	5.180E-04	≥	DCF2(50)
DCSF	≥	Sb-125	≥	8.880E-05	≥	8.880E-05	≥	DCF2(51)
DCSF	≥	Sm-147	≥	5.920E-02	≥	5.920E-02	≥	DCF2(53)
DCSF	≥	Sm-151	≥	2.479E-05	≥	2.479E-05	≥	DCF2(54)
DCSF	≥	Sn-121m+D	≥	3.550E-05	≥	3.550E-05	≥	DCF2(55)
DCSF	≥	Sn-126+D	≥	2.339E-04	≥	2.339E-04	≥	DCF2(56)
DCSF	≥	Sr-90+D	≥	1.015E-03	≥	1.015E-03	≥	DCF2(57)
DCSF	≥	Te-125m	≥	2.886E-05	≥	2.886E-05	≥	DCF2(58)
DCSF	≥	Th-228+D	≥	3.304E-01	≥	3.304E-01	≥	DCF2(59)
DCSF	≥	Th-229+D	≥	1.440E+00	≥	1.440E+00	≥	DCF2(60)
DCSF	≥	Th-230	≥	5.180E-01	≥	5.180E-01	≥	DCF2(61)
DCSF	≥	Th-232	≥	5.920E-01	≥	5.920E-01	≥	DCF2(62)
DCSF	≥	U-233	≥	7.030E-02	≥	7.030E-02	≥	DCF2(63)
DCSF	≥	U-234	≥	7.030E-02	≥	7.030E-02	≥	DCF2(64)
DCSF	≥	U-235+D	≥	6.290E-02	≥	6.290E-02	≥	DCF2(65)
DCSF	≥	U-236	≥	6.660E-02	≥	6.660E-02	≥	DCF2(66)
DCSF	≥	U-238	≥	5.920E-02	≥	5.920E-02	≥	DCF2(67)
DCSF	≥	U-238+D	≥	5.926E-02	≥	5.926E-02	≥	DCF2(68)

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Default Library: ICRP 72 (Age 5)

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DCSF $\geq$ Pa-231	$\geq 4.070E-03$	$\geq 4.070E-03$	$\geq$ DCF3(31)
DCSF $\geq$ Pb-210+D	$\geq 8.158E-03$	$\geq 8.158E-03$	$\geq$ DCF3(32)
DCSF $\geq$ Pm-147	$\geq 3.552E-06$	$\geq 3.552E-06$	$\geq$ DCF3(33)
DCSF $\geq$ Po-210	$\geq 1.628E-02$	$\geq 1.628E-02$	$\geq$ DCF3(34)
DCSF $\geq$ Pu-238	$\geq 1.147E-03$	$\geq 1.147E-03$	$\geq$ DCF3(35)
DCSF $\geq$ Pu-239	$\geq 1.221E-03$	$\geq 1.221E-03$	$\geq$ DCF3(37)
DCSF $\geq$ Pu-240	$\geq 1.221E-03$	$\geq 1.221E-03$	$\geq$ DCF3(38)
DCSF $\geq$ Pu-241	$\geq 2.035E-05$	$\geq 2.035E-05$	$\geq$ DCF3(40)
DCSF $\geq$ Pu-241+D	$\geq 3.071E-05$	$\geq 3.071E-05$	$\geq$ DCF3(41)
DCSF $\geq$ Pu-242	$\geq 1.184E-03$	$\geq 1.184E-03$	$\geq$ DCF3(42)
DCSF $\geq$ Pu-244	$\geq 1.184E-03$	$\geq 1.184E-03$	$\geq$ DCF3(45)
DCSF $\geq$ Pu-244+D	$\geq 1.199E-03$	$\geq 1.199E-03$	$\geq$ DCF3(46)
DCSF $\geq$ Ra-226+D	$\geq 2.297E-03$	$\geq 2.297E-03$	$\geq$ DCF3(48)
DCSF $\geq$ Ra-228+D	$\geq 1.259E-02$	$\geq 1.259E-02$	$\geq$ DCF3(49)
DCSF $\geq$ Ru-106+D	$\geq 9.250E-05$	$\geq 9.250E-05$	$\geq$ DCF3(50)
DCSF $\geq$ Sb-125	$\geq 1.258E-05$	$\geq 1.258E-05$	$\geq$ DCF3(51)
DCSF $\geq$ Sm-147	$\geq 3.404E-04$	$\geq 3.404E-04$	$\geq$ DCF3(53)
DCSF $\geq$ Sm-151	$\geq 1.221E-06$	$\geq 1.221E-06$	$\geq$ DCF3(54)
DCSF $\geq$ Sn-121m+D	$\geq 7.592E-06$	$\geq 7.592E-06$	$\geq$ DCF3(55)
DCSF $\geq$ Sn-126+D	$\geq 6.354E-05$	$\geq 6.354E-05$	$\geq$ DCF3(56)
DCSF $\geq$ Sr-90+D	$\geq 2.109E-04$	$\geq 2.109E-04$	$\geq$ DCF3(57)
DCSF $\geq$ Te-125m	$\geq 1.221E-05$	$\geq 1.221E-05$	$\geq$ DCF3(58)
DCSF $\geq$ Th-228+D	$\geq 2.234E-03$	$\geq 2.234E-03$	$\geq$ DCF3(59)
DCSF $\geq$ Th-229+D	$\geq 5.483E-03$	$\geq 5.483E-03$	$\geq$ DCF3(60)
DCSF $\geq$ Th-230	$\geq 1.147E-03$	$\geq 1.147E-03$	$\geq$ DCF3(61)
DCSF $\geq$ Th-232	$\geq 1.295E-03$	$\geq 1.295E-03$	$\geq$ DCF3(62)
DCSF $\geq$ U-233	$\geq 3.404E-04$	$\geq 3.404E-04$	$\geq$ DCF3(63)
DCSF $\geq$ U-234	$\geq 3.256E-04$	$\geq 3.256E-04$	$\geq$ DCF3(64)
DCSF $\geq$ U-235+D	$\geq 3.189E-04$	$\geq 3.189E-04$	$\geq$ DCF3(65)
DCSF $\geq$ U-236	$\geq 3.108E-04$	$\geq 3.108E-04$	$\geq$ DCF3(66)
DCSF $\geq$ U-238	$\geq 2.960E-04$	$\geq 2.960E-04$	$\geq$ DCF3(67)
DCSF $\geq$ U-238+D	$\geq 3.441E-04$	$\geq 3.441E-04$	$\geq$ DCF3(68)
$\geq$	$\geq$	$\geq$	$\geq$

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥	≥	Parameter	
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff	≈	ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff	≈	fffffffffffff	≈	fffffffffffff	≈	fffffffffffffffffff
TF	≥	Soil to plant transfer factors:	≥		≥		≥	
TF	≥	Ac-227+D , plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(1,1)
TF	≥	Ac-227+D , plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(1,2)
TF	≥	Ac-227+D , plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(1,3)
TF	≥	Ac-227+D , plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(1,4)
TF	≥		≥		≥		≥	
TF	≥	Al-26 , plant/soil concentration ratio, dimensionless	≥	4.000E-03	≥	4.000E-03	≥	RTF(2,1)
TF	≥	Al-26 , plant/soil concentration ratio, dimensionless	≥	4.000E-03	≥	4.000E-03	≥	RTF(2,2)
TF	≥	Al-26 , plant/soil concentration ratio, dimensionless	≥	4.000E-03	≥	4.000E-03	≥	RTF(2,3)
TF	≥	Al-26 , plant/soil concentration ratio, dimensionless	≥	4.000E-03	≥	4.000E-03	≥	RTF(2,4)
TF	≥		≥		≥		≥	
TF	≥	Am-241 , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(3,1)
TF	≥	Am-241 , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(3,2)
TF	≥	Am-241 , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(3,3)
TF	≥	Am-241 , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(3,4)
TF	≥		≥		≥		≥	
TF	≥	Am-243+D , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(4,1)
TF	≥	Am-243+D , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(4,2)
TF	≥	Am-243+D , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(4,3)
TF	≥	Am-243+D , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(4,4)
TF	≥		≥		≥		≥	
TF	≥	Cf-249 , plant/soil concentration ratio, dimensionless	≥	1.000E-03	≥	1.000E-03	≥	RTF(5,1)

TF	≥ Cf-249	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(5,2)
TF	≥ Cf-249	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(5,3)
TF	≥ Cf-249	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(5,4)
TF	≥		≥	≥	≥
TF	≥ Cf-251	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(8,1)
TF	≥ Cf-251	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(8,2)
TF	≥ Cf-251	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(8,3)
TF	≥ Cf-251	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(8,4)
TF	≥		≥	≥	≥
TF	≥ Cf-252	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(9,1)
TF	≥ Cf-252	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(9,2)
TF	≥ Cf-252	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(9,3)
TF	≥ Cf-252	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(9,4)
TF	≥		≥	≥	≥
TF	≥ Cl-36	, plant/soil concentration ratio, dimensionless	≥ 2.000E+01	≥ 2.000E+01	≥ RTF(14,1)
TF	≥ Cl-36	, plant/soil concentration ratio, dimensionless	≥ 2.000E+01	≥ 2.000E+01	≥ RTF(14,2)
TF	≥ Cl-36	, plant/soil concentration ratio, dimensionless	≥ 2.000E+01	≥ 2.000E+01	≥ RTF(14,3)
TF	≥ Cl-36	, plant/soil concentration ratio, dimensionless	≥ 2.000E+01	≥ 2.000E+01	≥ RTF(14,4)
TF	≥		≥	≥	≥
TF	≥ Cm-245	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(15,1)
TF	≥ Cm-245	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(15,2)
TF	≥ Cm-245	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(15,3)
TF	≥ Cm-245	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(15,4)

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥		≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name

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fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff
TF  ≥ Cm-247+D , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(17,1)
TF  ≥ Cm-247+D , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(17,2)
TF  ≥ Cm-247+D , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(17,3)
TF  ≥ Cm-247+D , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(17,4)
TF  ≥
TF  ≥ Cm-248 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(18,1)
TF  ≥ Cm-248 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(18,2)
TF  ≥ Cm-248 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(18,3)
TF  ≥ Cm-248 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(18,4)
TF  ≥
TF  ≥ Co-60 , plant/soil concentration ratio, dimensionless ≥ 8.000E-02 ≥ 8.000E-02 ≥ RTF(22,1)
TF  ≥ Co-60 , plant/soil concentration ratio, dimensionless ≥ 8.000E-02 ≥ 8.000E-02 ≥ RTF(22,2)
TF  ≥ Co-60 , plant/soil concentration ratio, dimensionless ≥ 8.000E-02 ≥ 8.000E-02 ≥ RTF(22,3)
TF  ≥ Co-60 , plant/soil concentration ratio, dimensionless ≥ 8.000E-02 ≥ 8.000E-02 ≥ RTF(22,4)
TF  ≥
TF  ≥ Cs-134 , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(23,1)
TF  ≥ Cs-134 , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(23,2)
TF  ≥ Cs-134 , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(23,3)
TF  ≥ Cs-134 , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(23,4)
TF  ≥
TF  ≥ Cs-137+D , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(24,1)
TF  ≥ Cs-137+D , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(24,2)
TF  ≥ Cs-137+D , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(24,3)
TF  ≥ Cs-137+D , plant/soil concentration ratio, dimensionless ≥ 4.000E-02 ≥ 4.000E-02 ≥ RTF(24,4)
TF  ≥
TF  ≥ Eu-154 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(25,1)
TF  ≥ Eu-154 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(25,2)
TF  ≥ Eu-154 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(25,3)
TF  ≥ Eu-154 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(25,4)
TF  ≥
TF  ≥ Eu-155 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(26,1)
TF  ≥ Eu-155 , plant/soil concentration ratio, dimensionless ≥ 2.500E-03 ≥ 2.500E-03 ≥ RTF(26,2)

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TF	≥	Eu-155	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(26,3)
TF	≥	Eu-155	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(26,4)
TF	≥			≥		≥		≥	
TF	≥	H-3	, plant/soil concentration ratio, dimensionless	≥	3.733E+00	≥	4.800E+00	≥	RTF(27,1)
TF	≥	H-3	, plant/soil concentration ratio, dimensionless	≥	3.733E+00	≥	4.800E+00	≥	RTF(27,2)
TF	≥	H-3	, plant/soil concentration ratio, dimensionless	≥	3.733E+00	≥	4.800E+00	≥	RTF(27,3)
TF	≥	H-3	, plant/soil concentration ratio, dimensionless	≥	3.733E+00	≥	4.800E+00	≥	RTF(27,4)
TF	≥			≥		≥		≥	
TF	≥	Ho-166m	, plant/soil concentration ratio, dimensionless	≥	2.600E-03	≥	2.600E-03	≥	RTF(28,1)
TF	≥	Ho-166m	, plant/soil concentration ratio, dimensionless	≥	2.600E-03	≥	2.600E-03	≥	RTF(28,2)
TF	≥	Ho-166m	, plant/soil concentration ratio, dimensionless	≥	2.600E-03	≥	2.600E-03	≥	RTF(28,3)
TF	≥	Ho-166m	, plant/soil concentration ratio, dimensionless	≥	2.600E-03	≥	2.600E-03	≥	RTF(28,4)
TF	≥			≥		≥		≥	

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Parent Dose Report

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## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥			≥	Current	≥		≥	Parameter
Menu	≥		Parameter	≥	Value	≥	Default	≥	Name
~~~~~									
TF	≥	Na-22	, plant/soil concentration ratio, dimensionless	≥	5.000E-02	≥	5.000E-02	≥	RTF(29,1)
TF	≥	Na-22	, plant/soil concentration ratio, dimensionless	≥	5.000E-02	≥	5.000E-02	≥	RTF(29,2)
TF	≥	Na-22	, plant/soil concentration ratio, dimensionless	≥	5.000E-02	≥	5.000E-02	≥	RTF(29,3)
TF	≥	Na-22	, plant/soil concentration ratio, dimensionless	≥	5.000E-02	≥	5.000E-02	≥	RTF(29,4)
TF	≥			≥		≥		≥	
TF	≥	Np-237+D	, plant/soil concentration ratio, dimensionless	≥	2.000E-02	≥	2.000E-02	≥	RTF(30,1)
TF	≥	Np-237+D	, plant/soil concentration ratio, dimensionless	≥	2.000E-02	≥	2.000E-02	≥	RTF(30,2)
TF	≥	Np-237+D	, plant/soil concentration ratio, dimensionless	≥	2.000E-02	≥	2.000E-02	≥	RTF(30,3)
TF	≥	Np-237+D	, plant/soil concentration ratio, dimensionless	≥	2.000E-02	≥	2.000E-02	≥	RTF(30,4)

TF	≥				≥	≥	≥
TF	≥	Pa-231	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(31,1)
TF	≥	Pa-231	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(31,2)
TF	≥	Pa-231	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(31,3)
TF	≥	Pa-231	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(31,4)
TF	≥				≥	≥	≥
TF	≥	Pb-210+D	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(32,1)
TF	≥	Pb-210+D	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(32,2)
TF	≥	Pb-210+D	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(32,3)
TF	≥	Pb-210+D	, plant/soil concentration ratio, dimensionless		≥ 1.000E-02	≥ 1.000E-02	≥ RTF(32,4)
TF	≥				≥	≥	≥
TF	≥	Pm-147	, plant/soil concentration ratio, dimensionless		≥ 2.500E-03	≥ 2.500E-03	≥ RTF(33,1)
TF	≥	Pm-147	, plant/soil concentration ratio, dimensionless		≥ 2.500E-03	≥ 2.500E-03	≥ RTF(33,2)
TF	≥	Pm-147	, plant/soil concentration ratio, dimensionless		≥ 2.500E-03	≥ 2.500E-03	≥ RTF(33,3)
TF	≥	Pm-147	, plant/soil concentration ratio, dimensionless		≥ 2.500E-03	≥ 2.500E-03	≥ RTF(33,4)
TF	≥				≥	≥	≥
TF	≥	Po-210	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(34,1)
TF	≥	Po-210	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(34,2)
TF	≥	Po-210	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(34,3)
TF	≥	Po-210	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(34,4)
TF	≥				≥	≥	≥
TF	≥	Pu-238	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(35,1)
TF	≥	Pu-238	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(35,2)
TF	≥	Pu-238	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(35,3)
TF	≥	Pu-238	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(35,4)
TF	≥				≥	≥	≥
TF	≥	Pu-239	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(37,1)
TF	≥	Pu-239	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(37,2)
TF	≥	Pu-239	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(37,3)
TF	≥	Pu-239	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(37,4)
TF	≥				≥	≥	≥
TF	≥	Pu-240	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(38,1)
TF	≥	Pu-240	, plant/soil concentration ratio, dimensionless		≥ 1.000E-03	≥ 1.000E-03	≥ RTF(38,2)

TF ≥ Pu-240 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(38,3)
 TF ≥ Pu-240 , plant/soil concentration ratio, dimensionless ≥ 1.000E-03 ≥ 1.000E-03 ≥ RTF(38,4)
 TF ≥ ≥ ≥
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 Parent Dose Report
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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	Menu	Parameter	Current Value	Default	Parameter Name
TF	≥ Pu-241	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(40,1)
TF	≥ Pu-241	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(40,2)
TF	≥ Pu-241	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(40,3)
TF	≥ Pu-241	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(40,4)
TF	≥		≥	≥	≥
TF	≥ Pu-241+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(41,1)
TF	≥ Pu-241+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(41,2)
TF	≥ Pu-241+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(41,3)
TF	≥ Pu-241+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(41,4)
TF	≥		≥	≥	≥
TF	≥ Pu-242	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(42,1)
TF	≥ Pu-242	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(42,2)
TF	≥ Pu-242	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(42,3)
TF	≥ Pu-242	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(42,4)
TF	≥		≥	≥	≥
TF	≥ Pu-244	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(45,1)
TF	≥ Pu-244	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(45,2)
TF	≥ Pu-244	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(45,3)
TF	≥ Pu-244	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(45,4)

TF	≥		≥	≥	≥
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,1)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,2)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,3)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,4)
TF	≥	≥	≥	≥	
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,1)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,2)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,3)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,4)
TF	≥	≥	≥	≥	
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,1)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,2)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,3)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless	≥ 4.000E-02	≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,4)
TF	≥	≥	≥	≥	
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless	≥ 3.000E-02	≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,1)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless	≥ 3.000E-02	≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,2)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless	≥ 3.000E-02	≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,3)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless	≥ 3.000E-02	≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,4)
TF	≥	≥	≥	≥	
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless	≥ 1.000E-02	≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,1)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless	≥ 1.000E-02	≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,2)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless	≥ 1.000E-02	≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,3)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless	≥ 1.000E-02	≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,4)
TF	≥	≥	≥	≥	

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥	≥	Parameter		
Menu	≥		Parameter	≥	Value	≥	Default	≥	Name
~~~~~									
TF	≥	Sm-147	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(53,1)
TF	≥	Sm-147	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(53,2)
TF	≥	Sm-147	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(53,3)
TF	≥	Sm-147	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(53,4)
TF	≥			≥		≥		≥	
TF	≥	Sm-151	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(54,1)
TF	≥	Sm-151	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(54,2)
TF	≥	Sm-151	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(54,3)
TF	≥	Sm-151	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(54,4)
TF	≥			≥		≥		≥	
TF	≥	Sn-121m+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(55,1)
TF	≥	Sn-121m+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(55,2)
TF	≥	Sn-121m+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(55,3)
TF	≥	Sn-121m+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(55,4)
TF	≥			≥		≥		≥	
TF	≥	Sn-126+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(56,1)
TF	≥	Sn-126+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(56,2)
TF	≥	Sn-126+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(56,3)
TF	≥	Sn-126+D	, plant/soil concentration ratio, dimensionless	≥	2.500E-03	≥	2.500E-03	≥	RTF(56,4)
TF	≥			≥		≥		≥	
TF	≥	Sr-90+D	, plant/soil concentration ratio, dimensionless	≥	3.000E-01	≥	3.000E-01	≥	RTF(57,1)
TF	≥	Sr-90+D	, plant/soil concentration ratio, dimensionless	≥	3.000E-01	≥	3.000E-01	≥	RTF(57,2)
TF	≥	Sr-90+D	, plant/soil concentration ratio, dimensionless	≥	3.000E-01	≥	3.000E-01	≥	RTF(57,3)
TF	≥	Sr-90+D	, plant/soil concentration ratio, dimensionless	≥	3.000E-01	≥	3.000E-01	≥	RTF(57,4)
TF	≥			≥		≥		≥	
TF	≥	Te-125m	, plant/soil concentration ratio, dimensionless	≥	6.000E-01	≥	6.000E-01	≥	RTF(58,1)
TF	≥	Te-125m	, plant/soil concentration ratio, dimensionless	≥	6.000E-01	≥	6.000E-01	≥	RTF(58,2)
TF	≥	Te-125m	, plant/soil concentration ratio, dimensionless	≥	6.000E-01	≥	6.000E-01	≥	RTF(58,3)
TF	≥	Te-125m	, plant/soil concentration ratio, dimensionless	≥	6.000E-01	≥	6.000E-01	≥	RTF(58,4)

TF	≥		≥	≥	≥
TF	≥ Th-228+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(59,1)
TF	≥ Th-228+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(59,2)
TF	≥ Th-228+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(59,3)
TF	≥ Th-228+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(59,4)
TF	≥		≥	≥	≥
TF	≥ Th-229+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(60,1)
TF	≥ Th-229+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(60,2)
TF	≥ Th-229+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(60,3)
TF	≥ Th-229+D	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(60,4)
TF	≥		≥	≥	≥
TF	≥ Th-230	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(61,1)
TF	≥ Th-230	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(61,2)
TF	≥ Th-230	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(61,3)
TF	≥ Th-230	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥ RTF(61,4)
TF	≥		≥	≥	≥

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## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

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0	≥		≥	Current	≥	≥	Parameter	
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
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TF	≥	Th-232	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥	RTF(62,1)	
TF	≥	Th-232	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥	RTF(62,2)	
TF	≥	Th-232	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥	RTF(62,3)	
TF	≥	Th-232	, plant/soil concentration ratio, dimensionless	≥ 1.000E-03	≥ 1.000E-03	≥	RTF(62,4)	
TF	≥			≥	≥	≥		
TF	≥	U-233	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥	RTF(63,1)	

TF	≥ U-233	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(63,2)
TF	≥ U-233	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(63,3)
TF	≥ U-233	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(63,4)
TF	≥		≥	≥	≥
TF	≥ U-234	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(64,1)
TF	≥ U-234	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(64,2)
TF	≥ U-234	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(64,3)
TF	≥ U-234	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(64,4)
TF	≥		≥	≥	≥
TF	≥ U-235+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(65,1)
TF	≥ U-235+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(65,2)
TF	≥ U-235+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(65,3)
TF	≥ U-235+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(65,4)
TF	≥		≥	≥	≥
TF	≥ U-236	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(66,1)
TF	≥ U-236	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(66,2)
TF	≥ U-236	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(66,3)
TF	≥ U-236	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(66,4)
TF	≥		≥	≥	≥
TF	≥ U-238	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(67,1)
TF	≥ U-238	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(67,2)
TF	≥ U-238	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(67,3)
TF	≥ U-238	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(67,4)
TF	≥		≥	≥	≥
TF	≥ U-238+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(68,1)
TF	≥ U-238+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(68,2)
TF	≥ U-238+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(68,3)
TF	≥ U-238+D	, plant/soil concentration ratio, dimensionless	≥ 2.500E-03	≥ 2.500E-03	≥ RTF(68,4)
TF	≥		≥	≥	≥
TF	≥ intake to meat/milk transfer factors:		≥	≥	≥
TF	≥ Ac-227+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 2.000E-05	≥ 2.000E-05	≥ I_M(1,1)
TF	≥ Ac-227+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 2.000E-05	≥ 2.000E-05	≥ I_M(1,2)
TF	≥		≥	≥	≥

TF	≥	Al-26	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.000E-04	≥	5.000E-04	≥	I_M(2,1)
TF	≥	Al-26	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-04	≥	2.000E-04	≥	I_M(2,2)
TF	≥			≥		≥		≥	
TF	≥	Am-241	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.000E-05	≥	5.000E-05	≥	I_M(3,1)
TF	≥	Am-241	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-06	≥	2.000E-06	≥	I_M(3,2)
TF	≥			≥		≥		≥	

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

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0	≥			≥	Current	≥		≥	Parameter
Menu	≥		Parameter	≥	Value	≥	Default	≥	Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff
TF	≥	Am-243+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.000E-05	≥	5.000E-05	≥	I_M(4,1)
TF	≥	Am-243+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-06	≥	2.000E-06	≥	I_M(4,2)
TF	≥			≥		≥		≥	
TF	≥	Cf-249	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	6.000E-05	≥	6.000E-05	≥	I_M(5,1)
TF	≥	Cf-249	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	7.500E-07	≥	7.500E-07	≥	I_M(5,2)
TF	≥			≥		≥		≥	
TF	≥	Cf-251	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	6.000E-05	≥	6.000E-05	≥	I_M(8,1)
TF	≥	Cf-251	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	7.500E-07	≥	7.500E-07	≥	I_M(8,2)
TF	≥			≥		≥		≥	
TF	≥	Cf-252	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	6.000E-05	≥	6.000E-05	≥	I_M(9,1)
TF	≥	Cf-252	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	7.500E-07	≥	7.500E-07	≥	I_M(9,2)
TF	≥			≥		≥		≥	
TF	≥	Cl-36	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	6.000E-02	≥	6.000E-02	≥	I_M(14,1)
TF	≥	Cl-36	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-02	≥	2.000E-02	≥	I_M(14,2)
TF	≥			≥		≥		≥	
TF	≥	Cm-245	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-05	≥	2.000E-05	≥	I_M(15,1)

TF	≥	Cm-245	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-06	≥	2.000E-06	≥	I_M(15,2)
TF	≥			≥		≥		≥	
TF	≥	Cm-247+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-05	≥	2.000E-05	≥	I_M(17,1)
TF	≥	Cm-247+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-06	≥	2.000E-06	≥	I_M(17,2)
TF	≥			≥		≥		≥	
TF	≥	Cm-248	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-05	≥	2.000E-05	≥	I_M(18,1)
TF	≥	Cm-248	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-06	≥	2.000E-06	≥	I_M(18,2)
TF	≥			≥		≥		≥	
TF	≥	Co-60	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-02	≥	2.000E-02	≥	I_M(22,1)
TF	≥	Co-60	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-03	≥	2.000E-03	≥	I_M(22,2)
TF	≥			≥		≥		≥	
TF	≥	Cs-134	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.000E-02	≥	3.000E-02	≥	I_M(23,1)
TF	≥	Cs-134	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	8.000E-03	≥	8.000E-03	≥	I_M(23,2)
TF	≥			≥		≥		≥	
TF	≥	Cs-137+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.000E-02	≥	3.000E-02	≥	I_M(24,1)
TF	≥	Cs-137+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	8.000E-03	≥	8.000E-03	≥	I_M(24,2)
TF	≥			≥		≥		≥	
TF	≥	Eu-154	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-03	≥	2.000E-03	≥	I_M(25,1)
TF	≥	Eu-154	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	5.000E-05	≥	5.000E-05	≥	I_M(25,2)
TF	≥			≥		≥		≥	
TF	≥	Eu-155	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-03	≥	2.000E-03	≥	I_M(26,1)
TF	≥	Eu-155	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	5.000E-05	≥	5.000E-05	≥	I_M(26,2)
TF	≥			≥		≥		≥	
TF	≥	H-3	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.741E-03	≥	1.200E-02	≥	I_M(27,1)
TF	≥	H-3	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	4.311E-03	≥	1.000E-02	≥	I_M(27,2)
TF	≥			≥		≥		≥	
TF	≥	Ho-166m	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-03	≥	2.000E-03	≥	I_M(28,1)
TF	≥	Ho-166m	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-05	≥	2.000E-05	≥	I_M(28,2)
TF	≥			≥		≥		≥	

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

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0	≥		≥	Current	≥	≥	Parameter	
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff	~	ff	~	fffffffffffff	~	fffffffffffff	~	ffffffffffffffffffff
TF	≥	Na-22 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	8.000E-02	≥	8.000E-02	≥	I_M(29,1)
TF	≥	Na-22 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	4.000E-02	≥	4.000E-02	≥	I_M(29,2)
TF	≥		≥		≥		≥	
TF	≥	Np-237+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	1.000E-03	≥	1.000E-03	≥	I_M(30,1)
TF	≥	Np-237+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	5.000E-06	≥	5.000E-06	≥	I_M(30,2)
TF	≥		≥		≥		≥	
TF	≥	Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.000E-03	≥	5.000E-03	≥	I_M(31,1)
TF	≥	Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	5.000E-06	≥	5.000E-06	≥	I_M(31,2)
TF	≥		≥		≥		≥	
TF	≥	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	8.000E-04	≥	8.000E-04	≥	I_M(32,1)
TF	≥	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	3.000E-04	≥	3.000E-04	≥	I_M(32,2)
TF	≥		≥		≥		≥	
TF	≥	Pm-147 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	2.000E-03	≥	2.000E-03	≥	I_M(33,1)
TF	≥	Pm-147 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	2.000E-05	≥	2.000E-05	≥	I_M(33,2)
TF	≥		≥		≥		≥	
TF	≥	Po-210 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	5.000E-03	≥	5.000E-03	≥	I_M(34,1)
TF	≥	Po-210 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	3.400E-04	≥	3.400E-04	≥	I_M(34,2)
TF	≥		≥		≥		≥	
TF	≥	Pu-238 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	1.000E-04	≥	1.000E-04	≥	I_M(35,1)
TF	≥	Pu-238 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	1.000E-06	≥	1.000E-06	≥	I_M(35,2)
TF	≥		≥		≥		≥	
TF	≥	Pu-239 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	1.000E-04	≥	1.000E-04	≥	I_M(37,1)
TF	≥	Pu-239 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	1.000E-06	≥	1.000E-06	≥	I_M(37,2)
TF	≥		≥		≥		≥	
TF	≥	Pu-240 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	1.000E-04	≥	1.000E-04	≥	I_M(38,1)
TF	≥	Pu-240 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	1.000E-06	≥	1.000E-06	≥	I_M(38,2)

TF	≥		≥	≥	≥
TF	≥ Pu-241	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(40,1)
TF	≥ Pu-241	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-06	≥ 1.000E-06	≥ I_M(40,2)
TF	≥		≥	≥	≥
TF	≥ Pu-241+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(41,1)
TF	≥ Pu-241+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-06	≥ 1.000E-06	≥ I_M(41,2)
TF	≥		≥	≥	≥
TF	≥ Pu-242	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(42,1)
TF	≥ Pu-242	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-06	≥ 1.000E-06	≥ I_M(42,2)
TF	≥		≥	≥	≥
TF	≥ Pu-244	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(45,1)
TF	≥ Pu-244	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-06	≥ 1.000E-06	≥ I_M(45,2)
TF	≥		≥	≥	≥
TF	≥ Pu-244+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(46,1)
TF	≥ Pu-244+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-06	≥ 1.000E-06	≥ I_M(46,2)
TF	≥		≥	≥	≥
TF	≥ Ra-226+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥ I_M(48,1)
TF	≥ Ra-226+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥ I_M(48,2)
TF	≥		≥	≥	≥

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥		≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
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TF	≥ Ra-228+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥	1.000E-03	≥	I_M(49,1)
TF	≥ Ra-228+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥	1.000E-03	≥	I_M(49,2)
TF	≥		≥	≥	≥	≥	≥	

TF	≥ Ru-106+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 2.000E-03	≥ 2.000E-03	≥ I_M(50,1)
TF	≥ Ru-106+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 3.300E-06	≥ 3.300E-06	≥ I_M(50,2)
TF	≥	≥	≥	
TF	≥ Sb-125 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥ I_M(51,1)
TF	≥ Sb-125 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(51,2)
TF	≥	≥	≥	
TF	≥ Sm-147 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 2.000E-03	≥ 2.000E-03	≥ I_M(53,1)
TF	≥ Sm-147 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 2.000E-05	≥ 2.000E-05	≥ I_M(53,2)
TF	≥	≥	≥	
TF	≥ Sm-151 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 2.000E-03	≥ 2.000E-03	≥ I_M(54,1)
TF	≥ Sm-151 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 2.000E-05	≥ 2.000E-05	≥ I_M(54,2)
TF	≥	≥	≥	
TF	≥ Sn-121m+D, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-02	≥ 1.000E-02	≥ I_M(55,1)
TF	≥ Sn-121m+D, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥ I_M(55,2)
TF	≥	≥	≥	
TF	≥ Sn-126+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-02	≥ 1.000E-02	≥ I_M(56,1)
TF	≥ Sn-126+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 1.000E-03	≥ 1.000E-03	≥ I_M(56,2)
TF	≥	≥	≥	
TF	≥ Sr-90+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 8.000E-03	≥ 8.000E-03	≥ I_M(57,1)
TF	≥ Sr-90+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 2.000E-03	≥ 2.000E-03	≥ I_M(57,2)
TF	≥	≥	≥	
TF	≥ Te-125m , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 7.000E-03	≥ 7.000E-03	≥ I_M(58,1)
TF	≥ Te-125m , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 5.000E-04	≥ 5.000E-04	≥ I_M(58,2)
TF	≥	≥	≥	
TF	≥ Th-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(59,1)
TF	≥ Th-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 5.000E-06	≥ 5.000E-06	≥ I_M(59,2)
TF	≥	≥	≥	
TF	≥ Th-229+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(60,1)
TF	≥ Th-229+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 5.000E-06	≥ 5.000E-06	≥ I_M(60,2)
TF	≥	≥	≥	
TF	≥ Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(61,1)
TF	≥ Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 5.000E-06	≥ 5.000E-06	≥ I_M(61,2)
TF	≥	≥	≥	



TF	≥ Th-232	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 1.000E-04	≥ 1.000E-04	≥ I_M(62,1)
TF	≥ Th-232	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 5.000E-06	≥ 5.000E-06	≥ I_M(62,2)
TF	≥		≥	≥	≥
TF	≥ U-233	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 3.400E-04	≥ 3.400E-04	≥ I_M(63,1)
TF	≥ U-233	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 6.000E-04	≥ 6.000E-04	≥ I_M(63,2)
TF	≥		≥	≥	≥
TF	≥ U-234	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 3.400E-04	≥ 3.400E-04	≥ I_M(64,1)
TF	≥ U-234	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥ 6.000E-04	≥ 6.000E-04	≥ I_M(64,2)
TF	≥		≥	≥	≥

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

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## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥	Parameter		
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff	~	fffff	~	fffff	~	fffff	~	fffff
TF	≥	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.400E-04	≥	3.400E-04	≥	I_M(65,1)
TF	≥	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	6.000E-04	≥	6.000E-04	≥	I_M(65,2)
TF	≥		≥		≥		≥	
TF	≥	U-236 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.400E-04	≥	3.400E-04	≥	I_M(66,1)
TF	≥	U-236 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	6.000E-04	≥	6.000E-04	≥	I_M(66,2)
TF	≥		≥		≥		≥	
TF	≥	U-238 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.400E-04	≥	3.400E-04	≥	I_M(67,1)
TF	≥	U-238 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	6.000E-04	≥	6.000E-04	≥	I_M(67,2)
TF	≥		≥		≥		≥	
TF	≥	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥	3.400E-04	≥	3.400E-04	≥	I_M(68,1)
TF	≥	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	≥	6.000E-04	≥	6.000E-04	≥	I_M(68,2)
	≥		≥		≥		≥	
TF	≥	Bioaccumulation factors, fresh water, L/kg:	≥		≥		≥	

TF	≥ Ac-227+D , fish	≥ 1.500E+01	≥ 1.500E+01	≥ BIOFA(1,1)
TF	≥ Ac-227+D , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(1,2)
TF	≥	≥	≥	
TF	≥ Al-26 , fish	≥ 5.000E+02	≥ 5.000E+02	≥ BIOFA(2,1)
TF	≥ Al-26 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(2,2)
TF	≥	≥	≥	
TF	≥ Am-241 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(3,1)
TF	≥ Am-241 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(3,2)
TF	≥	≥	≥	
TF	≥ Am-243+D , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(4,1)
TF	≥ Am-243+D , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(4,2)
TF	≥	≥	≥	
TF	≥ Cf-249 , fish	≥ 2.500E+01	≥ 2.500E+01	≥ BIOFA(5,1)
TF	≥ Cf-249 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(5,2)
TF	≥	≥	≥	
TF	≥ Cf-251 , fish	≥ 2.500E+01	≥ 2.500E+01	≥ BIOFA(8,1)
TF	≥ Cf-251 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(8,2)
TF	≥	≥	≥	
TF	≥ Cf-252 , fish	≥ 2.500E+01	≥ 2.500E+01	≥ BIOFA(9,1)
TF	≥ Cf-252 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(9,2)
TF	≥	≥	≥	
TF	≥ Cl-36 , fish	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(14,1)
TF	≥ Cl-36 , crustacea and mollusks	≥ 1.900E+02	≥ 1.900E+02	≥ BIOFA(14,2)
TF	≥	≥	≥	
TF	≥ Cm-245 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(15,1)
TF	≥ Cm-245 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(15,2)
TF	≥	≥	≥	
TF	≥ Cm-247+D , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(17,1)
TF	≥ Cm-247+D , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(17,2)
TF	≥	≥	≥	
TF	≥ Cm-248 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(18,1)
TF	≥ Cm-248 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(18,2)

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## Parent Dose Report

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## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥	Parameter		
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff
TF	≥	Co-60 , fish	≥	3.000E+02	≥	3.000E+02	≥	BIOFA(22,1)
TF	≥	Co-60 , crustacea and mollusks	≥	2.000E+02	≥	2.000E+02	≥	BIOFA(22,2)
TF	≥		≥		≥		≥	
TF	≥	Cs-134 , fish	≥	2.000E+03	≥	2.000E+03	≥	BIOFA(23,1)
TF	≥	Cs-134 , crustacea and mollusks	≥	1.000E+02	≥	1.000E+02	≥	BIOFA(23,2)
TF	≥		≥		≥		≥	
TF	≥	Cs-137+D , fish	≥	2.000E+03	≥	2.000E+03	≥	BIOFA(24,1)
TF	≥	Cs-137+D , crustacea and mollusks	≥	1.000E+02	≥	1.000E+02	≥	BIOFA(24,2)
TF	≥		≥		≥		≥	
TF	≥	Eu-154 , fish	≥	5.000E+01	≥	5.000E+01	≥	BIOFA(25,1)
TF	≥	Eu-154 , crustacea and mollusks	≥	1.000E+03	≥	1.000E+03	≥	BIOFA(25,2)
TF	≥		≥		≥		≥	
TF	≥	Eu-155 , fish	≥	5.000E+01	≥	5.000E+01	≥	BIOFA(26,1)
TF	≥	Eu-155 , crustacea and mollusks	≥	1.000E+03	≥	1.000E+03	≥	BIOFA(26,2)
TF	≥		≥		≥		≥	
TF	≥	H-3 , fish	≥	1.000E+00	≥	1.000E+00	≥	BIOFA(27,1)
TF	≥	H-3 , crustacea and mollusks	≥	1.000E+00	≥	1.000E+00	≥	BIOFA(27,2)
TF	≥		≥		≥		≥	
TF	≥	Ho-166m , fish	≥	2.500E+01	≥	2.500E+01	≥	BIOFA(28,1)
TF	≥	Ho-166m , crustacea and mollusks	≥	1.000E+03	≥	1.000E+03	≥	BIOFA(28,2)
TF	≥		≥		≥		≥	
TF	≥	Na-22 , fish	≥	2.000E+01	≥	2.000E+01	≥	BIOFA(29,1)
TF	≥	Na-22 , crustacea and mollusks	≥	2.000E+02	≥	2.000E+02	≥	BIOFA(29,2)

TF	≥		≥	≥	≥
TF	≥	Np-237+D , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(30,1)
TF	≥	Np-237+D , crustacea and mollusks	≥ 4.000E+02	≥ 4.000E+02	≥ BIOFA(30,2)
TF	≥		≥	≥	≥
TF	≥	Pa-231 , fish	≥ 1.000E+01	≥ 1.000E+01	≥ BIOFA(31,1)
TF	≥	Pa-231 , crustacea and mollusks	≥ 1.100E+02	≥ 1.100E+02	≥ BIOFA(31,2)
TF	≥		≥	≥	≥
TF	≥	Pb-210+D , fish	≥ 3.000E+02	≥ 3.000E+02	≥ BIOFA(32,1)
TF	≥	Pb-210+D , crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(32,2)
TF	≥		≥	≥	≥
TF	≥	Pm-147 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(33,1)
TF	≥	Pm-147 , crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(33,2)
TF	≥		≥	≥	≥
TF	≥	Po-210 , fish	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(34,1)
TF	≥	Po-210 , crustacea and mollusks	≥ 2.000E+04	≥ 2.000E+04	≥ BIOFA(34,2)
TF	≥		≥	≥	≥
TF	≥	Pu-238 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(35,1)
TF	≥	Pu-238 , crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(35,2)
TF	≥		≥	≥	≥
TF	≥	Pu-239 , fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(37,1)
TF	≥	Pu-239 , crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(37,2)
TF	≥		≥	≥	≥

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Parent Dose Report

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥		≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥	Name
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TF	≥ Pu-240	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(38,1)
TF	≥ Pu-240	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(38,2)
TF	≥		≥	≥	≥
TF	≥ Pu-241	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(40,1)
TF	≥ Pu-241	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(40,2)
TF	≥		≥	≥	≥
TF	≥ Pu-241+D	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(41,1)
TF	≥ Pu-241+D	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(41,2)
TF	≥		≥	≥	≥
TF	≥ Pu-242	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(42,1)
TF	≥ Pu-242	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(42,2)
TF	≥		≥	≥	≥
TF	≥ Pu-244	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(45,1)
TF	≥ Pu-244	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(45,2)
TF	≥		≥	≥	≥
TF	≥ Pu-244+D	, fish	≥ 3.000E+01	≥ 3.000E+01	≥ BIOFA(46,1)
TF	≥ Pu-244+D	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(46,2)
TF	≥		≥	≥	≥
TF	≥ Ra-226+D	, fish	≥ 5.000E+01	≥ 5.000E+01	≥ BIOFA(48,1)
TF	≥ Ra-226+D	, crustacea and mollusks	≥ 2.500E+02	≥ 2.500E+02	≥ BIOFA(48,2)
TF	≥		≥	≥	≥
TF	≥ Ra-228+D	, fish	≥ 5.000E+01	≥ 5.000E+01	≥ BIOFA(49,1)
TF	≥ Ra-228+D	, crustacea and mollusks	≥ 2.500E+02	≥ 2.500E+02	≥ BIOFA(49,2)
TF	≥		≥	≥	≥
TF	≥ Ru-106+D	, fish	≥ 1.000E+01	≥ 1.000E+01	≥ BIOFA(50,1)
TF	≥ Ru-106+D	, crustacea and mollusks	≥ 3.000E+02	≥ 3.000E+02	≥ BIOFA(50,2)
TF	≥		≥	≥	≥
TF	≥ Sb-125	, fish	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(51,1)
TF	≥ Sb-125	, crustacea and mollusks	≥ 1.000E+01	≥ 1.000E+01	≥ BIOFA(51,2)
TF	≥		≥	≥	≥
TF	≥ Sm-147	, fish	≥ 2.500E+01	≥ 2.500E+01	≥ BIOFA(53,1)
TF	≥ Sm-147	, crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(53,2)
TF	≥		≥	≥	≥

TF	≥ Sm-151	, fish	≥ 2.500E+01	≥ 2.500E+01	≥ BIOFA(54,1)
TF	≥ Sm-151	, crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(54,2)
TF	≥		≥	≥	≥
TF	≥ Sn-121m+D	, fish	≥ 3.000E+03	≥ 3.000E+03	≥ BIOFA(55,1)
TF	≥ Sn-121m+D	, crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(55,2)
TF	≥		≥	≥	≥
TF	≥ Sn-126+D	, fish	≥ 3.000E+03	≥ 3.000E+03	≥ BIOFA(56,1)
TF	≥ Sn-126+D	, crustacea and mollusks	≥ 1.000E+03	≥ 1.000E+03	≥ BIOFA(56,2)
TF	≥		≥	≥	≥
TF	≥ Sr-90+D	, fish	≥ 6.000E+01	≥ 6.000E+01	≥ BIOFA(57,1)
TF	≥ Sr-90+D	, crustacea and mollusks	≥ 1.000E+02	≥ 1.000E+02	≥ BIOFA(57,2)
TF	≥		≥	≥	≥

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Parent Dose Report

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## Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

Default Library: RESRAD Default Transfer factors

0	≥		≥	Current	≥	≥	Parameter
Menu	≥	Parameter	≥	Value	≥	Default	≥ Name
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TF	≥ Te-125m	, fish	≥ 4.000E+02	≥ 4.000E+02	≥	≥	BIOFA(58,1)
TF	≥ Te-125m	, crustacea and mollusks	≥ 7.500E+01	≥ 7.500E+01	≥	≥	BIOFA(58,2)
TF	≥		≥	≥	≥	≥	
TF	≥ Th-228+D	, fish	≥ 1.000E+02	≥ 1.000E+02	≥	≥	BIOFA(59,1)
TF	≥ Th-228+D	, crustacea and mollusks	≥ 5.000E+02	≥ 5.000E+02	≥	≥	BIOFA(59,2)
TF	≥		≥	≥	≥	≥	
TF	≥ Th-229+D	, fish	≥ 1.000E+02	≥ 1.000E+02	≥	≥	BIOFA(60,1)
TF	≥ Th-229+D	, crustacea and mollusks	≥ 5.000E+02	≥ 5.000E+02	≥	≥	BIOFA(60,2)
TF	≥		≥	≥	≥	≥	
TF	≥ Th-230	, fish	≥ 1.000E+02	≥ 1.000E+02	≥	≥	BIOFA(61,1)

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Parameter										
Menu	\geq	Parameter	\geq	Input	\geq	Default	\geq	computed	\geq	Name

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FSTI ≥ Exposure duration	≥ 6.000E+00	≥ 3.000E+01	≥ ---	≥ ED
FSTI ≥ Basic radiation dose limit (mrem/yr)	≥ 1.500E+01	≥ 2.500E+01	≥ ---	≥ BRDL
≥	≥	≥	≥	≥
CONC ≥ Initial principal radionuclide (pCi/g): Ac-227	≥ 2.340E+00	≥ 0.000E+00	≥ ---	≥ S1(1)
CONC ≥ Initial principal radionuclide (pCi/g): Al-26	≥ 7.640E+02	≥ 0.000E+00	≥ ---	≥ S1(2)
CONC ≥ Initial principal radionuclide (pCi/g): Am-241	≥ 1.410E+03	≥ 0.000E+00	≥ ---	≥ S1(3)
CONC ≥ Initial principal radionuclide (pCi/g): Cf-249	≥ 3.240E-03	≥ 0.000E+00	≥ ---	≥ S1(5)
CONC ≥ Initial principal radionuclide (pCi/g): Cf-251	≥ 1.340E-02	≥ 0.000E+00	≥ ---	≥ S1(8)
CONC ≥ Initial principal radionuclide (pCi/g): Cf-252	≥ 1.510E-07	≥ 0.000E+00	≥ ---	≥ S1(9)
CONC ≥ Initial principal radionuclide (pCi/g): Cl-36	≥ 2.790E-01	≥ 0.000E+00	≥ ---	≥ S1(14)
CONC ≥ Initial principal radionuclide (pCi/g): Co-60	≥ 4.860E+00	≥ 0.000E+00	≥ ---	≥ S1(22)
CONC ≥ Initial principal radionuclide (pCi/g): Cs-134	≥ 2.620E-06	≥ 0.000E+00	≥ ---	≥ S1(23)
CONC ≥ Initial principal radionuclide (pCi/g): Cs-137	≥ 3.050E+03	≥ 0.000E+00	≥ ---	≥ S1(24)
CONC ≥ Initial principal radionuclide (pCi/g): Eu-154	≥ 9.920E-03	≥ 0.000E+00	≥ ---	≥ S1(25)
CONC ≥ Initial principal radionuclide (pCi/g): Eu-155	≥ 8.720E-03	≥ 0.000E+00	≥ ---	≥ S1(26)
CONC ≥ Initial principal radionuclide (pCi/g): H-3	≥ 3.780E+04	≥ 0.000E+00	≥ ---	≥ S1(27)
CONC ≥ Initial principal radionuclide (pCi/g): Ho-166m	≥ 5.020E-01	≥ 0.000E+00	≥ ---	≥ S1(28)
CONC ≥ Initial principal radionuclide (pCi/g): Na-22	≥ 1.120E-03	≥ 0.000E+00	≥ ---	≥ S1(29)
CONC ≥ Initial principal radionuclide (pCi/g): Np-237	≥ 1.620E-03	≥ 0.000E+00	≥ ---	≥ S1(30)
CONC ≥ Initial principal radionuclide (pCi/g): Pb-210	≥ 2.850E+00	≥ 0.000E+00	≥ ---	≥ S1(32)
CONC ≥ Initial principal radionuclide (pCi/g): Pm-147	≥ 1.370E-08	≥ 0.000E+00	≥ ---	≥ S1(33)
CONC ≥ Initial principal radionuclide (pCi/g): Pu-238	≥ 1.470E+04	≥ 0.000E+00	≥ ---	≥ S1(35)
CONC ≥ Initial principal radionuclide (pCi/g): Pu-239	≥ 9.250E+03	≥ 0.000E+00	≥ ---	≥ S1(37)
CONC ≥ Initial principal radionuclide (pCi/g): Pu-240	≥ 2.380E+03	≥ 0.000E+00	≥ ---	≥ S1(38)
CONC ≥ Initial principal radionuclide (pCi/g): Pu-241	≥ 3.820E+03	≥ 0.000E+00	≥ ---	≥ S1(40)
CONC ≥ Initial principal radionuclide (pCi/g): Pu-242	≥ 2.520E-01	≥ 0.000E+00	≥ ---	≥ S1(42)
CONC ≥ Initial principal radionuclide (pCi/g): Ra-226	≥ 3.850E+00	≥ 0.000E+00	≥ ---	≥ S1(48)
CONC ≥ Initial principal radionuclide (pCi/g): Ra-228	≥ 4.190E+00	≥ 0.000E+00	≥ ---	≥ S1(49)
CONC ≥ Initial principal radionuclide (pCi/g): Ru-106	≥ 7.770E-09	≥ 0.000E+00	≥ ---	≥ S1(50)
CONC ≥ Initial principal radionuclide (pCi/g): Sb-125	≥ 5.400E-04	≥ 0.000E+00	≥ ---	≥ S1(51)
CONC ≥ Initial principal radionuclide (pCi/g): Sm-151	≥ 2.110E-02	≥ 0.000E+00	≥ ---	≥ S1(54)

CONC ≥ Initial principal radionuclide (pCi/g):	Sn-121m	≥ 5.020E-01	≥ 0.000E+00	≥ ---	≥ S1(55)
CONC ≥ Initial principal radionuclide (pCi/g):	Sn-126	≥ 1.220E-01	≥ 0.000E+00	≥ ---	≥ S1(56)
CONC ≥ Initial principal radionuclide (pCi/g):	Sr-90	≥ 4.300E+02	≥ 0.000E+00	≥ ---	≥ S1(57)
CONC ≥ Initial principal radionuclide (pCi/g):	Th-228	≥ 8.930E-03	≥ 0.000E+00	≥ ---	≥ S1(59)
CONC ≥ Initial principal radionuclide (pCi/g):	Th-230	≥ 8.370E+01	≥ 0.000E+00	≥ ---	≥ S1(61)
CONC ≥ Initial principal radionuclide (pCi/g):	Th-232	≥ 9.880E-03	≥ 0.000E+00	≥ ---	≥ S1(62)
CONC ≥ Initial principal radionuclide (pCi/g):	U-233	≥ 2.790E+00	≥ 0.000E+00	≥ ---	≥ S1(63)
CONC ≥ Initial principal radionuclide (pCi/g):	U-234	≥ 4.260E+01	≥ 0.000E+00	≥ ---	≥ S1(64)
CONC ≥ Initial principal radionuclide (pCi/g):	U-235	≥ 2.180E+02	≥ 0.000E+00	≥ ---	≥ S1(65)
CONC ≥ Initial principal radionuclide (pCi/g):	U-236	≥ 4.070E-01	≥ 0.000E+00	≥ ---	≥ S1(66)
CONC ≥ Initial principal radionuclide (pCi/g):	U-238	≥ 5.350E+01	≥ 0.000E+00	≥ ---	≥ S1(67)
≥		≥	≥	≥	≥
VDEP ≥ Deposition velocity for	Ac-227	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(1)
VDEP ≥ Deposition velocity for	Al-26	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(2)
VDEP ≥ Deposition velocity for	Am-241	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(3)
VDEP ≥ Deposition velocity for	Am-243	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(4)

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Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	RESRAD	≥			
Parameter									
Menu ≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
fffff~	fffff~	fffff~	fffff~	fffff~	fffff~	fffff~	fffff~	fffff~	fffff~
fffff									
VDEP ≥ Deposition velocity for	Cf-249	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(5)				
VDEP ≥ Deposition velocity for	Cf-251	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(8)				
VDEP ≥ Deposition velocity for	Cf-252	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(9)				
VDEP ≥ Deposition velocity for	Cl-36	≥ 1.000E-02	≥ 1.000E-02	≥ ---	≥ DEPVEL(14)				
VDEP ≥ Deposition velocity for	Cm-245	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(15)				

VDEP ≥ Deposition velocity for Cm-247	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(17)
VDEP ≥ Deposition velocity for Cm-248	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(18)
VDEP ≥ Deposition velocity for Co-60	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(22)
VDEP ≥ Deposition velocity for Cs-134	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(23)
VDEP ≥ Deposition velocity for Cs-137	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(24)
VDEP ≥ Deposition velocity for Eu-154	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(25)
VDEP ≥ Deposition velocity for Eu-155	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(26)
VDEP ≥ Deposition velocity for H-3	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(27)
VDEP ≥ Deposition velocity for Ho-166m	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(28)
VDEP ≥ Deposition velocity for Na-22	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(29)
VDEP ≥ Deposition velocity for Np-237	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(30)
VDEP ≥ Deposition velocity for Pa-231	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(31)
VDEP ≥ Deposition velocity for Pb-210	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(32)
VDEP ≥ Deposition velocity for Pm-147	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(33)
VDEP ≥ Deposition velocity for Po-210	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(34)
VDEP ≥ Deposition velocity for Pu-238	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(35)
VDEP ≥ Deposition velocity for Pu-239	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(37)
VDEP ≥ Deposition velocity for Pu-240	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(38)
VDEP ≥ Deposition velocity for Pu-241	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(40)
VDEP ≥ Deposition velocity for Pu-242	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(42)
VDEP ≥ Deposition velocity for Pu-244	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(45)
VDEP ≥ Deposition velocity for Ra-226	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(48)
VDEP ≥ Deposition velocity for Ra-228	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(49)
VDEP ≥ Deposition velocity for Ru-106	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(50)
VDEP ≥ Deposition velocity for Sb-125	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(51)
VDEP ≥ Deposition velocity for Sm-147	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(53)
VDEP ≥ Deposition velocity for Sm-151	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(54)
VDEP ≥ Deposition velocity for Sn-121m	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(55)
VDEP ≥ Deposition velocity for Sn-126	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(56)
VDEP ≥ Deposition velocity for Sr-90	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(57)
VDEP ≥ Deposition velocity for Te-125m	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(58)
VDEP ≥ Deposition velocity for Th-228	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(59)
VDEP ≥ Deposition velocity for Th-229	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ DEPVEL(60)

VDEP ≥ Deposition velocity for Th-230	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(61)
VDEP ≥ Deposition velocity for Th-232	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(62)
VDEP ≥ Deposition velocity for U-233	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(63)
VDEP ≥ Deposition velocity for U-234	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(64)
VDEP ≥ Deposition velocity for U-235	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(65)
VDEP ≥ Deposition velocity for U-236	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(66)
VDEP ≥ Deposition velocity for U-238	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥ DEPVEL(67)

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Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥	≥ RESRAD	≥
Parameter					
Menu ≥	Parameter	≥ Input	≥ Default	≥ computed	≥ Name
fffff~	fffff~	fffff~	fffff~	fffff~	fffff~
fffff	fffff	fffff	fffff	fffff	fffff
DCLR ≥ Distribution coefficients for Ac-227		≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥ DCNUCC(1)
DCLR ≥ Unsaturated zone 1 (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥
DCNUCU(1,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥
DCNUCU(1,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥
DCNUCU(1,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)		≥ 0.000E+00	≥ 2.000E+01	≥ ---	≥
DCNUCU(1,4)					
DCLR ≥ Saturated zone (cm**3/g)		≥ 0.000E+00	≥ 2.000E+01	≥ ---	≥ DCNUCS(1)
DCLR ≥ Sediment in surface water body (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥
DCNUCSWB(1)					
DCLR ≥ Agricultural area 1 (cm**3/g)		≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥

DCNUCOF(1,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(1,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(1,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(1,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.300E+02	≥ 2.000E+01	≥ ---	≥	
DCNUCDWE(1)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.947E-06	≥ ALEACH(1)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(1)	
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for Al-26	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥ DCNUCC(2)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCU(2,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCU(2,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCU(2,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCU(2,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCS(2)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCSWB(2)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(2,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(2,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(2,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(2,4)					

DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.300E+02	≥ 0.000E+00	≥ ---	≥
DCNUCDWE(2)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.947E-06	≥ ALEACH(2)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(2)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Am-241	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥ DCNUCC(3)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+03	≥ 2.000E+01	≥ ---	≥
DCNUCU(3,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+03	≥ 2.000E+01	≥ ---	≥
DCNUCU(3,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+03	≥ 2.000E+01	≥ ---	≥
DCNUCU(3,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+01	≥ ---	≥
DCNUCU(3,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+01	≥ ---	≥ DCNUCS(3)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCSWB(3)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCOF(3,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCOF(3,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCOF(3,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCOF(3,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥
DCNUCDWE(3)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.825E-07	≥ ALEACH(3)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(3)

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Site-Specific Parameter Summary (continued)

Parameter	User	RESRAD	
Menu	Input	Default	computed
Parameter			Name
~~~~~			
DCLR ≥ Distribution coefficients for Cf-249	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCU(5,1)			
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCU(5,2)			
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCU(5,3)			
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---
DCNUCU(5,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCSWB(5)			
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCOF(5,1)			
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCOF(5,2)			
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCOF(5,3)			
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCOF(5,4)			
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---
DCNUCDWE(5)			
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.947E-06

DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(5)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Cf-251	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥ DCNUCC(8)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCU(8,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCU(8,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCU(8,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥
DCNUCU(8,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥ DCNUCS(8)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCSWB(8)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(8,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(8,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(8,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(8,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCDWE(8)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.947E-06	≥ ALEACH(8)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(8)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Cf-252	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥ DCNUCC(9)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCU(9,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥

DCNUCU(9,2)					
DCLR ≥	Unsaturated zone 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCU(9,3)					
DCLR ≥	Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥
DCNUCU(9,4)					
DCLR ≥	Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥ DCNUCS(9)
DCLR ≥	Sediment in surface water body (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCSWB(9)					
DCLR ≥	Agricultural area 1 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(9,1)					
DCLR ≥	Agricultural area 2 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(9,2)					
DCLR ≥	Agricultural area 3 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(9,3)					
DCLR ≥	Agricultural area 4 (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCOF(9,4)					
DCLR ≥	Offsite Dwelling (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥ ---	≥
DCNUCDWE(9)					
DCLR ≥	Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.947E-06	≥ ALEACH(9)
DCLR ≥	Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(9)

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Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥
Parameter									
Menu ≥		Parameter	≥	Input	≥	Default	≥	computed	≥
Name									
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff									
DCLR ≥		Distribution coefficients for Cl-36	≥		≥		≥		≥



DCLR ≥ Contaminated zone (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥ DCNUCC(14)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCU(14,1)	
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCU(14,2)	
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCU(14,3)	
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCU(14,4)	
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥ DCNUCS(14)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCSWB(14)	
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCOF(14,1)	
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCOF(14,2)	
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCOF(14,3)	
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCOF(14,4)	
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥
DCNUCDWE(14)	
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 7.266E-03 ≥ ALEACH(14)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(14)
≥	≥ ≥ ≥ ≥
DCLR ≥ Distribution coefficients for Co-60	≥ ≥ ≥ ≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 4.500E-01 ≥ 1.000E+03 ≥ --- ≥ DCNUCC(22)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.500E-01 ≥ 1.000E+03 ≥ --- ≥
DCNUCU(22,1)	
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.500E-01 ≥ 1.000E+03 ≥ --- ≥
DCNUCU(22,2)	
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.500E-01 ≥ 1.000E+03 ≥ --- ≥
DCNUCU(22,3)	

DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.000E+03	≥ ---	≥
DCNUCU(22,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.000E+03	≥ ---	≥ DCNUCS(22)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCSWB(22)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCOF(22,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCOF(22,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCOF(22,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCOF(22,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 4.500E-01	≥ 1.000E+03	≥ ---	≥
DCNUCDWE(22)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.623E-04	≥ ALEACH(22)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(22)
≥	≥	≥		≥
DCLR ≥ Distribution coefficients for Cs-134	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥ DCNUCC(23)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥
DCNUCU(23,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥
DCNUCU(23,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥
DCNUCU(23,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 4.600E+03	≥ ---	≥
DCNUCU(23,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 4.600E+03	≥ ---	≥ DCNUCS(23)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥
DCNUCSWB(23)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ ---	≥
DCNUCOF(23,1)				

DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.500E+01 ≥ 4.600E+03 ≥ --- ≥
DCNUCOF(23,2)	
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.500E+01 ≥ 4.600E+03 ≥ --- ≥
DCNUCOF(23,3)	
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.500E+01 ≥ 4.600E+03 ≥ --- ≥
DCNUCOF(23,4)	
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.500E+01 ≥ 4.600E+03 ≥ --- ≥
DCNUCDWE(23)	
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 2.546E-05 ≥ ALEACH(23)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(23)
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0 ≥	≥ User	≥ RESRAD	≥
Parameter	Input	Default	computed
Menu ≥	Parameter	≥	Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff			
DCLR ≥ Distribution coefficients for Cs-137	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ --- ≥ DCNUCC(24)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ --- ≥
DCNUCU(24,1)			
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ --- ≥
DCNUCU(24,2)			
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.500E+01	≥ 4.600E+03	≥ --- ≥
DCNUCU(24,3)			
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 4.600E+03	≥ --- ≥
DCNUCU(24,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 4.600E+03	≥ --- ≥ DCNUCS(24)

DCLR ≥ Sediment in surface water body (cm**3/g) DCNUCSWB(24)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Agricultural area 1 (cm**3/g) DCNUCOF(24,1)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(24,2)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(24,3)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(24,4)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Offsite Dwelling (cm**3/g) DCNUCDWE(24)	≥ 1.500E+01 ≥ 4.600E+03 ≥	---	≥
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 2.546E-05	≥ ALEACH(24)	
DCLR ≥ Solubility constant ≥	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used	≥ SOLUB0(24)	
DCLR ≥ Distribution coefficients for Eu-154	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥ DCNUCC(25)
DCLR ≥ Unsaturated zone 1 (cm**3/g) DCNUCU(25,1)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Unsaturated zone 2 (cm**3/g) DCNUCU(25,2)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Unsaturated zone 3 (cm**3/g) DCNUCU(25,3)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Unsaturated zone 4 (cm**3/g) DCNUCU(25,4)	≥ 0.000E+00 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 8.250E+02 ≥	---	≥ DCNUCS(25)
DCLR ≥ Sediment in surface water body (cm**3/g) DCNUCSWB(25)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Agricultural area 1 (cm**3/g) DCNUCOF(25,1)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(25,2)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01 ≥ 8.250E+02 ≥	---	≥

DCNUCOF(25,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(25,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCDWE(25)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(25)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(25)	
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for Eu-155	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥ DCNUCC(26)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(26,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(26,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(26,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥	
DCNUCU(26,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥ DCNUCS(26)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCSWB(26)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(26,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(26,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(26,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(26,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCDWE(26)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(26)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(26)	

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0	≥	≥	User	≥	RESRAD	≥	
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥
						computed	≥
							Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff							
DCLR	≥	Distribution coefficients for H-3	≥		≥		≥
DCLR	≥	Contaminated zone (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCLR	≥	Unsaturated zone 1 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCU(27,1)							
DCLR	≥	Unsaturated zone 2 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCU(27,2)							
DCLR	≥	Unsaturated zone 3 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCU(27,3)							
DCLR	≥	Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCU(27,4)							
DCLR	≥	Saturated zone (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCLR	≥	Sediment in surface water body (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCSWB(27)							
DCLR	≥	Agricultural area 1 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCOF(27,1)							
DCLR	≥	Agricultural area 2 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCOF(27,2)							
DCLR	≥	Agricultural area 3 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCOF(27,3)							
DCLR	≥	Agricultural area 4 (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥
DCNUCOF(27,4)							

DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCDWE(27)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.266E-03	≥ ALEACH(27)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(27)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Ho-166m	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥ DCNUCC(28)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCU(28,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCU(28,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCU(28,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 8.000E+02	≥ ---	≥
DCNUCU(28,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 8.000E+02	≥ ---	≥ DCNUCS(28)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCSWB(28)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCOF(28,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCOF(28,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCOF(28,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCOF(28,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.500E+02	≥ 8.000E+02	≥ ---	≥
DCNUCDWE(28)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.533E-06	≥ ALEACH(28)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(28)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Na-22	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥ DCNUCC(29)

DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCU(29,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCU(29,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCU(29,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.000E+01	≥ ---	≥
DCNUCU(29,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.000E+01	≥ ---	≥ DCNUCS(29)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCSWB(29)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCOF(29,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCOF(29,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCOF(29,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCOF(29,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥
DCNUCDWE(29)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 3.812E-05	≥ ALEACH(29)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(29)

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## Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥ RESRAD	≥
Parameter				
Menu ≥	Parameter	≥ Input	≥ Default	≥ computed ≥ Name



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DCLR ≥ Distribution coefficients for Np-237	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥ DCNUCC(30)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.200E+00	≥ 2.570E+02	≥ ---	≥
DCNUCU(30,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.200E+00	≥ 2.570E+02	≥ ---	≥
DCNUCU(30,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.200E+00	≥ 2.570E+02	≥ ---	≥
DCNUCU(30,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.570E+02	≥ ---	≥
DCNUCU(30,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.570E+02	≥ ---	≥ DCNUCS(30)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCSWB(30)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCOF(30,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCOF(30,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCOF(30,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCOF(30,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.500E+00	≥ 2.570E+02	≥ ---	≥
DCNUCDWE(30)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.074E-05	≥ ALEACH(30)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(30)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Pb-210	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥ DCNUCC(32)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥
DCNUCU(32,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥

DCNUCU(32,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCU(32,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.000E+02	≥ ---	≥	
DCNUCU(32,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.000E+02	≥ ---	≥	DCNUCS(32)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCSWB(32)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCOF(32,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCOF(32,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCOF(32,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCOF(32,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.500E+01	≥ 1.000E+02	≥ ---	≥	
DCNUCDWE(32)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.530E-05	≥	ALEACH(32)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥	SOLUB0(32)
≥	≥	≥		≥	
DCLR ≥ Distribution coefficients for Pm-147	≥	≥		≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	DCNUCC(33)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(33,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(33,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(33,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥	
DCNUCU(33,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥	DCNUCS(33)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	

DCNUCSWB(33)  
 DCLR ≥ Agricultural area 1 (cm**3/g) ≥ 5.000E+01 ≥ 8.250E+02 ≥ --- ≥  
 DCNUCOF(33,1)  
 DCLR ≥ Agricultural area 2 (cm**3/g) ≥ 5.000E+01 ≥ 8.250E+02 ≥ --- ≥  
 DCNUCOF(33,2)  
 DCLR ≥ Agricultural area 3 (cm**3/g) ≥ 5.000E+01 ≥ 8.250E+02 ≥ --- ≥  
 DCNUCOF(33,3)  
 DCLR ≥ Agricultural area 4 (cm**3/g) ≥ 5.000E+01 ≥ 8.250E+02 ≥ --- ≥  
 DCNUCOF(33,4)  
 DCLR ≥ Offsite Dwelling (cm**3/g) ≥ 5.000E+01 ≥ 8.250E+02 ≥ --- ≥  
 DCNUCDWE(33)  
 DCLR ≥ Leach rate (/yr) ≥ 0.000E+00 ≥ 0.000E+00 ≥ 7.657E-06 ≥ ALEACH(33)  
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(33)  
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 Parent Dose Report  
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0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed
							≥ Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff							
DCLR	≥	Distribution coefficients for Pu-238	≥		≥		≥
DCLR	≥	Contaminated zone (cm**3/g)	≥	7.100E+02	≥	2.000E+03	≥ --- ≥ DCNUCC(35)
DCLR	≥	Unsaturated zone 1 (cm**3/g)	≥	4.100E+00	≥	2.000E+03	≥ --- ≥
DCNUCU(35,1)							
DCLR	≥	Unsaturated zone 2 (cm**3/g)	≥	4.100E+00	≥	2.000E+03	≥ --- ≥
DCNUCU(35,2)							
DCLR	≥	Unsaturated zone 3 (cm**3/g)	≥	4.100E+00	≥	2.000E+03	≥ --- ≥
DCNUCU(35,3)							

DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00 ≥ 2.000E+03 ≥	---	≥
DCNUCU(35,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 2.000E+03 ≥	---	≥ DCNUCS(35)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCSWB(35)			
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCOF(35,1)			
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCOF(35,2)			
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCOF(35,3)			
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCOF(35,4)			
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCDWE(35)			
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 5.397E-07		≥ ALEACH(35)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used		≥ SOLUB0(35)
≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Pu-239	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥ DCNUCC(37)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00 ≥ 2.000E+03 ≥	---	≥
DCNUCU(37,1)			
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00 ≥ 2.000E+03 ≥	---	≥
DCNUCU(37,2)			
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00 ≥ 2.000E+03 ≥	---	≥
DCNUCU(37,3)			
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00 ≥ 2.000E+03 ≥	---	≥
DCNUCU(37,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 2.000E+03 ≥	---	≥ DCNUCS(37)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCSWB(37)			
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥	---	≥
DCNUCOF(37,1)			

DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(37,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(37,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(37,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCDWE(37)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.397E-07	≥ ALEACH(37)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(37)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Pu-240	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥ DCNUCC(38)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(38,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(38,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(38,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(38,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥ DCNUCS(38)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCSWB(38)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(38,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(38,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(38,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(38,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥

DCNUCDWE(38)

DCLR ≥ Leach rate (/yr) ≥ 0.000E+00 ≥ 0.000E+00 ≥ 5.397E-07 ≥ ALEACH(38)  
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(38)  
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## Site-Specific Parameter Summary (continued)

0 ≥	≥ User	≥ RESRAD	≥
Parameter	Input	Default	computed
Menu ≥	Parameter	≥	Name
fffff~fffff	fffff	fffff	fffff
DCLR ≥ Distribution coefficients for Pu-241	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---
DCNUCU(40,1)			
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---
DCNUCU(40,2)			
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---
DCNUCU(40,3)			
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---
DCNUCU(40,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---
DCNUCSWB(40)			
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---
DCNUCOF(40,1)			
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---
DCNUCOF(40,2)			
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---

DCNUCOF(40,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(40,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCDWE(40)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.397E-07	≥ ALEACH(40)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(40)	
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for Pu-242	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥ DCNUCC(42)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(42,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(42,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(42,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(42,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥ DCNUCS(42)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCSWB(42)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(42,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(42,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(42,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(42,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCDWE(42)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.397E-07	≥ ALEACH(42)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(42)	

≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Ra-226	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥ DCNUCC(48)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCU(48,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCU(48,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCU(48,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 7.000E+01	≥ ---	≥
DCNUCU(48,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 7.000E+01	≥ ---	≥ DCNUCS(48)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCSWB(48)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCOF(48,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCOF(48,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCOF(48,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCOF(48,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.000E+03	≥ 7.000E+01	≥ ---	≥
DCNUCDWE(48)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 3.832E-07	≥ ALEACH(48)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(48)
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Site-Specific Parameter Summary (continued)

0 ≥ ≥ User ≥ RESRAD ≥



Parameter Menu ≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff									
fffff									
DCLR ≥	Distribution coefficients for Ra-228	≥		≥		≥		≥	
DCLR ≥	Contaminated zone (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	DCNUCC(49)
DCLR ≥	Unsaturated zone 1 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCU(49,1)									
DCLR ≥	Unsaturated zone 2 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCU(49,2)									
DCLR ≥	Unsaturated zone 3 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCU(49,3)									
DCLR ≥	Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥	7.000E+01	≥	---	≥	
DCNUCU(49,4)									
DCLR ≥	Saturated zone (cm**3/g)	≥	0.000E+00	≥	7.000E+01	≥	---	≥	DCNUCS(49)
DCLR ≥	Sediment in surface water body (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCSWB(49)									
DCLR ≥	Agricultural area 1 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCOF(49,1)									
DCLR ≥	Agricultural area 2 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCOF(49,2)									
DCLR ≥	Agricultural area 3 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCOF(49,3)									
DCLR ≥	Agricultural area 4 (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCOF(49,4)									
DCLR ≥	Offsite Dwelling (cm**3/g)	≥	1.000E+03	≥	7.000E+01	≥	---	≥	
DCNUCDWE(49)									
DCLR ≥	Leach rate (/yr)	≥	0.000E+00	≥	0.000E+00	≥	3.832E-07	≥	ALEACH(49)
DCLR ≥	Solubility constant	≥	0.000E+00	≥	0.000E+00	≥	not used	≥	SOLUB0(49)
≥		≥		≥		≥		≥	
DCLR ≥	Distribution coefficients for Ru-106	≥		≥		≥		≥	
DCLR ≥	Contaminated zone (cm**3/g)	≥	0.000E+00	≥	0.000E+00	≥	---	≥	DCNUCC(50)

DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(50,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(50,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(50,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(50,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCS(50)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCSWB(50)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(50,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(50,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(50,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(50,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCDWE(50)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.266E-03	≥ ALEACH(50)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(50)
≥	≥	≥		≥
DCLR ≥ Distribution coefficients for Sb-125	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCC(51)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(51,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(51,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(51,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

DCNUCU(51,4)						
DCLR ≥	Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	DCNUCS(51)
DCLR ≥	Sediment in surface water body (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCSWB(51)						
DCLR ≥	Agricultural area 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(51,1)						
DCLR ≥	Agricultural area 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(51,2)						
DCLR ≥	Agricultural area 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(51,3)						
DCLR ≥	Agricultural area 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(51,4)						
DCLR ≥	Offsite Dwelling (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCDWE(51)						
DCLR ≥	Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.266E-03	≥	ALEACH(51)
DCLR ≥	Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥	SOLUB0(51)

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## Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥	
Parameter										
Menu ≥		Parameter	≥	Input	≥	Default	≥	computed	≥	Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff										
DCLR ≥		Distribution coefficients for Sm-151	≥		≥		≥		≥	
DCLR ≥		Contaminated zone (cm**3/g)	≥	5.000E+01	≥	8.250E+02	≥	---	≥	DCNUCC(54)
DCLR ≥		Unsaturated zone 1 (cm**3/g)	≥	5.000E+01	≥	8.250E+02	≥	---	≥	
DCNUCU(54,1)										
DCLR ≥		Unsaturated zone 2 (cm**3/g)	≥	5.000E+01	≥	8.250E+02	≥	---	≥	

DCNUCU(54,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCU(54,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥	
DCNUCU(54,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥	DCNUCS(54)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCSWB(54)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(54,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(54,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(54,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCOF(54,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥	
DCNUCDWE(54)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥	ALEACH(54)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥	SOLUB0(54)
≥	≥	≥		≥	
DCLR ≥ Distribution coefficients for Sn-121m	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	DCNUCC(55)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(55,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(55,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(55,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCU(55,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	DCNUCS(55)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	

DCNUCSWB(55)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(55,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(55,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(55,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(55,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCDWE(55)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(55)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(55)	
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for Sn-126	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥ DCNUCC(56)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(56,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(56,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCU(56,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DCNUCU(56,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCS(56)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCSWB(56)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(56,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(56,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 0.000E+00	≥ ---	≥	
DCNUCOF(56,3)					

DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01 ≥ 0.000E+00 ≥ --- ≥
DCNUCOF(56,4)	
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01 ≥ 0.000E+00 ≥ --- ≥
DCNUCDWE(56)	
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 7.657E-06 ≥ ALEACH(56)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(56)
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## Site-Specific Parameter Summary (continued)

0 ≥	≥ User ≥	≥ RESRAD ≥
Parameter		
Menu ≥	≥ Input ≥ Default ≥ computed ≥	≥ Name
~~~~~		
DCLR ≥ Distribution coefficients for Sr-90	≥ ≥ ≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥ DCNUCC(57)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥
DCNUCU(57,1)		
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥
DCNUCU(57,2)		
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥
DCNUCU(57,3)		
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00 ≥ 3.000E+01 ≥ ---	≥
DCNUCU(57,4)		
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 3.000E+01 ≥ ---	≥ DCNUCS(57)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥
DCNUCSWB(57)		
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.000E+01 ≥ 3.000E+01 ≥ ---	≥
DCNUCOF(57,1)		

DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(57,2)	≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(57,3)	≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(57,4)	≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥
DCLR ≥ Offsite Dwelling (cm**3/g) DCNUCDWE(57)	≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 5.471E-06 ≥ ALEACH(57)
DCLR ≥ Solubility constant ≥	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(57) ≥ ≥ ≥ ≥
DCLR ≥ Distribution coefficients for Th-228	≥ ≥ ≥ ≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥ DCNUCC(59)
DCLR ≥ Unsaturated zone 1 (cm**3/g) DCNUCU(59,1)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Unsaturated zone 2 (cm**3/g) DCNUCU(59,2)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Unsaturated zone 3 (cm**3/g) DCNUCU(59,3)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Unsaturated zone 4 (cm**3/g) DCNUCU(59,4)	≥ 0.000E+00 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 6.000E+04 ≥ --- ≥ DCNUCS(59)
DCLR ≥ Sediment in surface water body (cm**3/g) DCNUCSWB(59)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Agricultural area 1 (cm**3/g) DCNUCOF(59,1)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(59,2)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(59,3)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(59,4)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥

DCNUCDWE(59)

DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 3.832E-08	≥ ALEACH(59)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(59)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for Th-230	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥ DCNUCC(61)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCU(61,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCU(61,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCU(61,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 6.000E+04	≥ ---	≥
DCNUCU(61,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 6.000E+04	≥ ---	≥ DCNUCS(61)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCSWB(61)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCOF(61,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCOF(61,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCOF(61,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCOF(61,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.000E+04	≥ 6.000E+04	≥ ---	≥
DCNUCDWE(61)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 3.832E-08	≥ ALEACH(61)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(61)

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Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	RESRAD	≥
Parameter						
Menu	Parameter		Input	Default	computed	Name
fffff~	fffff~	fffff~	fffff~	fffff~	fffff~	fffff~
fffff	fffff	fffff	fffff	fffff	fffff	fffff
	DCLR ≥ Distribution coefficients for Th-232	≥	≥	≥	≥	
	DCLR ≥ Contaminated zone (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥ DCNUCC(62)
	DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCU(62,1)					
	DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCU(62,2)					
	DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCU(62,3)					
	DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥ 6.000E+04	≥ ---	≥
	DCNUCU(62,4)					
	DCLR ≥ Saturated zone (cm**3/g)	≥	0.000E+00	≥ 6.000E+04	≥ ---	≥ DCNUCS(62)
	DCLR ≥ Sediment in surface water body (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCSWB(62)					
	DCLR ≥ Agricultural area 1 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCOF(62,1)					
	DCLR ≥ Agricultural area 2 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCOF(62,2)					
	DCLR ≥ Agricultural area 3 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCOF(62,3)					
	DCLR ≥ Agricultural area 4 (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCOF(62,4)					
	DCLR ≥ Offsite Dwelling (cm**3/g)	≥	1.000E+04	≥ 6.000E+04	≥ ---	≥
	DCNUCDWE(62)					
	DCLR ≥ Leach rate (/yr)	≥	0.000E+00	≥ 0.000E+00	≥ 3.832E-08	≥ ALEACH(62)
	DCLR ≥ Solubility constant	≥	0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(62)

≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for U-233	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥ DCNUCC(63)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(63,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(63,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(63,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(63,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥ DCNUCS(63)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCSWB(63)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(63,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(63,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(63,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(63,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCDWE(63)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.445E-04	≥ ALEACH(63)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(63)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for U-234	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥ DCNUCC(64)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(64,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(64,2)				

DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(64,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(64,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥ DCNUCS(64)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCSWB(64)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(64,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(64,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(64,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(64,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCDWE(64)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.445E-04	≥ ALEACH(64)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(64)

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Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥	≥ RESRAD	≥
Parameter					
Menu ≥	Parameter	≥ Input	≥ Default	≥ computed	≥ Name
fffff~	fffff~	fffff~	fffff~	fffff~	fffff~
fffff					
DCLR ≥ Distribution coefficients for U-235		≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)		≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥ DCNUCC(65)

DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(65,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(65,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(65,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(65,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥ DCNUCS(65)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCSWB(65)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(65,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(65,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(65,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCOF(65,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥
DCNUCDWE(65)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.445E-04	≥ ALEACH(65)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(65)
≥	≥	≥		≥
DCLR ≥ Distribution coefficients for U-236	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥ DCNUCC(66)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(66,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(66,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥
DCNUCU(66,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥

DCNUCU(66,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥ DCNUCS(66)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCSWB(66)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCOF(66,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCOF(66,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCOF(66,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCOF(66,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCDWE(66)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.445E-04	≥ ALEACH(66)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(66)	
≥	≥	≥		≥	
DCLR ≥ Distribution coefficients for U-238	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥ DCNUCC(67)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCU(67,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCU(67,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 2.400E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCU(67,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCU(67,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥ ---	≥ DCNUCS(67)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCSWB(67)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	
DCNUCOF(67,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.600E+00	≥ 5.000E+01	≥ ---	≥	

DCNUCOF(67,2)
 DCLR ≥ Agricultural area 3 (cm**3/g) ≥ 2.600E+00 ≥ 5.000E+01 ≥ --- ≥
 DCNUCOF(67,3)
 DCLR ≥ Agricultural area 4 (cm**3/g) ≥ 2.600E+00 ≥ 5.000E+01 ≥ --- ≥
 DCNUCOF(67,4)
 DCLR ≥ Offsite Dwelling (cm**3/g) ≥ 2.600E+00 ≥ 5.000E+01 ≥ --- ≥
 DCNUCDWE(67)
 DCLR ≥ Leach rate (/yr) ≥ 0.000E+00 ≥ 0.000E+00 ≥ 1.445E-04 ≥ ALEACH(67)
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(67)
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 Parent Dose Report
 Title : RCTP - Without Cap - Hydro Modeling
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Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed ≥ Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff							
DCLR	≥	Distribution coefficients for progeny Am-243	≥		≥		≥
DCLR	≥	Contaminated zone (cm**3/g)	≥	2.100E+03	≥	2.000E+01	≥ --- ≥ DCNUCC(4)
DCLR	≥	Unsaturated zone 1 (cm**3/g)	≥	2.400E+03	≥	2.000E+01	≥ --- ≥
DCNUCU(4,1)							
DCLR	≥	Unsaturated zone 2 (cm**3/g)	≥	2.400E+03	≥	2.000E+01	≥ --- ≥
DCNUCU(4,2)							
DCLR	≥	Unsaturated zone 3 (cm**3/g)	≥	2.400E+03	≥	2.000E+01	≥ --- ≥
DCNUCU(4,3)							
DCLR	≥	Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥	2.000E+01	≥ --- ≥
DCNUCU(4,4)							
DCLR	≥	Saturated zone (cm**3/g)	≥	0.000E+00	≥	2.000E+01	≥ --- ≥ DCNUCS(4)
DCLR	≥	Sediment in surface water body (cm**3/g)	≥	2.100E+03	≥	2.000E+01	≥ --- ≥

DCNUCSWB(4)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(4,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(4,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(4,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥	
DCNUCOF(4,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 2.100E+03	≥ 2.000E+01	≥ ---	≥	
DCNUCDWE(4)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 1.825E-07	≥ ALEACH(4)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(4)	
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for progeny Cm-245	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥ DCNUCC(15)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCU(15,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCU(15,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCU(15,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥	
DCNUCU(15,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥ DCNUCS(15)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCSWB(15)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCOF(15,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCOF(15,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥	
DCNUCOF(15,3)					

DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCOF(15,4)			
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCDWE(15)			
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 7.657E-06		≥ ALEACH(15)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used		≥ SOLUB0(15)
≥	≥	≥	≥
DCLR ≥ Distribution coefficients for progeny Cm-245	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥ DCNUCC(16)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCU(16,1)			
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCU(16,2)			
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCU(16,3)			
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00 ≥ 1.380E+03 ≥	---	≥
DCNUCU(16,4)			
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 1.380E+03 ≥	---	≥ DCNUCS(16)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCSWB(16)			
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCOF(16,1)			
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCOF(16,2)			
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCOF(16,3)			
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCOF(16,4)			
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01 ≥ 1.380E+03 ≥	---	≥
DCNUCDWE(16)			
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 7.657E-06		≥ ALEACH(16)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used		≥ SOLUB0(16)

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥
						computed	≥
							Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff							
DCLR	≥	Distribution coefficients for progeny Cm-247	≥		≥		≥
DCLR	≥	Contaminated zone (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥ DCNUCC(17)
DCLR	≥	Unsaturated zone 1 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCU(17,1)							
DCLR	≥	Unsaturated zone 2 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCU(17,2)							
DCLR	≥	Unsaturated zone 3 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCU(17,3)							
DCLR	≥	Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥	1.380E+03	≥ --- ≥
DCNUCU(17,4)							
DCLR	≥	Saturated zone (cm**3/g)	≥	0.000E+00	≥	1.380E+03	≥ --- ≥ DCNUCS(17)
DCLR	≥	Sediment in surface water body (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCSWB(17)							
DCLR	≥	Agricultural area 1 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCOF(17,1)							
DCLR	≥	Agricultural area 2 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCOF(17,2)							
DCLR	≥	Agricultural area 3 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCOF(17,3)							
DCLR	≥	Agricultural area 4 (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥
DCNUCOF(17,4)							
DCLR	≥	Offsite Dwelling (cm**3/g)	≥	5.000E+01	≥	1.380E+03	≥ --- ≥

DCNUCDWE(17)

DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(17)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(17)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for progeny Cm-248	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥ DCNUCC(18)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(18,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(18,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(18,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥
DCNUCU(18,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥ DCNUCS(18)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCSWB(18)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(18,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(18,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(18,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(18,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCDWE(18)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(18)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(18)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for progeny Cm-248	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥ DCNUCC(19)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥

Site-Specific Parameter Summary (continued)						
Parameter	Menu	Parameter	Input	Default	computed	Name
0	≥		≥	User	≥	RESRAD

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DCLR ≥ Distribution coefficients for progeny Cm-248	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥ DCNUCC(20)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(20,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(20,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(20,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥
DCNUCU(20,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥ ---	≥ DCNUCS(20)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCSWB(20)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(20,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(20,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(20,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCOF(20,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCDWE(20)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(20)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(20)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for progeny Cm-248	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥ DCNUCC(21)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(21,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥ ---	≥
DCNUCU(21,2)				

DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCU(21,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥	---	≥
DCNUCU(21,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 1.380E+03	≥	---	≥ DCNUCS(21)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCSWB(21)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCOF(21,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCOF(21,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCOF(21,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCOF(21,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 1.380E+03	≥	---	≥
DCNUCDWE(21)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥	ALEACH(21)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥	SOLUB0(21)
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for progeny Pa-231	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.500E+03	≥ 5.000E+01	≥	---	≥ DCNUCC(31)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.500E+03	≥ 5.000E+01	≥	---	≥
DCNUCU(31,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.500E+03	≥ 5.000E+01	≥	---	≥
DCNUCU(31,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.500E+03	≥ 5.000E+01	≥	---	≥
DCNUCU(31,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥	---	≥
DCNUCU(31,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 5.000E+01	≥	---	≥ DCNUCS(31)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.500E+03	≥ 5.000E+01	≥	---	≥
DCNUCSWB(31)					

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$$0 \leq \dots \leq \text{User} \leq \dots \leq \text{RESRAD} \leq \dots$$

Menu ≥

DCLR \geq Distribution coefficients for progeny Po-210

DCLR ≥ Unsaturated zone 1 (cm**3/q) ≥ 1.000E+01 ≥ 1.000E+01 ≥ --- ≥

DCLR ≥ Unsaturated zone 2 (cm**3/q) ≥ 1.000E+01 ≥ 1.000E+01 ≥ --- ≥

DCLR ≥ Unsaturated zone 3 (cm**3/q) ≥ 1.000E+01 ≥ 1.000E+01 ≥ --- ≥

DCIR > Unsaturated zone 4 (cm**3/a) > 1.000E+01 > 1.000E+01 > --- >

DCNUCU(34,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥ DCNUCS(34)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCSWB(34)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCOF(34,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCOF(34,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCOF(34,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCOF(34,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥	
DCNUCDWE(34)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 3.812E-05	≥ ALEACH(34)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(34)	
≥	≥	≥		≥	
DCLR ≥ Distribution coefficients for progeny Pu-244	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥ DCNUCC(45)	
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(45,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(45,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(45,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(45,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥ DCNUCS(45)	
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCSWB(45)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(45,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	

DCNUCOF(45,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(45,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(45,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCDWE(45)					
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.397E-07	≥	ALEACH(45)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥	SOLUB0(45)
≥	≥	≥	≥	≥	
DCLR ≥ Distribution coefficients for progeny Pu-244	≥	≥	≥	≥	
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	DCNUCC(46)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(46,1)					
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(46,2)					
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(46,3)					
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥	
DCNUCU(46,4)					
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥	DCNUCS(46)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCSWB(46)					
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(46,1)					
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(46,2)					
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(46,3)					
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCOF(46,4)					
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	
DCNUCDWE(46)					

DCLR ≥ Leach rate (/yr) ≥ 0.000E+00 ≥ 0.000E+00 ≥ 5.397E-07 ≥ ALEACH(46)
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(46)
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 Parent Dose Report
 Title : RCTP - Without Cap - Hydro Modeling
 File : RCTP - NO CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

0 ≥	≥ User	≥	≥ RESRAD	≥
Parameter	Input	Default	computed	Name
fffff~ff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff				
DCLR ≥ Distribution coefficients for progeny Pu-244	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥ DCNUCC(47)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(47,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(47,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 4.100E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(47,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥
DCNUCU(47,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 2.000E+03	≥ ---	≥ DCNUCS(47)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCSWB(47)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(47,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(47,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(47,3)				

DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCOF(47,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥
DCNUCDWE(47)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 5.397E-07	≥ ALEACH(47)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(47)
≥	≥	≥	≥	≥
DCLR ≥ Distribution coefficients for progeny Sm-147	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥ DCNUCC(53)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCU(53,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCU(53,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCU(53,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥
DCNUCU(53,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 8.250E+02	≥ ---	≥ DCNUCS(53)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCSWB(53)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCOF(53,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCOF(53,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 4.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCOF(53,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCOF(53,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 5.000E+01	≥ 8.250E+02	≥ ---	≥
DCNUCDWE(53)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.657E-06	≥ ALEACH(53)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(53)
≥	≥	≥	≥	≥

DCLR ≥ Distribution coefficients for progeny Te-125m	≥	≥	≥	≥
DCLR ≥ Contaminated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCC(58)
DCLR ≥ Unsaturated zone 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(58,1)				
DCLR ≥ Unsaturated zone 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(58,2)				
DCLR ≥ Unsaturated zone 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(58,3)				
DCLR ≥ Unsaturated zone 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCU(58,4)				
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCS(58)
DCLR ≥ Sediment in surface water body (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCSWB(58)				
DCLR ≥ Agricultural area 1 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(58,1)				
DCLR ≥ Agricultural area 2 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(58,2)				
DCLR ≥ Agricultural area 3 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(58,3)				
DCLR ≥ Agricultural area 4 (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCOF(58,4)				
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCNUCDWE(58)				
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 7.266E-03	≥ ALEACH(58)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(58)

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Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥	≥ RESRAD	≥
Parameter					

Menu ≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff~fffff	fffff
DCLR ≥	Distribution coefficients for progeny Th-229	≥		≥		≥		≥	
DCLR ≥	Contaminated zone (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	DCNUCC(60)
DCLR ≥	Unsaturated zone 1 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCU(60,1)									
DCLR ≥	Unsaturated zone 2 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCU(60,2)									
DCLR ≥	Unsaturated zone 3 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCU(60,3)									
DCLR ≥	Unsaturated zone 4 (cm**3/g)	≥	0.000E+00	≥	6.000E+04	≥	---	≥	
DCNUCU(60,4)									
DCLR ≥	Saturated zone (cm**3/g)	≥	0.000E+00	≥	6.000E+04	≥	---	≥	DCNUCS(60)
DCLR ≥	Sediment in surface water body (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCSWB(60)									
DCLR ≥	Agricultural area 1 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCOF(60,1)									
DCLR ≥	Agricultural area 2 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCOF(60,2)									
DCLR ≥	Agricultural area 3 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCOF(60,3)									
DCLR ≥	Agricultural area 4 (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCOF(60,4)									
DCLR ≥	Offsite Dwelling (cm**3/g)	≥	1.000E+04	≥	6.000E+04	≥	---	≥	
DCNUCDWE(60)									
DCLR ≥	Leach rate (/yr)	≥	0.000E+00	≥	0.000E+00	≥	3.832E-08	≥	ALEACH(60)
DCLR ≥	Solubility constant	≥	0.000E+00	≥	0.000E+00	≥	not used	≥	SOLUB0(60)
≥		≥		≥		≥		≥	
LYOT ≥	Bearing of X axis (clockwise angle N-->X in degrees)	≥	9.000E+01	≥	9.000E+01	≥	---	≥	DNXBEARING
LYOT ≥	Length of Primary contamination in X Direction	≥	1.750E+02	≥	1.000E+02	≥	---	≥	
SOURCEXY(1)									

LYOT ≥ Length of Primary contamination in Y Direction SOURCEXY(2)	≥ 1.200E+02 ≥ 1.000E+02 ≥	---	≥
LYOT ≥ Smaller X coordinate of Agricultural Area 1 AGRIX(1,1)	≥ -1.704E+02 ≥ 3.438E+01 ≥	---	≥
LYOT ≥ Larger X coordinate of Agricultural Area 1 AGRIX(2,1)	≥ -1.392E+02 ≥ 6.563E+01 ≥	---	≥
LYOT ≥ Smaller Y coordinate of Agricultural Area 1 AGRIX(3,1)	≥ 1.461E+03 ≥ 2.340E+02 ≥	---	≥
LYOT ≥ Larger Y coordinate of Agricultural Area 1 AGRIX(4,1)	≥ 1.493E+03 ≥ 2.660E+02 ≥	---	≥
LYOT ≥ Smaller X coordinate of Agricultural Area 2 AGRIX(1,2)	≥ -1.387E+02 ≥ 3.438E+01 ≥	---	≥
LYOT ≥ Larger X coordinate of Agricultural Area 2 AGRIX(2,2)	≥ -1.075E+02 ≥ 6.563E+01 ≥	---	≥
LYOT ≥ Smaller Y coordinate of Agricultural Area 2 AGRIX(3,2)	≥ 1.465E+03 ≥ 2.680E+02 ≥	---	≥
LYOT ≥ Larger Y coordinate of Agricultural Area 2 AGRIX(4,2)	≥ 1.497E+03 ≥ 3.000E+02 ≥	---	≥
LYOT ≥ Smaller X coordinate of Agricultural Area 3 AGRIX(1,3)	≥ 1.762E+03 ≥ 0.000E+00 ≥	---	≥
LYOT ≥ Larger X coordinate of Agricultural Area 3 AGRIX(2,3)	≥ 1.862E+03 ≥ 1.000E+02 ≥	---	≥
LYOT ≥ Smaller Y coordinate of Agricultural Area 3 AGRIX(3,3)	≥ 1.430E+03 ≥ 4.500E+02 ≥	---	≥
LYOT ≥ Larger Y coordinate of Agricultural Area 3 AGRIX(4,3)	≥ 1.530E+03 ≥ 5.500E+02 ≥	---	≥
LYOT ≥ Smaller X coordinate of Agricultural Area 4 AGRIX(1,4)	≥ 1.782E+03 ≥ 0.000E+00 ≥	---	≥
LYOT ≥ Larger X coordinate of Agricultural Area 4 AGRIX(2,4)	≥ 1.882E+03 ≥ 1.000E+02 ≥	---	≥
LYOT ≥ Smaller Y coordinate of Agricultural Area 4 AGRIX(3,4)	≥ 1.291E+03 ≥ 3.000E+02 ≥	---	≥
LYOT ≥ Larger Y coordinate of Agricultural Area 4	≥ 1.391E+03 ≥ 4.000E+02 ≥	---	≥

AGRIX(4,4)

LYOT ≥ Smaller X coordinate of Dwelling Area	≥ -1.268E+02	≥ 3.438E+01	≥ ---	≥ DWELLXY(1)
LYOT ≥ Larger X coordinate of Dwelling Area	≥ -9.557E+01	≥ 6.563E+01	≥ ---	≥ DWELLXY(2)
LYOT ≥ Smaller Y coordinate of Dwelling Area	≥ 1.497E+03	≥ 1.340E+02	≥ ---	≥ DWELLXY(3)
LYOT ≥ Larger Y coordinate of Dwelling Area	≥ 1.529E+03	≥ 1.660E+02	≥ ---	≥ DWELLXY(4)
LYOT ≥ Smaller X coordinate of Surface water body	≥ 1.806E+03	≥ -1.000E+02	≥ ---	≥ SWXY(1)
LYOT ≥ Larger X coordinate of Surface water body	≥ 1.858E+03	≥ 2.000E+02	≥ ---	≥ SWXY(2)
LYOT ≥ Smaller Y coordinate of Surface water body	≥ 1.620E+03	≥ 5.500E+02	≥ ---	≥ SWXY(3)
LYOT ≥ Larger Y coordinate of Surface water body	≥ 1.681E+03	≥ 8.500E+02	≥ ---	≥ SWXY(4)
≥	≥	≥	≥	
STOR ≥ Storage times of contaminated foodstuffs (days):	≥	≥	≥	
STOR ≥ Surface water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ STOR_T(1)
STOR ≥ Well water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ STOR_T(2)

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Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥	≥ RESRAD	≥
Parameter					
Menu ≥	Parameter	≥ Input	≥ Default	≥ computed	≥ Name
fffff~	STOR ≥ Fruits, non-leafy vegetables, and grain	≥ 1.400E+01	≥ 1.400E+01	≥ ---	≥ STOR_T(3)
fffff	STOR ≥ Leafy vegetables	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ STOR_T(4)
	STOR ≥ Livestock feed - pasture or silage	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ STOR_T(5)
	STOR ≥ Livestock feed - grain	≥ 4.500E+01	≥ 4.500E+01	≥ ---	≥ STOR_T(6)
	STOR ≥ Meat and poultry	≥ 2.000E+01	≥ 2.000E+01	≥ ---	≥ STOR_T(7)
	STOR ≥ Milk	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ STOR_T(8)
	STOR ≥ Fish	≥ 7.000E+00	≥ 7.000E+00	≥ ---	≥ STOR_T(9)
	STOR ≥ Crustacea and mollusks	≥ 7.000E+00	≥ 7.000E+00	≥ ---	≥ STOR_T(10)

TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ T(2)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 6.000E+00	≥ 3.000E+00	≥ ---	≥ T(3)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 1.200E+01	≥ 6.000E+00	≥ ---	≥ T(4)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 3.000E+01	≥ 1.200E+01	≥ ---	≥ T(5)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 1.000E+02	≥ 3.000E+01	≥ ---	≥ T(6)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 3.000E+02	≥ 7.500E+01	≥ ---	≥ T(7)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ 1.000E+03	≥ 1.750E+02	≥ ---	≥ T(8)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ not used	≥ 4.200E+02	≥ ---	≥ T(9)
TIME ≥ Times at which dose/risk are to be reported (yr)	≥ not used	≥ 9.700E+02	≥ ---	≥ T(10)
SITE ≥ Precipitation (m/yr)	≥ 4.600E-01	≥ 1.000E+00	≥ ---	≥ PRECIP
SITE ≥ Average annual wind speed (m/sec)	≥ 3.179E+00	≥ 2.000E+00	≥ ---	≥ WIND
PRCZ ≥ Area of primary contamination (m**2)	≥ 2.100E+04	≥ 1.000E+04	≥ ---	≥ AREA
PRCZ ≥ Length parallel to aquifer flow (m)	≥ 1.750E+02	≥ 1.000E+02	≥ ---	≥ LCZPAQ
PRCZ ≥ Depth of soil mixing layer (m)	≥ 1.500E-01	≥ 1.500E-01	≥ ---	≥ DM
PRCZ ≥ Deposition velocity of dust (m)	≥ 1.000E-03	≥ 1.000E-03	≥ ---	≥
DEPVEL_DUST				
PRCZ ≥ Irrigation (m/yr)	≥ 0.000E+00	≥ 2.000E-01	≥ ---	≥ RI
PRCZ ≥ Evapotranspiration coefficient	≥ 9.900E-01	≥ 5.000E-01	≥ ---	≥ EVAPTR
PRCZ ≥ Runoff coefficient	≥ 2.500E-01	≥ 2.000E-01	≥ ---	≥ RUNOFF
PRCZ ≥ Rainfall Erosion Index	≥ 2.000E+01	≥ 1.600E+02	≥ ---	≥ RAINEROS
PRCZ ≥ Slope-length-steepness factor of prim. contamination	≥ 3.250E+00	≥ 4.000E-01	≥ ---	≥
SLPLENSTPPC				
PRCZ ≥ Cropping-management factor of primary contamination	≥ 3.000E-03	≥ 3.000E-03	≥ ---	≥ CRPMANGPC
PRCZ ≥ Conservation practice factor of prim. contamination	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ CONVPRACPC
PRCZ ≥ Thickness of contaminated zone (m)	≥ 7.260E+00	≥ 2.000E+00	≥ ---	≥ THICK0
PRCZ ≥ Contaminated zone total porosity	≥ 4.100E-01	≥ 4.000E-01	≥ ---	≥ TPCZ
PRCZ ≥ Computed erosion rate of contaminated zone (m/yr)	≥ 1.409E-05	≥ 1.147E-05	≥ ---	≥ VCZ
PRCZ ≥ Density of contaminated zone (g/cm**3)	≥ 1.240E+00	≥ 1.500E+00	≥ ---	≥ DENSCH
PRCZ ≥ Soil erodibility factor of contaminated zone	≥ 4.000E-01	≥ 4.000E-01	≥ ---	≥
ERODIBILITYCZ				

PRCZ ≥ Contaminated zone field capacity	≥ 8.800E-03	≥ 3.000E-01	≥ ---	≥ FCCZ
PRCZ ≥ Contaminated zone b parameter	≥ 1.000E+00	≥ 5.300E+00	≥ ---	≥ BCZ
PRCZ ≥ Contaminated zone hydraulic conductivity (m/yr)	≥ 3.340E+01	≥ 1.000E+01	≥ ---	≥ HCCZ
PRCZ ≥ Cover depth (m)	≥ 1.000E+00	≥ 0.000E+00	≥ ---	≥ COVER0
PRCZ ≥ Total porosity of the cover material	≥ not used	≥ 4.000E-01	≥ ---	≥ TPCV
PRCZ ≥ Computed erosion rate of cover material (m/yr)	≥ 1.248E-05	≥ 1.147E-05	≥ ---	≥ VCV
PRCZ ≥ Density of cover material (g/cm**3)	≥ 1.400E+00	≥ 1.500E+00	≥ ---	≥ DENS CV
PRCZ ≥ Soil erodibility factor of cover	≥ 4.000E-01	≥ 4.000E-01	≥ ---	≥

ERODIBILITY CV

PRCZ ≥ Volumetric water content of the cover material	≥ not used	≥ 5.000E-02	≥ ---	≥ PH20CV
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0	≥	≥ User	≥	≥ RESRAD	≥
Parameter					
Menu ≥	Parameter	≥ Input	≥ Default	≥ computed	≥ Name
fffff~ff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff					
AGRI ≥	Area1 extent of Agricultural Area 1 (m**2)	≥ 9.984E+02	≥ 1.000E+03	≥ ---	≥ AREA0(1)
AGRI ≥	Fraction of Agri. Area 1 directly over the c.z.	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
FAREA_PLANT(1)					
AGRI ≥	Evapotranspiration coefficient in Agri. Area 1	≥ 9.900E-01	≥ 5.000E-01	≥ ---	≥ EVAPTRN(1)
AGRI ≥	Runoff coefficient in Agricultural Area 1	≥ 2.500E-01	≥ 2.000E-01	≥ ---	≥ RUNOF(1)
AGRI ≥	Mixing depth/plow layer of Agricultural Area 1	≥ 1.500E-01	≥ 1.500E-01	≥ ---	≥
DPTHMIXG(1)					
AGRI ≥	Water filled porosity of soil in Agri. Area 1	≥ 3.000E-01	≥ 3.000E-01	≥ ---	≥ TMOF(1)
AGRI ≥	Computed erosion rate of soil in Agri. Are1	≥ 1.536E-06	≥ 1.147E-05	≥ ---	≥ EROSN(1)
AGRI ≥	Dry Bulk Density of soil in Agricultural Area 1	≥ 1.400E+00	≥ 1.500E+00	≥ ---	≥ RHOB(1)
AGRI ≥	Soil erodibility factor of Agricultural Area 1	≥ 4.000E-01	≥ 4.000E-01	≥ ---	≥

ERODIBILITY(1)

AGRI ≥ Slope-length-steepness factor, Agricultural Area 1 ≥ 4.000E-01 ≥ 4.000E-01 ≥ --- ≥

SLPLENSTP(1)

AGRI ≥ Cropping-management factor of Agricultural Area 1 ≥ 3.000E-03 ≥ 3.000E-03 ≥ --- ≥ CRPMANG(1)

AGRI ≥ Conservation practice factor of Agricultural Area 1 ≥ 1.000E+00 ≥ 1.000E+00 ≥ --- ≥

CONVPAC(1)

AGRI ≥ Areal extent of Agricultural Area 2 (m**2) ≥ 9.984E+02 ≥ 1.000E+03 ≥ --- ≥ AREA0(2)

AGRI ≥ Fraction of Agri. Area 2 directly over the c.z. ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥

FAREA_PLANT(2)

AGRI ≥ Evapotranspiration coefficient in Agri. Area 2 ≥ 9.900E-01 ≥ 5.000E-01 ≥ --- ≥ EVAPTRN(2)

AGRI ≥ Runoff coefficient in Agricultural Area 2 ≥ 2.500E-01 ≥ 2.000E-01 ≥ --- ≥ RUNOF(2)

AGRI ≥ Mixing depth/plow layer of Agricultural Area 2 ≥ 1.500E-01 ≥ 1.500E-01 ≥ --- ≥

DPTHMIXG(2)

AGRI ≥ Water filled porosity of soil in Agri. Area 2 ≥ 3.000E-01 ≥ 3.000E-01 ≥ --- ≥ TMOF(2)

AGRI ≥ Computed erosion rate of soil in Agri. Area 2 ≥ 1.536E-06 ≥ 1.147E-05 ≥ --- ≥ EROSN(2)

AGRI ≥ Dry Bulk Density of soil in Agricultural Area 2 ≥ 1.400E+00 ≥ 1.500E+00 ≥ --- ≥ RHOB(2)

AGRI ≥ Soil erodibility factor of Agricultural Area 2 ≥ 4.000E-01 ≥ 4.000E-01 ≥ --- ≥

ERODIBILITY(2)

AGRI ≥ Slope-length-steepness factor, Agricultural Area 2 ≥ 4.000E-01 ≥ 4.000E-01 ≥ --- ≥

SLPLENSTP(2)

AGRI ≥ Cropping-management factor of Agricultural Area 2 ≥ 3.000E-03 ≥ 3.000E-03 ≥ --- ≥ CRPMANG(2)

AGRI ≥ Conservation practice factor of Agricultural Area 2 ≥ 1.000E+00 ≥ 1.000E+00 ≥ --- ≥

CONVPAC(2)

AGRI ≥ Areal extent of Agricultural Area 3 (m**2) ≥ 1.000E+04 ≥ 1.000E+04 ≥ --- ≥ AREA0(3)

AGRI ≥ Fraction of Agri. Area 3 directly over the c.z. ≥ not used ≥ 0.000E+00 ≥ --- ≥

FAREA_PLANT(3)

AGRI ≥ Evapotranspiration coefficient in Agri. Area 3 ≥ 9.900E-01 ≥ 5.000E-01 ≥ --- ≥ EVAPTRN(3)

AGRI ≥ Runoff coefficient in Agricultural Area 3 ≥ 2.500E-01 ≥ 2.000E-01 ≥ --- ≥ RUNOF(3)

AGRI ≥ Mixing depth/plow layer of Agricultural Area 3 ≥ 1.500E-01 ≥ 1.500E-01 ≥ --- ≥

DPTHMIXG(3)

AGRI ≥ Water filled porosity of soil in Agri. Area 3 ≥ 3.000E-01 ≥ 3.000E-01 ≥ --- ≥ TMOF(3)

AGRI ≥ Computed erosion rate of soil in Agri. Area 3 ≥ 1.536E-06 ≥ 1.147E-05 ≥ --- ≥ EROSN(3)

AGRI ≥ Dry Bulk Density of soil in Agricultural Area 3 ≥ 1.400E+00 ≥ 1.500E+00 ≥ --- ≥ RHOB(3)

AGRI ≥ Soil erodibility factor of Agricultural Area 3	≥ 4.000E-01	≥ 4.000E-01	≥	---	≥
ERODIBILITY(3)					
AGRI ≥ Slope-length-steepness factor, Agricultural Area 3	≥ 4.000E-01	≥ 4.000E-01	≥	---	≥
SLPLENSTP(3)					
AGRI ≥ Cropping-management factor of Agricultural Area 3	≥ 3.000E-03	≥ 3.000E-03	≥	---	≥ CRPMANG(3)
AGRI ≥ Conservation practice factor of Agricultural Area 3	≥ 1.000E+00	≥ 1.000E+00	≥	---	≥
CONVPRAC(3)					
AGRI ≥ Areal extent of Agricultural Area 4 (m**2)	≥ 1.000E+04	≥ 1.000E+04	≥	---	≥ AREA0(4)
AGRI ≥ Fraction of Agri. Area 4 directly over the c.z.	≥ not used	≥ 0.000E+00	≥	---	≥
FAREA_PLANT(4)					
AGRI ≥ Evapotranspiration coefficient in Agri. Area 4	≥ 9.900E-01	≥ 5.000E-01	≥	---	≥ EVAPTRN(4)
AGRI ≥ Runoff coefficient in Agricultural Area 4	≥ 2.500E-01	≥ 2.000E-01	≥	---	≥ RUNOF(4)
AGRI ≥ Mixing depth/plow layer of Agricultural Area 4	≥ 1.500E-01	≥ 1.500E-01	≥	---	≥
DPTHMIXG(4)					
AGRI ≥ Water filled porosity of soil in Agri. Area 4	≥ 3.000E-01	≥ 3.000E-01	≥	---	≥ TMOF(4)
AGRI ≥ Computed erosion rate of soil in Agri. Area4	≥ 1.536E-06	≥ 1.147E-05	≥	---	≥ EROSN(4)
AGRI ≥ Dry Bulk Density of soil in Agricultural Area 4	≥ 1.400E+00	≥ 1.500E+00	≥	---	≥ RHOB(4)
AGRI ≥ Soil erodibility factor of Agricultural Area 4	≥ 4.000E-01	≥ 4.000E-01	≥	---	≥
ERODIBILITY(4)					
AGRI ≥ Slope-length-steepness factor, Agricultural Area 4	≥ 4.000E-01	≥ 4.000E-01	≥	---	≥
SLPLENSTP(4)					
AGRI ≥ Cropping-management factor of Agricultural Area 4	≥ 3.000E-03	≥ 3.000E-03	≥	---	≥ CRPMANG(4)

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0	≥		≥	User	≥		≥	RESRAD	≥
Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥
									Name

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AGRI ≥ Conservation practice factor of Agricultural Area 4	≥ 1.000E+00	≥ 1.000E+00	≥	---	≥	
CONVPRAC(4)						
DWEL ≥ Areal extent of Offsite dwelling site (m**2)	≥ 9.994E+02	≥ 1.000E+03	≥	---	≥	AREAODWELL
DWEL ≥ Evapotranspiration coefficient in dwelling (Off)site	≥ 9.900E-01	≥ 5.000E-01	≥	---	≥	
EVAPTRNDWELL						
DWEL ≥ Runoff coefficient in Offsite dwelling site	≥ 2.500E-01	≥ 2.000E-01	≥	---	≥	RUNOFDWELL
DWEL ≥ Mixing depth of Offsite dwelling site	≥ 1.500E-01	≥ 1.500E-01	≥	---	≥	
DPTHMIXGDWELL						
DWEL ≥ Water filled porosity of soil in Offsite Dwelling	≥ 3.000E-01	≥ 3.000E-01	≥	---	≥	TMOFDWELL
DWEL ≥ Computed erosion rate of soil in Offsite Dwelling	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥	EROSNDWELL
DWEL ≥ Dry Bulk Density of soil in Offsite dwelling site	≥ 1.400E+00	≥ 1.500E+00	≥	---	≥	RHOBWDWELL
DWEL ≥ Soil erodibility factor of soil in Dwelling site	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥	
ERODIBILITYDWELL						
DWEL ≥ Slope-length-steepness factor of Dwelling site	≥ 4.000E-01	≥ 4.000E-01	≥	---	≥	
SLPLENSTPDWELL						
DWEL ≥ Cropping-management factor of Dwelling site	≥ 3.000E-03	≥ 3.000E-03	≥	---	≥	
CRPMANGDWELL						
DWEL ≥ Conservation practice factor of Offsite Dwelling sit	≥ 1.000E+00	≥ 1.000E+00	≥	---	≥	
CONVPRACDWELL						
AIRT ≥ Dispersion Coefffficients; 1 = Pasquill-Gifford	≥ 1	≥ 1	≥	---	≥	IDISPMOD
AIRT ≥ Population zone; 1 = Rural	≥ 1	≥ 1	≥	---	≥	IZONE
AIRT ≥ Release height, (m)	≥ 1.000E-01	≥ 1.000E+00	≥	---	≥	AIRRELHT
AIRT ≥ Heat flux for buoyant plume (cal/s),	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥	HEATFLX
AIRT ≥ Anemometer height, (m)	≥ 1.200E+01	≥ 1.000E+01	≥	---	≥	ANH
AIRT ≥ Absolute temperature (Kelvin)	≥ 2.820E+02	≥ 2.850E+02	≥	---	≥	TABK
AIRT ≥ AM atmospheric mixing height (m)	≥ 1.600E+03	≥ 4.000E+02	≥	---	≥	AMIX
AIRT ≥ PM atmospheric mixing height (m)	≥ 1.600E+03	≥ 1.600E+03	≥	---	≥	PMIX
AIRT ≥ Elevation of Agricultural Area 1 above primary cont.	≥ 1.500E+01	≥ 0.000E+00	≥	---	≥	
AGRIELEV(1)						
AIRT ≥ Elevation of Agricultural Area 2 above primary cont.	≥ 1.500E+01	≥ 0.000E+00	≥	---	≥	

AGRIELEV(2)

AIRT ≥ Elevation of Agricultural Area 3 above primary cont. ≥ 1.500E+01 ≥ 0.000E+00 ≥ --- ≥

AGRIELEV(3)

AIRT ≥ Elevation of Agricultural Area 4 above primary cont. ≥ 1.500E+01 ≥ 0.000E+00 ≥ --- ≥

AGRIELEV(4)

AIRT ≥ Elevation of Dwelling Site relative to primary cont. ≥ 1.500E+01 ≥ 0.000E+00 ≥ --- ≥ DWELLELEV

AIRT ≥ Elevation of Surf.Wtr body relative to primary cont. ≥ 1.500E+01 ≥ 0.000E+00 ≥ --- ≥ SWELEV

≥ ≥ ≥ ≥

AIRT ≥ Joint frequency Meteorological data: ≥ ≥ ≥ ≥

AIRT ≥ Upper limit for windspeed class 1 (m/s) ≥ 8.900E-01 ≥ 8.900E-01 ≥ --- ≥

WINDSPEED(1)

AIRT ≥ Upper limit for windspeed class 2 (m/s) ≥ 2.460E+00 ≥ 2.460E+00 ≥ --- ≥

WINDSPEED(2)

AIRT ≥ Upper limit for windspeed class 3 (m/s) ≥ 4.470E+00 ≥ 4.470E+00 ≥ --- ≥

WINDSPEED(3)

AIRT ≥ Upper limit for windspeed class 4 (m/s) ≥ 6.930E+00 ≥ 6.930E+00 ≥ --- ≥

WINDSPEED(4)

AIRT ≥ Upper limit for windspeed class 5 (m/s) ≥ 9.610E+00 ≥ 9.610E+00 ≥ --- ≥

WINDSPEED(5)

AIRT ≥ Upper limit for windspeed class 6 (m/s) ≥ 1.252E+01 ≥ 1.252E+01 ≥ --- ≥

WINDSPEED(6)

≥ ≥ ≥ ≥

AIRT ≥ Joint Frequency in N Sector ≥ ≥ ≥ ≥

AIRT ≥ for wind speed class 1 and stability class A ≥ 1.320E-03 ≥ 1.000E+00 ≥ --- ≥

DFREQ(1,1,1)

AIRT ≥ for wind speed class 1 and stability class B ≥ 3.100E-04 ≥ 0.000E+00 ≥ --- ≥

DFREQ(1,2,1)

AIRT ≥ for wind speed class 1 and stability class C ≥ 6.900E-04 ≥ 0.000E+00 ≥ --- ≥

DFREQ(1,3,1)

AIRT ≥ for wind speed class 1 and stability class D ≥ 4.320E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(1,4,1)

AIRT ≥ for wind speed class 1 and stability class E ≥ 1.530E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(1,5,1)

Site-Specific Parameter Summary (continued)					
Parameter Menu ≥	Parameter	≥ User	≥ Default	≥ RESRAD	≥ Name
<i>~~~~~</i>					
AIRT ≥ Joint Frequency in N Sector		≥	≥	≥	≥
AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,1)		≥ 1.190E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,1)		≥ 1.290E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,1)		≥ 5.400E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,1)		≥ 2.157E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,1)		≥ 7.290E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,1)		≥	≥	≥	≥
AIRT ≥ Joint Frequency in N Sector		≥	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,1)		≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,1)		≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥

AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,1)	≥ 1.200E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,1)	≥ 3.140E-02 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,1)	≥ 1.800E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,1)	≥ 3.000E-05 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in N Sector	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,1)	≥ 2.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,1)	≥ 8.450E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in N Sector	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,1)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,1)	≥ 2.300E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥

DFREQ(5,5,1)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,6,1)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in N Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,1,1)					
AIRT ≥ for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,2,1)					
AIRT ≥ for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,3,1)					
AIRT ≥ for wind speed class 6 and stability class D	≥ 1.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(6,4,1)					
AIRT ≥ for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,5,1)					
AIRT ≥ for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,6,1)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in NNE Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 1 and stability class A	≥ 9.000E-04	≥ 0.000E+00	≥	---	≥
DFREQ(1,1,2)					
AIRT ≥ for wind speed class 1 and stability class B	≥ 2.200E-04	≥ 0.000E+00	≥	---	≥
DFREQ(1,2,2)					
AIRT ≥ for wind speed class 1 and stability class C	≥ 4.400E-04	≥ 0.000E+00	≥	---	≥
DFREQ(1,3,2)					
AIRT ≥ for wind speed class 1 and stability class D	≥ 4.360E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,4,2)					
AIRT ≥ for wind speed class 1 and stability class E	≥ 1.690E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,5,2)					
AIRT ≥ for wind speed class 1 and stability class F	≥ 3.860E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,6,2)					
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Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥		
Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed	≥	Name
fffff~ff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff									
AIRT	≥	Joint Frequency in NNE Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 2 and stability class A	≥	4.900E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,1,2)									
AIRT	≥	for wind speed class 2 and stability class B	≥	6.200E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,2,2)									
AIRT	≥	for wind speed class 2 and stability class C	≥	2.090E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,3,2)									
AIRT	≥	for wind speed class 2 and stability class D	≥	1.694E-02	≥	0.000E+00	≥	---	≥
DFREQ(2,4,2)									
AIRT	≥	for wind speed class 2 and stability class E	≥	1.294E-02	≥	0.000E+00	≥	---	≥
DFREQ(2,5,2)									
AIRT	≥	for wind speed class 2 and stability class F	≥	4.500E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,6,2)									
	≥		≥		≥		≥		≥
AIRT	≥	Joint Frequency in NNE Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 3 and stability class A	≥	0.000E+00	≥	0.000E+00	≥	---	≥
DFREQ(3,1,2)									
AIRT	≥	for wind speed class 3 and stability class B	≥	1.000E-05	≥	0.000E+00	≥	---	≥
DFREQ(3,2,2)									
AIRT	≥	for wind speed class 3 and stability class C	≥	1.030E-03	≥	0.000E+00	≥	---	≥
DFREQ(3,3,2)									
AIRT	≥	for wind speed class 3 and stability class D	≥	2.506E-02	≥	0.000E+00	≥	---	≥
DFREQ(3,4,2)									

AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,2)	≥ 3.590E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,2)	≥ 7.000E-05	≥ 0.000E+00	≥ ---	≥
≥	≥	≥		≥
AIRT ≥ Joint Frequency in NNE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,2)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,2)	≥ 1.041E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥		≥
AIRT ≥ Joint Frequency in NNE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,2)	≥ 1.480E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥		≥

AIRT ≥ Joint Frequency in NNE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,2)	≥ 8.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,3)	≥ 5.400E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,3)	≥ 1.000E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,3)	≥ 2.500E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,3)	≥ 3.890E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,3)	≥ 1.730E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,3)	≥ 6.140E-03	≥ 0.000E+00	≥ ---	≥

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Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥	
Parameter										
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
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≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,3)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,3)	≥ 1.176E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,3)	≥ 2.460E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

DFREQ(6,2,3)					
AIRT ≥	for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(6,3,3)					
AIRT ≥	for wind speed class 6 and stability class D	≥ 3.400E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(6,4,3)					
AIRT ≥	for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(6,5,3)					
AIRT ≥	for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(6,6,3)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 1 and stability class A	≥ 4.700E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,1,4)					
AIRT ≥	for wind speed class 1 and stability class B	≥ 1.100E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,2,4)					
AIRT ≥	for wind speed class 1 and stability class C	≥ 1.500E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,3,4)					
AIRT ≥	for wind speed class 1 and stability class D	≥ 3.650E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,4,4)					
AIRT ≥	for wind speed class 1 and stability class E	≥ 1.750E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,5,4)					
AIRT ≥	for wind speed class 1 and stability class F	≥ 7.460E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,6,4)					

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Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥
Parameter									
Menu ≥		Parameter	≥	Input	≥	Default	≥	computed	≥
									Name

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 fffff

AIRT ≥ Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,4)	≥ 1.600E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,4)	≥ 2.300E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,4)	≥ 7.900E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,4)	≥ 8.440E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,4)	≥ 4.530E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,4)	≥ 2.714E-02	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,4)	≥ 2.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,4)	≥ 3.100E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,4)	≥ 1.256E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,4)	≥ 4.630E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,4)	≥ 6.070E-03	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,4)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,4)	≥ 1.388E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,4)	≥ 3.630E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ENE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D	≥ 6.800E-04	≥ 0.000E+00	≥ ---	≥

DFREQ(6,4,4)					
AIRT ≥	for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(6,5,4)					
AIRT ≥	for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(6,6,4)					
	≥	≥	≥		≥
AIRT ≥	Joint Frequency in E Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 1 and stability class A	≥ 3.100E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,1,5)					
AIRT ≥	for wind speed class 1 and stability class B	≥ 6.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(1,2,5)					
AIRT ≥	for wind speed class 1 and stability class C	≥ 1.400E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,3,5)					
AIRT ≥	for wind speed class 1 and stability class D	≥ 3.460E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,4,5)					
AIRT ≥	for wind speed class 1 and stability class E	≥ 1.400E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,5,5)					
AIRT ≥	for wind speed class 1 and stability class F	≥ 7.640E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,6,5)					

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Parent Dose Report

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File : RCTP - NO CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥
Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥
fffff~ff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff									
AIRT ≥		Joint Frequency in E Sector	≥		≥		≥		≥
AIRT ≥		for wind speed class 2 and stability class A	≥	2.600E-04	≥	0.000E+00	≥	---	≥

DFREQ(2,1,5)					
AIRT ≥	for wind speed class 2 and stability class B	≥ 2.200E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(2,2,5)					
AIRT ≥	for wind speed class 2 and stability class C	≥ 5.200E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(2,3,5)					
AIRT ≥	for wind speed class 2 and stability class D	≥ 7.640E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(2,4,5)					
AIRT ≥	for wind speed class 2 and stability class E	≥ 3.330E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(2,5,5)					
AIRT ≥	for wind speed class 2 and stability class F	≥ 2.584E-02	≥ 0.000E+00	≥ ---	≥
DFREQ(2,6,5)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in E Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 3 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(3,1,5)					
AIRT ≥	for wind speed class 3 and stability class B	≥ 4.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(3,2,5)					
AIRT ≥	for wind speed class 3 and stability class C	≥ 3.300E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(3,3,5)					
AIRT ≥	for wind speed class 3 and stability class D	≥ 1.394E-02	≥ 0.000E+00	≥ ---	≥
DFREQ(3,4,5)					
AIRT ≥	for wind speed class 3 and stability class E	≥ 2.710E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,5,5)					
AIRT ≥	for wind speed class 3 and stability class F	≥ 4.020E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,6,5)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in E Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,1,5)					
AIRT ≥	for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,2,5)					
AIRT ≥	for wind speed class 4 and stability class C	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(4,3,5)					

AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,5)	≥ 1.553E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥		≥
AIRT ≥ Joint Frequency in E Sector	≥	≥		≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,5)	≥ 4.250E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥		≥
AIRT ≥ Joint Frequency in E Sector	≥	≥		≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,5)	≥ 7.500E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,5)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

DFREQ(6,6,5)	≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ESE Sector	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class A	≥ 3.500E-04	≥ 0.000E+00	≥	---	≥
DFREQ(1,1,6)	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class B	≥ 7.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(1,2,6)	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class C	≥ 1.200E-04	≥ 0.000E+00	≥	---	≥
DFREQ(1,3,6)	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class D	≥ 3.080E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,4,6)	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class E	≥ 1.640E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,5,6)	≥	≥	≥	---	≥
AIRT ≥ for wind speed class 1 and stability class F	≥ 7.400E-03	≥ 0.000E+00	≥	---	≥
DFREQ(1,6,6)	≥	≥	≥	---	≥

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Site-Specific Parameter Summary (continued)

0	≥		≥	User	≥		≥	RESRAD	≥	
Parameter										
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
~~~~~										
AIRT ≥ Joint Frequency in ESE Sector										
AIRT ≥ for wind speed class 2 and stability class A										
DFREQ(2,1,6)										
AIRT ≥ for wind speed class 2 and stability class B										
DFREQ(2,2,6)										
AIRT ≥ for wind speed class 2 and stability class C										

DFREQ(2,3,6)					
AIRT ≥	for wind speed class 2 and stability class D	≥ 7.210E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(2,4,6)					
AIRT ≥	for wind speed class 2 and stability class E	≥ 4.170E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(2,5,6)					
AIRT ≥	for wind speed class 2 and stability class F	≥ 2.126E-02	≥ 0.000E+00	≥ ---	≥
DFREQ(2,6,6)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in ESE Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 3 and stability class A	≥ 2.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(3,1,6)					
AIRT ≥	for wind speed class 3 and stability class B	≥ 3.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(3,2,6)					
AIRT ≥	for wind speed class 3 and stability class C	≥ 3.400E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(3,3,6)					
AIRT ≥	for wind speed class 3 and stability class D	≥ 1.315E-02	≥ 0.000E+00	≥ ---	≥
DFREQ(3,4,6)					
AIRT ≥	for wind speed class 3 and stability class E	≥ 4.690E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,5,6)					
AIRT ≥	for wind speed class 3 and stability class F	≥ 3.490E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,6,6)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in ESE Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,1,6)					
AIRT ≥	for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,2,6)					
AIRT ≥	for wind speed class 4 and stability class C	≥ 2.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(4,3,6)					
AIRT ≥	for wind speed class 4 and stability class D	≥ 1.237E-02	≥ 0.000E+00	≥ ---	≥
DFREQ(4,4,6)					
AIRT ≥	for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,5,6)					

AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ESE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,6)	≥ 4.700E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in ESE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,6)	≥ 1.510E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,6)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A	≥ 3.900E-04	≥ 0.000E+00	≥ ---	≥

DFREQ(1,1,7)	AIRT ≥ for wind speed class 1 and stability class B	≥ 6.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(1,2,7)	AIRT ≥ for wind speed class 1 and stability class C	≥ 1.000E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(1,3,7)	AIRT ≥ for wind speed class 1 and stability class D	≥ 3.820E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,4,7)	AIRT ≥ for wind speed class 1 and stability class E	≥ 1.790E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,5,7)	AIRT ≥ for wind speed class 1 and stability class F	≥ 7.480E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(1,6,7)					

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Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu ≥	Parameter	≥	Input	≥	Default	≥ computed	≥ Name
~~~~~							
~~~~~							
AIRT	≥ Joint Frequency in SE Sector	≥		≥		≥	
AIRT	≥ for wind speed class 2 and stability class A	≥ 1.900E-04	≥ 0.000E+00	≥ ---		≥	
DFREQ(2,1,7)							
AIRT	≥ for wind speed class 2 and stability class B	≥ 1.800E-04	≥ 0.000E+00	≥ ---		≥	
DFREQ(2,2,7)							
AIRT	≥ for wind speed class 2 and stability class C	≥ 5.900E-04	≥ 0.000E+00	≥ ---		≥	
DFREQ(2,3,7)							
AIRT	≥ for wind speed class 2 and stability class D	≥ 8.600E-03	≥ 0.000E+00	≥ ---		≥	
DFREQ(2,4,7)							
AIRT	≥ for wind speed class 2 and stability class E	≥ 7.090E-03	≥ 0.000E+00	≥ ---		≥	

DFREQ(2,5,7)					
AIRT ≥ for wind speed class 2 and stability class F	≥ 2.564E-02	≥ 0.000E+00	≥	---	≥
DFREQ(2,6,7)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in SE Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 3 and stability class A	≥ 2.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(3,1,7)					
AIRT ≥ for wind speed class 3 and stability class B	≥ 6.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(3,2,7)					
AIRT ≥ for wind speed class 3 and stability class C	≥ 4.900E-04	≥ 0.000E+00	≥	---	≥
DFREQ(3,3,7)					
AIRT ≥ for wind speed class 3 and stability class D	≥ 1.200E-02	≥ 0.000E+00	≥	---	≥
DFREQ(3,4,7)					
AIRT ≥ for wind speed class 3 and stability class E	≥ 6.180E-03	≥ 0.000E+00	≥	---	≥
DFREQ(3,5,7)					
AIRT ≥ for wind speed class 3 and stability class F	≥ 1.700E-03	≥ 0.000E+00	≥	---	≥
DFREQ(3,6,7)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in SE Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,1,7)					
AIRT ≥ for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,2,7)					
AIRT ≥ for wind speed class 4 and stability class C	≥ 4.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(4,3,7)					
AIRT ≥ for wind speed class 4 and stability class D	≥ 8.430E-03	≥ 0.000E+00	≥	---	≥
DFREQ(4,4,7)					
AIRT ≥ for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,5,7)					
AIRT ≥ for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,6,7)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in SE Sector	≥	≥	≥		≥

AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,7)	≥ 2.050E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,7)	≥ 6.000E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,7)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SSE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,8)	≥ 5.200E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,8)	≥ 9.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class C	≥ 1.500E-04	≥ 0.000E+00	≥ ---	≥



DFREQ(1,3,8)  
 AIRT ≥ for wind speed class 1 and stability class D ≥ 4.260E-03 ≥ 0.000E+00 ≥ --- ≥  
 DFREQ(1,4,8)  
 AIRT ≥ for wind speed class 1 and stability class E ≥ 1.870E-03 ≥ 0.000E+00 ≥ --- ≥  
 DFREQ(1,5,8)  
 AIRT ≥ for wind speed class 1 and stability class F ≥ 8.060E-03 ≥ 0.000E+00 ≥ --- ≥  
 DFREQ(1,6,8)  
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## Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	RESRAD	≥	
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥
						computed	≥
							Name
fffff~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
fffff							
AIRT	≥	Joint Frequency in SSE Sector	≥		≥		≥
AIRT	≥	for wind speed class 2 and stability class A	≥	2.600E-04	≥	0.000E+00	≥
DFREQ(2,1,8)							
AIRT	≥	for wind speed class 2 and stability class B	≥	1.800E-04	≥	0.000E+00	≥
DFREQ(2,2,8)							
AIRT	≥	for wind speed class 2 and stability class C	≥	5.200E-04	≥	0.000E+00	≥
DFREQ(2,3,8)							
AIRT	≥	for wind speed class 2 and stability class D	≥	7.070E-03	≥	0.000E+00	≥
DFREQ(2,4,8)							
AIRT	≥	for wind speed class 2 and stability class E	≥	4.710E-03	≥	0.000E+00	≥
DFREQ(2,5,8)							
AIRT	≥	for wind speed class 2 and stability class F	≥	1.464E-02	≥	0.000E+00	≥
DFREQ(2,6,8)							
	≥		≥		≥		≥

AIRT ≥ Joint Frequency in SSE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,8)	≥ 2.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,8)	≥ 2.200E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,8)	≥ 4.810E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,8)	≥ 1.500E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,8)	≥ 5.100E-04	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SSE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,8)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,8)	≥ 1.320E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SSE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,8)	≥ 2.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SSE Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,8)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in S Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,9)	≥ 8.400E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,9)	≥ 2.800E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,9)	≥ 2.100E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,9)	≥ 4.110E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class E	≥ 1.620E-03	≥ 0.000E+00	≥ ---	≥

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AIRT  $\geq$  for wind speed class 3 and stability class B  $\geq 1.000\text{E-}05 \geq 0.000\text{E+}00 \geq \text{---} \geq$

DFREQ(3,2,9)					
AIRT ≥	for wind speed class 3 and stability class C	≥ 7.000E-05	≥ 0.000E+00	≥ ---	≥
DFREQ(3,3,9)					
AIRT ≥	for wind speed class 3 and stability class D	≥ 3.500E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,4,9)					
AIRT ≥	for wind speed class 3 and stability class E	≥ 2.310E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(3,5,9)					
AIRT ≥	for wind speed class 3 and stability class F	≥ 7.100E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(3,6,9)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in S Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,1,9)					
AIRT ≥	for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,2,9)					
AIRT ≥	for wind speed class 4 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,3,9)					
AIRT ≥	for wind speed class 4 and stability class D	≥ 1.120E-03	≥ 0.000E+00	≥ ---	≥
DFREQ(4,4,9)					
AIRT ≥	for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,5,9)					
AIRT ≥	for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(4,6,9)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in S Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(5,1,9)					
AIRT ≥	for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(5,2,9)					
AIRT ≥	for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DFREQ(5,3,9)					
AIRT ≥	for wind speed class 5 and stability class D	≥ 1.800E-04	≥ 0.000E+00	≥ ---	≥
DFREQ(5,4,9)					

AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
≥	≥ ≥ ≥ ≥
AIRT ≥ Joint Frequency in S Sector	≥ ≥ ≥ ≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,9)	≥ 1.000E-05 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,9)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
≥	≥ ≥ ≥ ≥
AIRT ≥ Joint Frequency in SSW Sector	≥ ≥ ≥ ≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,10)	≥ 1.280E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,10)	≥ 3.600E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,10)	≥ 6.800E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,10)	≥ 4.340E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,10)	≥ 1.400E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,10)	≥ 4.370E-03 ≥ 0.000E+00 ≥ --- ≥

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## Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥		
Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed	≥	Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff									
AIRT	≥	Joint Frequency in SSW Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 2 and stability class A	≥	4.400E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,1,10)									
AIRT	≥	for wind speed class 2 and stability class B	≥	3.900E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,2,10)									
AIRT	≥	for wind speed class 2 and stability class C	≥	1.540E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,3,10)									
AIRT	≥	for wind speed class 2 and stability class D	≥	1.041E-02	≥	0.000E+00	≥	---	≥
DFREQ(2,4,10)									
AIRT	≥	for wind speed class 2 and stability class E	≥	3.710E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,5,10)									
AIRT	≥	for wind speed class 2 and stability class F	≥	2.690E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,6,10)									
	≥		≥		≥		≥		≥
AIRT	≥	Joint Frequency in SSW Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 3 and stability class A	≥	1.000E-05	≥	0.000E+00	≥	---	≥
DFREQ(3,1,10)									
AIRT	≥	for wind speed class 3 and stability class B	≥	0.000E+00	≥	0.000E+00	≥	---	≥
DFREQ(3,2,10)									
AIRT	≥	for wind speed class 3 and stability class C	≥	7.000E-05	≥	0.000E+00	≥	---	≥
DFREQ(3,3,10)									
AIRT	≥	for wind speed class 3 and stability class D	≥	6.800E-03	≥	0.000E+00	≥	---	≥

DFREQ(3,4,10)					
AIRT ≥ for wind speed class 3 and stability class E	≥ 1.780E-03	≥ 0.000E+00	≥ ---	≥	
DFREQ(3,5,10)					
AIRT ≥ for wind speed class 3 and stability class F	≥ 1.000E-04	≥ 0.000E+00	≥ ---	≥	
DFREQ(3,6,10)					
≥	≥	≥	≥	≥	
AIRT ≥ Joint Frequency in SSW Sector	≥	≥	≥	≥	
AIRT ≥ for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,1,10)					
AIRT ≥ for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,2,10)					
AIRT ≥ for wind speed class 4 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,3,10)					
AIRT ≥ for wind speed class 4 and stability class D	≥ 2.080E-03	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,4,10)					
AIRT ≥ for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,5,10)					
AIRT ≥ for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(4,6,10)					
≥	≥	≥	≥	≥	
AIRT ≥ Joint Frequency in SSW Sector	≥	≥	≥	≥	
AIRT ≥ for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,1,10)					
AIRT ≥ for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,2,10)					
AIRT ≥ for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,3,10)					
AIRT ≥ for wind speed class 5 and stability class D	≥ 1.500E-04	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,4,10)					
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,5,10)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥	
DFREQ(5,6,10)					



≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SSW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,10)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,11)	≥ 1.910E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,11)	≥ 5.800E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,11)	≥ 7.500E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,11)	≥ 4.290E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,11)	≥ 9.900E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,11)	≥ 2.530E-03	≥ 0.000E+00	≥ ---	≥

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## Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥		
Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed	≥	Name
fffff~	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	fffff
fffff									
AIRT	≥	Joint Frequency in SW Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 2 and stability class A	≥	7.600E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,1,11)									
AIRT	≥	for wind speed class 2 and stability class B	≥	9.400E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,2,11)									
AIRT	≥	for wind speed class 2 and stability class C	≥	2.840E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,3,11)									
AIRT	≥	for wind speed class 2 and stability class D	≥	9.740E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,4,11)									
AIRT	≥	for wind speed class 2 and stability class E	≥	1.630E-03	≥	0.000E+00	≥	---	≥
DFREQ(2,5,11)									
AIRT	≥	for wind speed class 2 and stability class F	≥	7.600E-04	≥	0.000E+00	≥	---	≥
DFREQ(2,6,11)									
	≥		≥		≥		≥		≥
AIRT	≥	Joint Frequency in SW Sector	≥		≥		≥		≥
AIRT	≥	for wind speed class 3 and stability class A	≥	1.000E-05	≥	0.000E+00	≥	---	≥
DFREQ(3,1,11)									
AIRT	≥	for wind speed class 3 and stability class B	≥	0.000E+00	≥	0.000E+00	≥	---	≥
DFREQ(3,2,11)									
AIRT	≥	for wind speed class 3 and stability class C	≥	9.000E-05	≥	0.000E+00	≥	---	≥
DFREQ(3,3,11)									
AIRT	≥	for wind speed class 3 and stability class D	≥	4.310E-03	≥	0.000E+00	≥	---	≥
DFREQ(3,4,11)									
AIRT	≥	for wind speed class 3 and stability class E	≥	4.100E-04	≥	0.000E+00	≥	---	≥
DFREQ(3,5,11)									
AIRT	≥	for wind speed class 3 and stability class F	≥	0.000E+00	≥	0.000E+00	≥	---	≥

DFREQ(3,6,11)					
≥	≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SW Sector	≥	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,1,11)					
AIRT ≥ for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,2,11)					
AIRT ≥ for wind speed class 4 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,3,11)					
AIRT ≥ for wind speed class 4 and stability class D	≥ 4.700E-04	≥ 0.000E+00	≥	---	≥
DFREQ(4,4,11)					
AIRT ≥ for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,5,11)					
AIRT ≥ for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,6,11)					
≥	≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SW Sector	≥	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,1,11)					
AIRT ≥ for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,2,11)					
AIRT ≥ for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,3,11)					
AIRT ≥ for wind speed class 5 and stability class D	≥ 1.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(5,4,11)					
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,5,11)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,6,11)					
≥	≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in SW Sector	≥	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,1,11)					

AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,11)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,11)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,11)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,11)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,11)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
≥	≥ ≥ ≥ ≥
AIRT ≥ Joint Frequency in WSW Sector	≥ ≥ ≥ ≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,12)	≥ 3.250E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,12)	≥ 1.040E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,12)	≥ 1.620E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,12)	≥ 4.740E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,12)	≥ 8.200E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,12)	≥ 1.630E-03 ≥ 0.000E+00 ≥ --- ≥

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

0 ≥	≥ User ≥ RESRAD ≥
Parameter	
Menu ≥	Parameter ≥ Input ≥ Default ≥ computed ≥ Name

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fffff

AIRT ≥ Joint Frequency in WSW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,12)	≥ 1.130E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,12)	≥ 1.430E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,12)	≥ 3.870E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,12)	≥ 7.670E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,12)	≥ 8.200E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,12)	≥ 3.100E-04	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in WSW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,12)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,12)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,12)	≥ 4.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,12)	≥ 1.320E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,12)	≥ 7.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,12)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in WSW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

DFREQ(4,1,12)					
AIRT ≥	for wind speed class 4 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(4,2,12)					
AIRT ≥	for wind speed class 4 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(4,3,12)					
AIRT ≥	for wind speed class 4 and stability class D	≥ 4.000E-05	≥ 0.000E+00	≥	---
DFREQ(4,4,12)					
AIRT ≥	for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(4,5,12)					
AIRT ≥	for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(4,6,12)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in WSW Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,1,12)					
AIRT ≥	for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,2,12)					
AIRT ≥	for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,3,12)					
AIRT ≥	for wind speed class 5 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,4,12)					
AIRT ≥	for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,5,12)					
AIRT ≥	for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(5,6,12)					
≥		≥	≥	≥	≥
AIRT ≥	Joint Frequency in WSW Sector	≥	≥	≥	≥
AIRT ≥	for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(6,1,12)					
AIRT ≥	for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(6,2,12)					
AIRT ≥	for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---
DFREQ(6,3,12)					

AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,12)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,12)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,12)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in W Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,13)	≥ 3.520E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,13)	≥ 1.240E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,13)	≥ 1.970E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,13)	≥ 6.080E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,13)	≥ 9.000E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,13)	≥ 1.430E-03	≥ 0.000E+00	≥ ---	≥

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Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed ≥ Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff							
fffff							
AIRT ≥ Joint Frequency in W Sector	≥		≥		≥		≥

AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,13)	≥ 1.450E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,13)	≥ 1.680E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,13)	≥ 4.500E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,13)	≥ 7.840E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,13)	≥ 6.000E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,13)	≥ 1.800E-04 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in W Sector	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,13)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,13)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,13)	≥ 3.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,13)	≥ 6.300E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,13)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,13)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in W Sector	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,13)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,13)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class C	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥



DFREQ(4,3,13)					
AIRT ≥ for wind speed class 4 and stability class D	≥ 2.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(4,4,13)					
AIRT ≥ for wind speed class 4 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,5,13)					
AIRT ≥ for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,6,13)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in W Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,1,13)					
AIRT ≥ for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,2,13)					
AIRT ≥ for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,3,13)					
AIRT ≥ for wind speed class 5 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,4,13)					
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,5,13)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,6,13)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in W Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,1,13)					
AIRT ≥ for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,2,13)					
AIRT ≥ for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,3,13)					
AIRT ≥ for wind speed class 6 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,4,13)					
AIRT ≥ for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,5,13)					

AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,13)	≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥
≥	≥ ≥ ≥ ≥
AIRT ≥ Joint Frequency in WNW Sector	≥ ≥ ≥ ≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,14)	≥ 2.690E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,14)	≥ 9.500E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,14)	≥ 1.290E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,14)	≥ 4.270E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,14)	≥ 6.600E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,14)	≥ 1.330E-03 ≥ 0.000E+00 ≥ --- ≥

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## Site-Specific Parameter Summary (continued)

0 ≥	≥ User ≥ RESRAD ≥
Parameter	
Menu ≥	≥ Input ≥ Default ≥ computed ≥ Name
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AIRT ≥ Joint Frequency in WNW Sector	≥ ≥ ≥ ≥
AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,14)	≥ 1.620E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,14)	≥ 1.970E-03 ≥ 0.000E+00 ≥ --- ≥

AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,14)	≥ 5.130E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,14)	≥ 8.220E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,14)	≥ 8.100E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,14)	≥ 2.600E-04 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in WNW Sector	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,14)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,14)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,14)	≥ 9.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,14)	≥ 9.000E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,14)	≥ 6.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,14)	≥ 1.000E-05 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in WNW Sector	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,14)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,14)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,14)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,14)	≥ 6.000E-05 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class E	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥

DFREQ(4,5,14)					
AIRT ≥ for wind speed class 4 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(4,6,14)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in WNW Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 5 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,1,14)					
AIRT ≥ for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,2,14)					
AIRT ≥ for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,3,14)					
AIRT ≥ for wind speed class 5 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,4,14)					
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,5,14)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,6,14)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in WNW Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,1,14)					
AIRT ≥ for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,2,14)					
AIRT ≥ for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,3,14)					
AIRT ≥ for wind speed class 6 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,4,14)					
AIRT ≥ for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,5,14)					
AIRT ≥ for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,6,14)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in NW Sector	≥	≥	≥		≥

AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,15)	≥ 2.370E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,15)	≥ 7.400E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class C DFREQ(1,3,15)	≥ 1.250E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class D DFREQ(1,4,15)	≥ 4.150E-03 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class E DFREQ(1,5,15)	≥ 7.900E-04 ≥ 0.000E+00 ≥ --- ≥
AIRT ≥ for wind speed class 1 and stability class F DFREQ(1,6,15)	≥ 1.300E-03 ≥ 0.000E+00 ≥ --- ≥

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#### Site-Specific Parameter Summary (continued)

0 ≥	≥ User ≥	≥ RESRAD ≥
Parameter	≥ Input ≥ Default ≥ computed ≥	Name
fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff fffff		
AIRT ≥ Joint Frequency in NW Sector	≥ ≥ ≥	≥
AIRT ≥ for wind speed class 2 and stability class A DFREQ(2,1,15)	≥ 1.630E-03 ≥ 0.000E+00 ≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class B DFREQ(2,2,15)	≥ 2.360E-03 ≥ 0.000E+00 ≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class C DFREQ(2,3,15)	≥ 6.430E-03 ≥ 0.000E+00 ≥ ---	≥
AIRT ≥ for wind speed class 2 and stability class D DFREQ(2,4,15)	≥ 1.140E-02 ≥ 0.000E+00 ≥ ---	≥

AIRT ≥ for wind speed class 2 and stability class E DFREQ(2,5,15)	≥ 1.150E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 2 and stability class F DFREQ(2,6,15)	≥ 4.700E-04 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in NW Sector	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,15)	≥ 2.500E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,15)	≥ 3.490E-03 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,15)	≥ 1.400E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥
AIRT ≥ Joint Frequency in NW Sector	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,15)	≥ 1.200E-04 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,15)	≥ 0.000E+00 ≥ 0.000E+00 ≥	---	≥
≥	≥	≥	≥

AIRT ≥ Joint Frequency in NW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B DFREQ(5,2,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class C DFREQ(5,3,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class D DFREQ(5,4,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class E DFREQ(5,5,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class F DFREQ(5,6,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 6 and stability class A DFREQ(6,1,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class B DFREQ(6,2,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class C DFREQ(6,3,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class D DFREQ(6,4,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class E DFREQ(6,5,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 6 and stability class F DFREQ(6,6,15)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NNW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 1 and stability class A DFREQ(1,1,16)	≥ 2.100E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 1 and stability class B DFREQ(1,2,16)	≥ 6.100E-04	≥ 0.000E+00	≥ ---	≥

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$$0 \leq \dots \leq \text{User} \leq \dots \leq \text{RESRAD} \leq \dots$$

Menu	Parameter	Input	Default	computed	Name
------	-----------	-------	---------	----------	------

AIRT $\geq$ Joint Frequency in NNW Sector		$\geq$	$\geq$	$\geq$	$\geq$
AIRT $\geq$ for wind speed class 2 and stability class A	DFREQ(2,1,16)	$\geq 1.640\text{E-}03$	$\geq 0.000\text{E+}00$	$\geq$	---
AIRT $\geq$ for wind speed class 2 and stability class B	DFREQ(2,2,16)	$\geq 2.250\text{E-}03$	$\geq 0.000\text{E+}00$	$\geq$	---
AIRT $\geq$ for wind speed class 2 and stability class C	DFREQ(2,3,16)	$\geq 8.170\text{E-}03$	$\geq 0.000\text{E+}00$	$\geq$	---
AIRT $\geq$ for wind speed class 2 and stability class D	DFREQ(2,4,16)	$\geq 1.822\text{E-}02$	$\geq 0.000\text{E+}00$	$\geq$	---
AIRT $\geq$ for wind speed class 2 and stability class E	DFREQ(2,5,16)	$\geq 2.150\text{E-}03$	$\geq 0.000\text{E+}00$	$\geq$	---
AIRT $\geq$ for wind speed class 2 and stability class F	DFREQ(2,6,16)	$\geq 5.300\text{E-}04$	$\geq 0.000\text{E+}00$	$\geq$	---



≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NNW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 3 and stability class A DFREQ(3,1,16)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class B DFREQ(3,2,16)	≥ 1.000E-05	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class C DFREQ(3,3,16)	≥ 6.600E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class D DFREQ(3,4,16)	≥ 1.573E-02	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class E DFREQ(3,5,16)	≥ 3.000E-04	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 3 and stability class F DFREQ(3,6,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NNW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 4 and stability class A DFREQ(4,1,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class B DFREQ(4,2,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class C DFREQ(4,3,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class D DFREQ(4,4,16)	≥ 2.270E-03	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class E DFREQ(4,5,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 4 and stability class F DFREQ(4,6,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
≥	≥	≥	≥	≥
AIRT ≥ Joint Frequency in NNW Sector	≥	≥	≥	≥
AIRT ≥ for wind speed class 5 and stability class A DFREQ(5,1,16)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
AIRT ≥ for wind speed class 5 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥

DFREQ(5,2,16)					
AIRT ≥ for wind speed class 5 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,3,16)					
AIRT ≥ for wind speed class 5 and stability class D	≥ 2.000E-05	≥ 0.000E+00	≥	---	≥
DFREQ(5,4,16)					
AIRT ≥ for wind speed class 5 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,5,16)					
AIRT ≥ for wind speed class 5 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(5,6,16)					
≥	≥	≥	≥		≥
AIRT ≥ Joint Frequency in NNW Sector	≥	≥	≥		≥
AIRT ≥ for wind speed class 6 and stability class A	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,1,16)					
AIRT ≥ for wind speed class 6 and stability class B	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,2,16)					
AIRT ≥ for wind speed class 6 and stability class C	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,3,16)					
AIRT ≥ for wind speed class 6 and stability class D	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,4,16)					
AIRT ≥ for wind speed class 6 and stability class E	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,5,16)					
AIRT ≥ for wind speed class 6 and stability class F	≥ 0.000E+00	≥ 0.000E+00	≥	---	≥
DFREQ(6,6,16)					
AIRT ≥ Spacing of points used for areal integration, (m)	≥ 1.000E+01	≥ 1.000E+01	≥	---	≥ ATGRID
≥	≥	≥	≥		≥
GWTR ≥ fractional accuracy desired - convergence criteria	≥ 1.000E-03	≥ 1.000E-03	≥	---	≥ EPS
GWTR ≥ Distance from d/g edge of contamination to Well, (m)	≥ 1.680E+03	≥ 1.000E+02	≥	---	≥ OFFFLPAQW
GWTR ≥ Contamination to Well c/c distance normal to flow, m	≥ 2.190E+02	≥ 0.000E+00	≥	---	≥ OFFFLNAQW
GWTR ≥ Distance from d/g edge of cz to surface water, (m)	≥ 1.623E+03	≥ 4.500E+02	≥	---	≥ OFFFLPAQS
GWTR ≥ Contamination to near edge of swb, c/c normal to flow	≥ 1.568E+03	≥ -1.500E+02	≥	---	≥ OFFFLNAQSN
GWTR ≥ Contamination to far edge of swb, c/c normal to flow	≥ 1.630E+03	≥ 1.500E+02	≥	---	≥ OFFFLNAQSF

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## Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
Menu	≥	Parameter	≥	Input	≥	Default	≥ computed ≥ Name
fffff	≈	ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff	≈	fffffffffffff	≈	fffffffffffff	≈ ffffffffffffff
fffff							
GWTR	≥	Number of main sub zones in saturated stratum	≥	1	≥	1	≥ --- ≥ NAQS
GWTR	≥	Number of minor sub zones in last main SZ sub zone	≥	1	≥	1	≥ --- ≥ NAQSF
GWTR	≥	Number of main sub zones in each unsaturated stratum	≥	1	≥	1	≥ --- ≥ NPSS
GWTR	≥	Number of minor sub zones in last main UZ sub zone	≥	1	≥	1	≥ --- ≥ NPSSF
GWTR	≥	Distribution coefficient and longitudinal dispersion	≥	1	≥	1	≥ --- ≥
		≥ 1 = Nuclide specific distrubution coefficients in all subzones. Longitudinal dispersion in all but the subzone of transformation.					
GWTR	≥	Retardation factor flag for groundwater transport	≥	0	≥	0	≥ --- ≥
		≥ 0 = (total porosity + distribution coefficient*dry bulk density) / total porosity					
			≥	≥		≥	≥
USZN	≥	Number of unsaturated zone strata	≥	4	≥	1	≥ --- ≥ NS
USZN	≥	Unsat. zone 1, thickness (m)	≥	9.480E+01	≥	4.000E+00	≥ --- ≥ H(1)
USZN	≥	Unsat. zone 1, soil density (g/cm**3)	≥	1.240E+00	≥	1.500E+00	≥ --- ≥ DENSUZ(1)
USZN	≥	Unsat. zone 1, total porosity	≥	4.400E-01	≥	4.000E-01	≥ --- ≥ TPUZ(1)
USZN	≥	Unsat. zone 1, effective porosity	≥	4.400E-01	≥	2.000E-01	≥ --- ≥ EPUZ(1)
USZN	≥	Unsat. zone 1, field capacity	≥	8.800E-03	≥	3.000E-01	≥ --- ≥ FCUZ(1)
USZN	≥	Unsat. zone 1, hydraulic conductivity (m/yr)	≥	3.340E+01	≥	1.000E+01	≥ --- ≥ HCUZ(1)
USZN	≥	Unsat. zone 1, soil-specific b parameter	≥	1.000E+00	≥	5.300E+00	≥ --- ≥ BUZ(1)
USZN	≥	Unsat. zone 1, longitudinal dispersivity (m)	≥	1.000E+00	≥	1.000E-01	≥ --- ≥ ALPHALU(1)
			≥		≥	≥	≥
USZN	≥	Unsat. zone 2, thickness (m)	≥	3.200E+01	≥	0.000E+00	≥ --- ≥ H(2)
USZN	≥	Unsat. zone 2, soil density (g/cm**3)	≥	1.200E+00	≥	1.500E+00	≥ --- ≥ DENSUZ(2)
USZN	≥	Unsat. zone 2, total porosity	≥	5.000E-01	≥	4.000E-01	≥ --- ≥ TPUZ(2)

USZN ≥ Unsat. zone 2, effective porosity	≥ 5.000E-01	≥ 2.000E-01	≥ ---	≥ EPUZ(2)
USZN ≥ Unsat. zone 2, field capacity	≥ 3.500E-03	≥ 3.000E-01	≥ ---	≥ FCUZ(2)
USZN ≥ Unsat. zone 2, hydraulic conductivity (m/yr)	≥ 4.100E+01	≥ 1.000E+01	≥ ---	≥ HCUZ(2)
USZN ≥ Unsat. zone 2, soil-specific b parameter	≥ 2.600E+00	≥ 5.300E+00	≥ ---	≥ BUZ(2)
USZN ≥ Unsat. zone 2, longitudinal dispersivity (m)	≥ 1.000E+00	≥ 1.000E-01	≥ ---	≥ ALPHALU(2)
≥	≥	≥	≥	≥
USZN ≥ Unsat. zone 3, thickness (m)	≥ 5.670E+01	≥ 0.000E+00	≥ ---	≥ H(3)
USZN ≥ Unsat. zone 3, soil density (g/cm**3)	≥ 1.170E+00	≥ 1.500E+00	≥ ---	≥ DENSUZ(3)
USZN ≥ Unsat. zone 3, total porosity	≥ 4.600E-01	≥ 4.000E-01	≥ ---	≥ TPUZ(3)
USZN ≥ Unsat. zone 3, effective porosity	≥ 4.600E-01	≥ 2.000E-01	≥ ---	≥ EPUZ(3)
USZN ≥ Unsat. zone 3, field capacity	≥ 2.000E-02	≥ 3.000E-01	≥ ---	≥ FCUZ(3)
USZN ≥ Unsat. zone 3, hydraulic conductivity (m/yr)	≥ 6.690E+01	≥ 1.000E+01	≥ ---	≥ HCUZ(3)
USZN ≥ Unsat. zone 3, soil-specific b parameter	≥ 1.500E+00	≥ 5.300E+00	≥ ---	≥ BUZ(3)
USZN ≥ Unsat. zone 3, longitudinal dispersivity (m)	≥ 1.000E+00	≥ 1.000E-01	≥ ---	≥ ALPHALU(3)
≥	≥	≥	≥	≥
USZN ≥ Unsat. zone 4, thickness (m)	≥ 1.360E+02	≥ 0.000E+00	≥ ---	≥ H(4)
USZN ≥ Unsat. zone 4, soil density (g/cm**3)	≥ 1.610E+00	≥ 1.500E+00	≥ ---	≥ DENSUZ(4)
USZN ≥ Unsat. zone 4, total porosity	≥ 2.100E-01	≥ 4.000E-01	≥ ---	≥ TPUZ(4)
USZN ≥ Unsat. zone 4, effective porosity	≥ 2.100E-01	≥ 2.000E-01	≥ ---	≥ EPUZ(4)
USZN ≥ Unsat. zone 4, field capacity	≥ 2.000E-02	≥ 3.000E-01	≥ ---	≥ FCUZ(4)
USZN ≥ Unsat. zone 4, hydraulic conductivity (m/yr)	≥ 1.270E+01	≥ 1.000E+01	≥ ---	≥ HCUZ(4)
USZN ≥ Unsat. zone 4, soil-specific b parameter	≥ 9.000E-01	≥ 5.300E+00	≥ ---	≥ BUZ(4)
USZN ≥ Unsat. zone 4, longitudinal dispersivity (m)	≥ 1.000E+00	≥ 1.000E-01	≥ ---	≥ ALPHALU(4)

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## Site-Specific Parameter Summary (continued)

0	≥	≥	User	≥	≥	RESRAD	≥
Parameter							
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SZNE ≥ Well pump intake depth (m below water table)	≥ 3.780E+02	≥ 1.000E+01	≥ ---	≥ DWIBWT
SZNE ≥ Depth of aquifer contributing to surface water body	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥ DPTHAQSW
SZNE ≥ Thickness of saturated zone (m)	≥ 9.360E+02	≥ 1.000E+02	≥ ---	≥ DPTHAQ
SZNE ≥ Density of saturated zone (g/cm**3)	≥ 1.610E+00	≥ 1.500E+00	≥ ---	≥ DENSAQ
SZNE ≥ Saturated zone total porosity	≥ 1.000E-01	≥ 4.000E-01	≥ ---	≥ TPSZ
SZNE ≥ Saturated zone effective porosity	≥ 1.000E-01	≥ 2.000E-01	≥ ---	≥ EPSZ
SZNE ≥ Saturated zone hydraulic conductivity (m/yr)	≥ 8.400E+02	≥ 1.000E+02	≥ ---	≥ HCSZ
SZNE ≥ Saturated zone hydraulic gradient to well	≥ 1.400E-02	≥ 2.000E-02	≥ ---	≥ HGW
SZNE ≥ Satur. zone hydraulic gradient to surface water body	≥ 2.000E-02	≥ 2.000E-02	≥ ---	≥ HGSW
SZNE ≥ longitudinal dispersivity to well (m)	≥ 1.000E+01	≥ 3.000E+00	≥ ---	≥ ALPHALOW
SZNE ≥ longitudinal dispersivity to SWB (m)	≥ 1.000E+01	≥ 1.000E+01	≥ ---	≥ ALPHALOSW
SZNE ≥ lateral (horizontal) dispersivity to well (m)	≥ 1.000E+00	≥ 4.000E-01	≥ ---	≥ ALPHATW
SZNE ≥ lateral (horizontal) dispersivity to SWB (m)	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ ALPHATSW
SZNE ≥ lateral (vertical) dispersivity to well (m)	≥ 2.000E-02	≥ 2.000E-02	≥ ---	≥ ALPHAVW
SZNE ≥ lateral (vertical) dispersivity to SWB (m)	≥ 6.000E-02	≥ 6.000E-02	≥ ---	≥ ALPHAVSW
SZNE ≥ Irrigation rate over aquifer to well (m/yr)	≥ not used	≥ 2.000E-01	≥ ---	≥ RIAQW
SZNE ≥ Irrigation rate over aquifer to SWB (m/yr)	≥ not used	≥ 2.000E-01	≥ ---	≥ RIAQSW
SZNE ≥ Evapotranspiration coefficient over aquifer to well	≥ not used	≥ 5.000E-01	≥ ---	≥ EVAPTRAQW
SZNE ≥ Evapotranspiration coefficient over aquifer to SWB	≥ not used	≥ 5.000E-01	≥ ---	≥ EVAPTRAQSW
SZNE ≥ Runoff coefficient over aquifer to well	≥ not used	≥ 2.000E-01	≥ ---	≥ RUNOFFAQW
SZNE ≥ Runoff coefficient over aquifer to SWB	≥ not used	≥ 2.000E-01	≥ ---	≥ RUNOFFAQSW
SZNE ≥ Concentration of mobile colloids in the aquifer	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ CCOL
SZNE ≥ Water - Soil Distribution coefficient of colloids	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ K1Col
SZNE ≥ Water - Mobile Colloids Distribution coefficient	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ K3Col
≥	≥	≥	≥	≥
WTRU ≥ Drinking water intake (L/yr)	≥ 5.100E+02	≥ 5.100E+02	≥ ---	≥ DWI
WTRU ≥ Fraction of drinking water from surface water	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ FSWD
WTRU ≥ Fraction of drinking water from well water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FWWD
WTRU ≥ Fraction of household water from surface water	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ FSWHH
WTRU ≥ Fraction of household water from well water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FWWHH
WTRU ≥ Livestock water intake for meat 1 (L/day)	≥ not used	≥ 5.000E+01	≥ ---	≥ LWI(1)

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Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥

WTRU ≥ Fraction of irrigation water 4 from well water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FWWIR(4)
WTRU ≥ Irrigation rate in Offsite dwelling site (m/yr)	≥ 2.000E-01	≥ 2.000E-01	≥ ---	≥
RIRRIGDWELL				
WTRU ≥ Fraction of irrigation water from surface water	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ FSWIRDWELL
WTRU ≥ Fraction of irrigation water from well water	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FWWIRDWELL

WTRU ≥ Well pumping rate (m**3/yr)	≥ 1.000E+05	≥ 5.100E+03	≥ ---	≥ UW
≥	≥	≥	≥	≥
SWBY ≥ Sediment delivery ratio	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ SDR
SWBY ≥ Volume of surface water body	≥ 1.500E+05	≥ 1.500E+05	≥ ---	≥ VLAKE
SWBY ≥ Mean residence time of water in surface water body	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ TLAKE
SWBY ≥ Surface area of water in surface water body	≥ 3.172E+03	≥ 9.000E+04	≥ ---	≥ ALAKE
≥	≥	≥	≥	≥
INGE ≥ Fish consumption (kg/yr)	≥ not used	≥ 5.400E+00	≥ ---	≥ DFI(1)
INGE ≥ Fraction of Fish from affected area	≥ not used	≥ 5.000E-01	≥ ---	≥ FFISH(1)
INGE ≥ Other Aquatic food consumption (kg/yr)	≥ not used	≥ 9.000E-01	≥ ---	≥ DFI(2)
INGE ≥ Fraction of Aquatic food from affected area	≥ not used	≥ 5.000E-01	≥ ---	≥ FFISH(2)
INGE ≥ Non-Leafy vegetables consumption (kg/yr)	≥ 1.400E+01	≥ 1.600E+02	≥ ---	≥ DVI(1)
INGE ≥ Fraction of vegetable 1 from affected area	≥ 1.000E+00	≥ 5.000E-01	≥ ---	≥ FVEG(1)
INGE ≥ Leafy vegetable consumption (kg/yr)	≥ 0.000E+00	≥ 1.400E+01	≥ ---	≥ DVI(2)
INGE ≥ Fraction of vegetable 2 from affected area	≥ 5.000E-01	≥ 5.000E-01	≥ ---	≥ FVEG(2)
INGE ≥ Meat 1 consumption (kg/yr)	≥ not used	≥ 6.300E+01	≥ ---	≥ DMI(1)
INGE ≥ Fraction of meat 1 from affected area	≥ not used	≥ 1.000E+00	≥ ---	≥ FMEMI(1)
INGE ≥ Milk consumption (L/yr)	≥ not used	≥ 9.200E+01	≥ ---	≥ DMI(2)
INGE ≥ Fraction of milk from affected area	≥ not used	≥ 1.000E+00	≥ ---	≥ FMEMI(2)
INGE ≥ Soil ingestion rate (g/yr)	≥ 7.300E+01	≥ 3.650E+01	≥ ---	≥ SOIL
≥	≥	≥	≥	≥
VEGE ≥ Wet weight crop yield for Non-Leafy (kg/m**2)	≥ 7.000E-01	≥ 7.000E-01	≥ ---	≥ YIELD(1)
VEGE ≥ Growing Season for Non-Leafy (years)	≥ 1.700E-01	≥ 1.700E-01	≥ ---	≥
GROWTIME(1)				
VEGE ≥ Translocation Factor for Non-Leafy	≥ 1.000E-01	≥ 1.000E-01	≥ ---	≥ FOLI_F(1)
VEGE ≥ Weathering Removal Constant for Non-Leafy	≥ 2.000E+01	≥ 2.000E+01	≥ ---	≥
RWEATHER(1)				
VEGE ≥ Foliar Interception Fraction for dust Non-Leafy	≥ 2.500E-01	≥ 2.500E-01	≥ ---	≥
FINTCEPT(1,1)				
VEGE ≥ Foliar Intercept-n Fract-n for irrigation Non-Leafy	≥ 2.500E-01	≥ 2.500E-01	≥ ---	≥
FINTCEPT(1,2)				
VEGE ≥ Depth of roots for Non-Leafy (m)	≥ 1.200E+00	≥ 1.200E+00	≥ ---	≥ DROOT(1)
VEGE ≥ Wet weight crop yield for Leafy (kg/m**2)	≥ 1.500E+00	≥ 1.500E+00	≥ ---	≥ YIELD(2)

Site-Specific Parameter Summary (continued)									
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Parameter									
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥
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VEGE ≥ Growing Season for Grain (years)	≥ not used	≥ 1.700E-01	≥ ---	≥
GROWTIME(4)				
VEGE ≥ Translocation Factor for Grain	≥ not used	≥ 1.000E-01	≥ ---	≥ FOLI_F(4)
VEGE ≥ Weathering Removal Constant for Grain	≥ not used	≥ 2.000E+01	≥ ---	≥
RWEATHER(4)				
VEGE ≥ Foliar Interception Fraction for dust Grain	≥ not used	≥ 2.500E-01	≥ ---	≥
FINTCEPT(4,1)				
VEGE ≥ Foliar Intercept-n Fract-n for irrigation Grain	≥ not used	≥ 2.500E-01	≥ ---	≥
FINTCEPT(4,2)				
VEGE ≥ Depth of roots for Grain (m)	≥ not used	≥ 1.200E+00	≥ ---	≥ DROOT(4)
≥	≥	≥	≥	≥
LINT ≥ Feed 1 intake by livestock 1 (kg/day)	≥ not used	≥ 1.400E+01	≥ ---	≥ LFI(1,1)
LINT ≥ Soil intake with feed 1 by livestock 1 (kg/day)	≥ not used	≥ 1.000E-01	≥ ---	≥ LSI(1,1)
LINT ≥ Feed 1 intake by dairy cow (kg/day)	≥ not used	≥ 4.400E+01	≥ ---	≥ LFI(2,1)
LINT ≥ Soil intake with feed 1 by dairy cow (kg/day)	≥ not used	≥ 4.000E-01	≥ ---	≥ LSI(2,1)
LINT ≥ Feed 2 intake by livestock 1 (kg/day)	≥ not used	≥ 5.400E+01	≥ ---	≥ LFI(1,2)
LINT ≥ Soil intake with feed 2 by livestock 1 (kg/day)	≥ not used	≥ 4.000E-01	≥ ---	≥ LSI(1,2)
LINT ≥ Feed 2 intake by dairy cow (kg/day)	≥ not used	≥ 1.100E+01	≥ ---	≥ LFI(2,2)
LINT ≥ Soil intake with feed 2 by dairy cow (kg/day)	≥ not used	≥ 1.000E-01	≥ ---	≥ LSI(2,2)
≥	≥	≥	≥	≥
INHE ≥ Inhalation rate (m**3/yr)	≥ 4.712E+03	≥ 8.400E+03	≥ ---	≥ INHALR
INHE ≥ Mass loading above primary contamination (g/m**3)	≥ 1.500E-07	≥ 1.000E-04	≥ ---	≥ MLFD
INHE ≥ Mass loading for inhalation (g/m**3)	≥ 1.500E-07	≥ 1.000E-04	≥ ---	≥ MLINH
INHE ≥ Indoor dust filtration factor, inhalation	≥ 1.000E+00	≥ 4.000E-01	≥ ---	≥ SHF3
INHE ≥ Shielding factor, external gamma	≥ 7.000E-01	≥ 7.000E-01	≥ ---	≥ SHF1
INHE ≥ Shape factor flag, external gamma	≥ -1.000E+00	≥ 1.000E+00	≥ noncircular	≥ FS
SEXT ≥ Onsite shape factor array (used if non-circular):	≥	≥	≥	≥
SEXT ≥ Radii of shape factor array (used if non-circular):	≥	≥	≥	≥
SEXT ≥ Outer annular radius (m), ring 1:	≥ 9.000E+00	≥ 6.000E+00	≥ ---	≥
RAD_SHAPE( 1)				
SEXT ≥ Outer annular radius (m), ring 2:	≥ 1.800E+01	≥ 1.200E+01	≥ ---	≥
RAD_SHAPE( 2)				

SEXT ≥ Outer annular radius (m), ring 3: RAD_SHAPE( 3)	≥ 2.700E+01 ≥ 1.800E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 4: RAD_SHAPE( 4)	≥ 3.600E+01 ≥ 2.400E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 5: RAD_SHAPE( 5)	≥ 4.500E+01 ≥ 3.000E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 6: RAD_SHAPE( 6)	≥ 5.400E+01 ≥ 3.600E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 7: RAD_SHAPE( 7)	≥ 6.300E+01 ≥ 4.200E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 8: RAD_SHAPE( 8)	≥ 7.200E+01 ≥ 4.800E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 9: RAD_SHAPE( 9)	≥ 8.100E+01 ≥ 5.400E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 10: RAD_SHAPE(10)	≥ 9.000E+01 ≥ 6.000E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 11: RAD_SHAPE(11)	≥ 9.900E+01 ≥ 6.600E+01 ≥ --- ≥
SEXT ≥ Outer annular radius (m), ring 12: RAD_SHAPE(12)	≥ 1.080E+02 ≥ 7.200E+01 ≥ --- ≥

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SEXT ≥ Fractions of annular areas within AREA:	≥                    ≥                    ≥                    ≥

SEXT ≥ Ring 1	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 1)
SEXT ≥ Ring 2	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 2)
SEXT ≥ Ring 3	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 3)
SEXT ≥ Ring 4	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 4)
SEXT ≥ Ring 5	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 5)
SEXT ≥ Ring 6	≥ 1.000E+00	≥ 1.000E+00	≥ ---	≥ FRACA( 6)
SEXT ≥ Ring 7	≥ 9.600E-01	≥ 1.000E+00	≥ ---	≥ FRACA( 7)
SEXT ≥ Ring 8	≥ 7.000E-01	≥ 1.000E+00	≥ ---	≥ FRACA( 8)
SEXT ≥ Ring 9	≥ 5.700E-01	≥ 7.700E-01	≥ ---	≥ FRACA( 9)
SEXT ≥ Ring 10	≥ 4.800E-01	≥ 3.700E-01	≥ ---	≥ FRACA(10)
SEXT ≥ Ring 11	≥ 2.000E-01	≥ 1.700E-01	≥ ---	≥ FRACA(11)
SEXT ≥ Ring 12	≥ 4.300E-02	≥ 3.100E-02	≥ ---	≥ FRACA(12)
SEXT ≥ Nearsite shape factor array (used if non-circular):	≥	≥	≥	≥
SEXT ≥ Radii of shape factor array (used if non-circular):	≥	≥	≥	≥
SEXT ≥ Outer annular radius (m), ring 13:	≥ 1.284E+02	≥ 1.325E+01	≥ ---	≥
RAD_SHAPE(13)				
SEXT ≥ Outer annular radius (m), ring 14:	≥ 2.568E+02	≥ 2.650E+01	≥ ---	≥
RAD_SHAPE(14)				
SEXT ≥ Outer annular radius (m), ring 15:	≥ 3.853E+02	≥ 3.975E+01	≥ ---	≥
RAD_SHAPE(15)				
SEXT ≥ Outer annular radius (m), ring 16:	≥ 5.137E+02	≥ 5.300E+01	≥ ---	≥
RAD_SHAPE(16)				
SEXT ≥ Outer annular radius (m), ring 17:	≥ 6.421E+02	≥ 6.625E+01	≥ ---	≥
RAD_SHAPE(17)				
SEXT ≥ Outer annular radius (m), ring 18:	≥ 7.705E+02	≥ 7.950E+01	≥ ---	≥
RAD_SHAPE(18)				
SEXT ≥ Outer annular radius (m), ring 19:	≥ 8.989E+02	≥ 9.275E+01	≥ ---	≥
RAD_SHAPE(19)				
SEXT ≥ Outer annular radius (m), ring 20:	≥ 1.027E+03	≥ 1.060E+02	≥ ---	≥
RAD_SHAPE(20)				
SEXT ≥ Outer annular radius (m), ring 21:	≥ 1.156E+03	≥ 1.193E+02	≥ ---	≥
RAD_SHAPE(21)				
SEXT ≥ Outer annular radius (m), ring 22:	≥ 1.284E+03	≥ 1.325E+02	≥ ---	≥

RAD_SHAPE(22)  
 SEXT ≥ Outer annular radius (m), ring 23: ≥ 1.413E+03 ≥ 1.458E+02 ≥ --- ≥  
 RAD_SHAPE(23)  
 SEXT ≥ Outer annular radius (m), ring 24: ≥ 1.541E+03 ≥ 1.590E+02 ≥ --- ≥  
 RAD_SHAPE(24)  
 SEXT ≥ Fractions of annular areas within AREA: ≥ ≥ ≥ ≥  
 SEXT ≥ Ring 13 ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ FRACA(13)  
 SEXT ≥ Ring 14 ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ FRACA(14)  
 SEXT ≥ Ring 15 ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ FRACA(15)  
 SEXT ≥ Ring 16 ≥ 0.000E+00 ≥ 2.400E-02 ≥ --- ≥ FRACA(16)  
 SEXT ≥ Ring 17 ≥ 0.000E+00 ≥ 1.900E-01 ≥ --- ≥ FRACA(17)  
 SEXT ≥ Ring 18 ≥ 0.000E+00 ≥ 2.400E-01 ≥ --- ≥ FRACA(18)  
 SEXT ≥ Ring 19 ≥ 0.000E+00 ≥ 2.000E-01 ≥ --- ≥ FRACA(19)  
 SEXT ≥ Ring 20 ≥ 0.000E+00 ≥ 1.700E-01 ≥ --- ≥ FRACA(20)  
 SEXT ≥ Ring 21 ≥ 0.000E+00 ≥ 1.500E-01 ≥ --- ≥ FRACA(21)  
 SEXT ≥ Ring 22 ≥ 0.000E+00 ≥ 1.300E-01 ≥ --- ≥ FRACA(22)  
 SEXT ≥ Ring 23 ≥ 9.700E-04 ≥ 1.200E-01 ≥ --- ≥ FRACA(23)  
 SEXT ≥ Ring 24 ≥ 1.700E-02 ≥ 5.200E-02 ≥ --- ≥ FRACA(24)  
 ≥ ≥ ≥ ≥  
 OCCU ≥ Fraction of time spent indoors on contaminated site ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ FIND  
 OCCU ≥ Fraction of time spent outdoors on contaminated site ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ FOTD  
 OCCU ≥ Fraction of time spent indoors in Offsite Dwelling ≥ 8.656E-01 ≥ 5.000E-01 ≥ --- ≥ FINDDWELL  
 OCCU ≥ Fraction of time spent outdoors in Offsite Dwelling ≥ 9.260E-02 ≥ 1.000E-01 ≥ --- ≥ FOTDDWELL  
 OCCU ≥ Fraction of time spent outdoors in agri. area 1 ≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥  
 OCCUPANCY(1)  
 OCCU ≥ Fraction of time spent outdoors in agri. area 2 ≥ 0.000E+00 ≥ 1.000E-01 ≥ --- ≥  
 OCCUPANCY(2)  
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Parameter										
Menu	≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
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fffff										
OCCU	≥	Fraction of time spent outdoors in agri. area	3	≥	0.000E+00	≥	1.000E-01	≥	---	≥
OCCUPANCY(3)										
OCCU	≥	Fraction of time spent outdoors in agri. area	4	≥	0.000E+00	≥	1.000E-01	≥	---	≥
OCCUPANCY(4)										
	≥			≥		≥		≥		≥
RADN	≥	Diffusion coefficient for radon gas (m/sec):		≥		≥		≥		≥
RADN	≥	in cover material		≥	not used	≥	2.000E-06	≥	---	≥ DIFCV
RADN	≥	in foundation material		≥	not used	≥	3.000E-07	≥	---	≥ DIFFL
RADN	≥	in contaminated zone soil		≥	not used	≥	2.000E-06	≥	---	≥ DIFCZ
RADN	≥	Thickness of building foundation (m)		≥	not used	≥	1.500E-01	≥	---	≥ FLOOR1
RADN	≥	Bulk density of building foundation (g/cm**3)		≥	not used	≥	2.400E+00	≥	---	≥ DENSFL
RADN	≥	Total porosity of the building foundation		≥	not used	≥	1.000E-01	≥	---	≥ TPFL
RADN	≥	Volumetric water content of the foundation		≥	not used	≥	3.000E-02	≥	---	≥ PH2OFL
RADN	≥	Building depth below ground surface (m)		≥	not used	≥	-1.000E+00	≥	---	≥ DMFL
RADN	≥	Radon vertical dimension of mixing (m)		≥	not used	≥	2.000E+00	≥	---	≥ HMIX
RADN	≥	Height of the building (room) (m)		≥	not used	≥	2.500E+00	≥	---	≥ HRM
RADN	≥	Average building air exchange rate (1/hr)		≥	not used	≥	5.000E-01	≥	---	≥ REXG
RADN	≥	Building interior area factor		≥	not used	≥	0.000E+00	≥	---	≥ FAI
RADN	≥	Emanating power of Rn-222 gas		≥	not used	≥	2.500E-01	≥	---	≥ EMANA(1)
RADN	≥	Emanating power of Rn-220 gas		≥	not used	≥	1.500E-01	≥	---	≥ EMANA(2)
	≥			≥		≥		≥		≥
C14	≥	C-14 evasion layer thickness in soil (m)		≥	not used	≥	3.000E-01	≥	---	≥ DMC
C14	≥	C-14 evasion flux rate from soil (1/sec)		≥	not used	≥	7.000E-07	≥	---	≥ C14EVS
C14	≥	C-12 evasion flux rate from soil (1/sec)		≥	not used	≥	1.000E-10	≥	---	≥ C12EVS
C14	≥	Fraction of vegetation carbon from air		≥	not used	≥	9.800E-01	≥	---	≥ CAIR
C14	≥	Fraction of vegetation carbon from soil		≥	not used	≥	2.000E-02	≥	---	≥ CSOIL
	≥			≥		≥		≥		≥

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Summary of Pathway Selections

Pathway	≥	User Selection
1 -- external gamma	≥	active
2 -- inhalation (w/o radon)	≥	active
3 -- plant ingestion	≥	active
4 -- meat ingestion	≥	suppressed
5 -- milk ingestion	≥	suppressed
6 -- aquatic foods	≥	suppressed
7 -- drinking water	≥	active
8 -- soil ingestion	≥	active
9 -- radon	≥	suppressed

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Contaminated Zone Dimensions	Initial Soil Concentrations, pCi/g	
Area: 21000.00 square meters	Ac-227	2.340E+00
Thickness: 7.26 meters	Al-26	7.640E+02
Cover Depth: 1.00 meters	Am-241	1.410E+03
	Cf-249	3.240E-03
	Cf-251	1.340E-02
	Cf-252	1.510E-07

Cl-36	2.790E-01
Co-60	4.860E+00
Cs-134	2.620E-06
Cs-137	3.050E+03
Eu-154	9.920E-03
Eu-155	8.720E-03
H-3	3.780E+04
Ho-166m	5.020E-01
Na-22	1.120E-03
Np-237	1.620E-03
Pb-210	2.850E+00
Pm-147	1.370E-08
Pu-238	1.470E+04
Pu-239	9.250E+03
Pu-240	2.380E+03
Pu-241	3.820E+03
Pu-242	2.520E-01
Ra-226	3.850E+00
Ra-228	4.190E+00
Ru-106	7.770E-09
Sb-125	5.400E-04
Sm-151	2.110E-02
Sn-121m	5.020E-01
Sn-126	1.220E-01
Sr-90	4.300E+02
Th-228	8.930E-03
Th-230	8.370E+01
Th-232	9.880E-03
U-233	2.790E+00
U-234	4.260E+01
U-235	2.180E+02
U-236	4.070E-01
U-238	5.350E+01



0

Total Dose TDOSE(t), mrem/yr  
Basic Radiation Dose Limit = 1.500E+01 mrem/yr  
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)  
ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff  
t (years): 0.000E+00 1.000E+00 6.000E+00 1.200E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03  
TDOSE(t): 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00  
M(t): 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00  
0Maximum TDOSE(t): 0.000E+00 mrem/yr at t = 0 years  
1RESRAD-OFFSITE, Version 2.6 T Limit = 30 days 09/19/2012 15:32 Page 68

Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

(p)

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

in mrem/yr and as a Percentage of Total Dose at t = 0 years

0 From releases to ground water and to surface water

	Ground		Fish		Radon		Plant		Meat		Milk		Soil	
Water														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose %														
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

```

0.00E+00  0
U-236  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-238  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
00000000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000
00000000 000
Total  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 69

Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TD0SE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 0 years

0                      Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

0                      Ground                      Inhalation                      Radon                      Plant                      Meat                      Milk                      Soil

All Pathways*

```

Radio-  ffffffffffffffff ffffffffffffffff ffffffffffffffff ffffffffffffffff ffffffffffffffff ffffffffffffffff ffffffffffffffff
ffffffffffffffff

```

```

Nuclide  Dose    %      Dose    %      Dose    %      Dose    %      Dose    %      Dose    %      Dose    %
Dose    %

```

```

ffffff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff
ffffff fff

```

```

Ac-227  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

```

Al-26  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

```

Am-241  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

```

Cf-249  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0

```

0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

```

0.00E+00  0
U-236  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-238  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
00000000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000
00000000 000
Total  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

0*Sum of dose from all releases and from primary contamination.

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

# Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 1 years

From releases to ground water and to surface water

```

0
0          Ground      Fish      Radon      Plant      Meat      Milk      Soil
Water
Radio- ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff
fffffffff
Nuclide Dose  %   Dose  %   Dose  %   Dose  %   Dose  %   Dose  %   Dose  %
Dose  %
ffffff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff
ffffffff fff
Ac-227  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
Al-26   0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
Am-241  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

Cf-249 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cf-251 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cf-252 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cl-36 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Co-60 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cs-134 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cs-137 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Eu-154 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Eu-155 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
H-3 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Ho-166m 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Na-22 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Np-237 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pb-210 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pm-147 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pu-238 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0



0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

1RESRAD-OFFSITE, Version 2.6

T Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Total Dose Contributions TD0SE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 1 years

0 Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

0 Ground Inhalation Radon Plant Meat Milk Soil

All Pathways*

Radio- ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff

Nuclide Dose % Dose % Dose % Dose % Dose % Dose % Dose % Dose % Dose % Dose %

Dose % ffffffff ffff ffffffff ffff ffffffff ffff ffffffff ffff ffffffff ffff ffffffff ffff ffffffff ffff ffffffff ffff

Ac-227 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0

Al-26 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0

Am-241 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0

Cf-249 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cf-251 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cf-252 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cl-36 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Co-60 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cs-134 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Cs-137 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Eu-154 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Eu-155 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
H-3 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Ho-166m 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Na-22 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Np-237 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pb-210 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pm-147 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pu-238 0.00E+00	0.00E+00 0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.

1RESRAD-OFFSITE, Version 2.6

T Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

# Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 6 years

From releases to ground water and to surface water

	Ground		Fish		Radon		Plant		Meat		Milk		Soil	
Radio-	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff
ffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose	%													
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

```

0.00E+00  0
U-235  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-236  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-238  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
00000000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000
00000000 000
Total  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

1RESRAD-OFFSITE, Version 2.6 T Limit = 30 days 09/19/2012 15:32 Page 73

Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 6 years

0 Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

0 Ground Inhalation Radon Plant Meat Milk Soil

All Pathways*

```

Radio-  ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff
ffffffff

```

```

Nuclide  Dose  %    Dose  %    Dose  %    Dose  %    Dose  %    Dose  %    Dose  %
Dose  %

```

```

ffffff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff
ffffff fff

```

```

Ac-227  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

```

Al-26  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

```

```

Am-241  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0

```



0.00E+00	0												
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.  
1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 74  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways														
(p)														
in mrem/yr and as a Percentage of Total Dose at t = 12 years														
From releases to ground water and to surface water														
	Ground		Fish		Radon		Plant		Meat		Milk		Soil	
Water														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
ffffffffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose	%													
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 12 years

	Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)													
	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
All Pathways*														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
ffffffffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose %														
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												



U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 76

Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 30 years

From releases to ground water and to surface water

0														
0	Ground		Fish		Radon		Plant		Meat		Milk		Soil	
Water														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
ffffffffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose	%													
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

```

0.00E+00  0
U-234  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-235  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-236  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
U-238  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
00000000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000 00000000 000
00000000 000
Total  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0

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1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Total Dose Contributions TD0SE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 30 years

```

0      Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)
0      Ground      Inhalation      Radon      Plant      Meat      Milk      Soil
All Pathways*
Radio-  ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff
fffffffff
Nuclide Dose  %      Dose  %      Dose  %      Dose  %      Dose  %      Dose  %      Dose  %
Dose  %
ffffff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff
ffffff fff
Ac-227  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0
0.00E+00  0
Al-26  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0  0.00E+00  0

```

0.00E+00	0												
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.  
1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 78  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways														
(p)														
in mrem/yr and as a Percentage of Total Dose at t = 100 years														
From releases to ground water and to surface water														
0	Ground		Fish		Radon		Plant		Meat		Milk		Soil	
0														
Water														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
ffffffffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose %														
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													
Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0



0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 100 years

0 Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

0 Ground Inhalation Radon Plant Meat Milk Soil

All Pathways*

Radio- ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff

Nuclide Dose % Dose % Dose % Dose % Dose % Dose % Dose %

Dose %

ffffff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff fffffff fff

Ac-227 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0

0.00E+00 0

Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.

1RESRAD-OFFSITE, Version 2.6

T Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

# Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 300 years

0

From releases to ground water and to surface water

0

Ground

Fish

Radon

Plant

Meat

Milk

Soil

Water

Radio-	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff
ffffffffffff								

Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose %														

ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													

Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
--------	----------	---	----------	---	----------	---	----------	---	----------	---	----------	---	----------	---

0.00E+00	0												
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 81

Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TD0SE(i,p,t) for Individual Radionuclides (i) and Pathways

(p)

in mrem/yr and as a Percentage of Total Dose at t = 300 years

0 Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

0 Ground Inhalation Radon Plant Meat Milk Soil

All Pathways*

Radio- ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff  
 ffffffff

Nuclide Dose % Dose % Dose % Dose % Dose % Dose % Dose %  
 Dose %

ffffff ffffffff fff ffffffff fff ffffffff fff ffffffff fff ffffffff fff ffffffff fff  
 ffffffff fff

Ac-227 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0 0.00E+00 0



0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.  
1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 82  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TD0SE(i,p,t) for Individual Radionuclides (i) and Pathways													
(p)													
in mrem/yr and as a Percentage of Total Dose at t = 1000 years													
From releases to ground water and to surface water													
0	Ground		Fish		Radon		Plant		Meat		Milk		Soil
0													
Water													
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff
ffffffffffff													
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose %
Dose %													
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff
ffffff	fff		ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff

Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												

Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 83  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)														
in mrem/yr and as a Percentage of Total Dose at t = 1000 years														
0	Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)													
0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
All Pathways*														
Radio-	ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff		ffffffffffff	
ffffffffffff														
Nuclide	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%	Dose	%
Dose	%													
ffffff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff	ffffff	fff
ffffff	fff													

Ac-227	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Al-26	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Am-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-249	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-251	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cf-252	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cl-36	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Co-60	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-134	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Cs-137	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-154	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Eu-155	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
H-3	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Ho-166m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Na-22	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Np-237	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
Pb-210	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0

0.00E+00	0												
Pm-147	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-239	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-240	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-241	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Pu-242	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-226	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ra-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Ru-106	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sb-125	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sm-151	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-121m	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sn-126	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Sr-90	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-228	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												
Th-230	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00
0.00E+00	0												



Th-232	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-233	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-234	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-235	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-236	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
U-238	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													
00000000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000	00000000	000
00000000	000													
Total	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0	0.00E+00	0
0.00E+00	0													

0*Sum of dose from all releases and from primary contamination.  
1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 84  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Dose/Source Ratios Summed Over All Pathways										
Parent and Progeny Principal Radionuclide Contributions Indicated										
0 Parent	Product	Thread	DSR(j,t) (mrem/yr)/(pCi/g)							
(i)	(j)	Fraction	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	
1.000E+03										
ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff	ffffffffffff
Ac-227+D	Ac-227+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Al-26	Al-26	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

0Am-241 0.000E+00	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241 0.000E+00	Np-237+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241 0.000E+00	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241 0.000E+00	Th-229+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cf-249 0.000E+00	Cf-249	5.200E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cf-249 0.000E+00	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Cm-245	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Np-237+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Th-229+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cf-249 0.000E+00	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249 0.000E+00	Cm-245	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Cf-249	Pu-241+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0.000E+00										
Cf-249	Np-237+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-249	U-233	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-249	Th-229+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-249	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cf-251	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	Cm-247+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	Am-243+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	Pu-239	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	U-235+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	Ac-227+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-251	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cf-252	Cf-252	3.092E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cf-252	Cf-252	8.005E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	Cm-248	8.005E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

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T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

## Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Thread Fraction	DSR(j,t) (mrem/yr)/(pCi/g)							
			0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	
1.000E+03										
ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	
0.000E+00										
Cf-252	Cf-252	1.111E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Cm-248	1.111E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Pu-244	1.111E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
0Cf-252	Cf-252	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Cm-248	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Pu-244+D	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Pu-240	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
0Cf-252	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Cf-252	Cm-248	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	

0.000E+00										
Cf-252	Pu-244+D	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	Pu-240	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	U-236	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	Th-232	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	Ra-228+D	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	Th-228+D	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Cf-252	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cl-36	Cl-36	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cs-134	Cs-134	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Cs-137+D	Cs-137+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Eu-154	Eu-154	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Eu-155	Eu-155	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0H-3	H-3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Ho-166m	Ho-166m	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Na-22	Na-22	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

0Np-237+D	Np-237+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Np-237+D	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Np-237+D	Th-229+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Np-237	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

## Parent and Progeny Principal Radionuclide Contributions Indicated

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,t) (mrem/yr)/(pCi/g)							
			0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	
1.000E+03			ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	
			ffffffffff							
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Pb-210+D	Po-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Pb-210	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
0Pm-147	Pm-147	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Pm-147	Sm-147	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
Pm-147	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00										
0Pu-238	Pu-238	1.840E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	

0.000E+00										
0Pu-238	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	Po-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-238	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Pu-239	Pu-239	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-239	U-235+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-239	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-239	Ac-227+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-239	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Pu-240	Pu-240	4.950E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Pu-240	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-240	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-240	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

Pu-240	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-240	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-240	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0Pu-241	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241	Np-237+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241	Th-229+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										

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T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Thread Fraction	DSR(j,t) (mrem/yr)/(pCi/g)							
0			0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	
1.000E+03										
ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff
0.000E+00										
Pu-241+D	Pu-241+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
Pu-241+D	Np-237+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00



0.000E+00 Pu-241+D	U-233	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-241+D	Th-229+D	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-241	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 0Pu-242	Pu-242	5.500E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 0Pu-242	Pu-242	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	U-238	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 0Pu-242	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	U-238+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	U-234	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	Th-230	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	Ra-226+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	Pb-210+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	Po-210	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 Pu-242	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00 0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Ra-226+D 0.000E+00	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D 0.000E+00	Po-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228+D 0.000E+00	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D 0.000E+00	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ru-106+D 0.000E+00	Ru-106+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sb-125 0.000E+00	Sb-125	7.720E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sb-125 0.000E+00	Sb-125	2.280E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Sb-125 0.000E+00	Te-125m	2.280E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Sb-125 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sm-151 0.000E+00	Sm-151	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sn-121m+D 0.000E+00	Sn-121m+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Dose/Source Ratios Summed Over All Pathways  
Parent and Progeny Principal Radionuclide Contributions Indicated

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U-233 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-234 0.000E+00	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234 0.000E+00	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234 0.000E+00	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234 0.000E+00	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234 0.000E+00	Po-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235+D 0.000E+00	U-235+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235+D 0.000E+00	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235+D 0.000E+00	Ac-227+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-236 0.000E+00	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-236 0.000E+00	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-236 0.000E+00	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-236 0.000E+00	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-236 0.000E+00	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0.000E+00  
1RESRAD-OFFSITE, Version 2.6                    T' Limit = 30 days                    09/19/2012 15:32 Page 89  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Dose/Source Ratios Summed Over All Pathways										
Parent and Progeny Principal Radionuclide Contributions Indicated										
Parent (i)	Product (j)	Thread Fraction	DSR(j,t) (mrem/yr)/(pCi/g)							
1.000E+03			0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	
ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff
U-238+D	U-238+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238+D	U-234	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238+D	Th-230	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238+D	Ra-226+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238+D	Pb-210+D	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238+D	Po-210	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
U-238	%DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00										
0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
0000000000										

The DSR includes contributions from associated (half-life ÷ 30 days) daughters.  
1RESRAD-OFFSITE, Version 2.6                    T' Limit = 30 days                    09/19/2012 15:32 Page 90  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Single Radionuclide Soil Guidelines G(i,t) in pCi/g  
Basic Radiation Dose Limit = 1.500E+01 mrem/yr

ØNuclide	(i)	t= 0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff
Ac-227		*7.232E+13	*7.232E+13	*7.232E+13	*7.232E+13	*7.232E+13	*7.232E+13	*7.232E+13	*7.232E+13
Al-26		*1.921E+10	*1.921E+10	*1.921E+10	*1.921E+10	*1.921E+10	*1.921E+10	*1.921E+10	*1.921E+10
Am-241		*3.431E+12	*3.431E+12	*3.431E+12	*3.431E+12	*3.431E+12	*3.431E+12	*3.431E+12	*3.431E+12
Cf-249		*4.094E+12	*4.094E+12	*4.094E+12	*4.094E+12	*4.094E+12	*4.094E+12	*4.094E+12	*4.094E+12
Cf-251		*1.586E+12	*1.586E+12	*1.586E+12	*1.586E+12	*1.586E+12	*1.586E+12	*1.586E+12	*1.586E+12
Cf-252		*5.376E+14	*5.376E+14	*5.376E+14	*5.376E+14	*5.376E+14	*5.376E+14	*5.376E+14	*5.376E+14
Cl-36		*3.302E+10	*3.302E+10	*3.302E+10	*3.302E+10	*3.302E+10	*3.302E+10	*3.302E+10	*3.302E+10
Co-60		*1.132E+15	*1.132E+15	*1.132E+15	*1.132E+15	*1.132E+15	*1.132E+15	*1.132E+15	*1.132E+15
Cs-134		*1.295E+15	*1.295E+15	*1.295E+15	*1.295E+15	*1.295E+15	*1.295E+15	*1.295E+15	*1.295E+15
Cs-137		*8.704E+13	*8.704E+13	*8.704E+13	*8.704E+13	*8.704E+13	*8.704E+13	*8.704E+13	*8.704E+13
Eu-154		*2.639E+14	*2.639E+14	*2.639E+14	*2.639E+14	*2.639E+14	*2.639E+14	*2.639E+14	*2.639E+14
Eu-155		*4.652E+14	*4.652E+14	*4.652E+14	*4.652E+14	*4.652E+14	*4.652E+14	*4.652E+14	*4.652E+14
H-3		*9.597E+15	*9.597E+15	*9.597E+15	*9.597E+15	*9.597E+15	*9.597E+15	*9.597E+15	*9.597E+15
Ho-166m		*1.795E+12	*1.795E+12	*1.795E+12	*1.795E+12	*1.795E+12	*1.795E+12	*1.795E+12	*1.795E+12
Na-22		*6.247E+15	*6.247E+15	*6.247E+15	*6.247E+15	*6.247E+15	*6.247E+15	*6.247E+15	*6.247E+15
Np-237		*7.047E+08	*7.047E+08	*7.047E+08	*7.047E+08	*7.047E+08	*7.047E+08	*7.047E+08	*7.047E+08
Pb-210		*7.634E+13	*7.634E+13	*7.634E+13	*7.634E+13	*7.634E+13	*7.634E+13	*7.634E+13	*7.634E+13
Pm-147		*9.275E+14	*9.275E+14	*9.275E+14	*9.275E+14	*9.275E+14	*9.275E+14	*9.275E+14	*9.275E+14
Pu-238		*1.712E+13	*1.712E+13	*1.712E+13	*1.712E+13	*1.712E+13	*1.712E+13	*1.712E+13	*1.712E+13
Pu-239		*6.214E+10	*6.214E+10	*6.214E+10	*6.214E+10	*6.214E+10	*6.214E+10	*6.214E+10	*6.214E+10
Pu-240		*2.278E+11	*2.278E+11	*2.278E+11	*2.278E+11	*2.278E+11	*2.278E+11	*2.278E+11	*2.278E+11
Pu-241		*1.030E+14	*1.030E+14	*1.030E+14	*1.030E+14	*1.030E+14	*1.030E+14	*1.030E+14	*1.030E+14
Pu-242		*3.925E+09	*3.925E+09	*3.925E+09	*3.925E+09	*3.925E+09	*3.925E+09	*3.925E+09	*3.925E+09
Ra-226		*9.885E+11	*9.885E+11	*9.885E+11	*9.885E+11	*9.885E+11	*9.885E+11	*9.885E+11	*9.885E+11
Ra-228		*2.726E+14	*2.726E+14	*2.726E+14	*2.726E+14	*2.726E+14	*2.726E+14	*2.726E+14	*2.726E+14
Ru-106		*3.348E+15	*3.348E+15	*3.348E+15	*3.348E+15	*3.348E+15	*3.348E+15	*3.348E+15	*3.348E+15

Sb-125	*1.033E+15	*1.033E+15	*1.033E+15	*1.033E+15	*1.033E+15	*1.033E+15	*1.033E+15	*1.033E+15
Sm-151	*2.632E+13	*2.632E+13	*2.632E+13	*2.632E+13	*2.632E+13	*2.632E+13	*2.632E+13	*2.632E+13
Sn-121m	*5.376E+13	*5.376E+13	*5.376E+13	*5.376E+13	*5.376E+13	*5.376E+13	*5.376E+13	*5.376E+13
Sn-126	*2.839E+10	*2.839E+10	*2.839E+10	*2.839E+10	*2.839E+10	*2.839E+10	*2.839E+10	*2.839E+10
Sr-90	*1.365E+14	*1.365E+14	*1.365E+14	*1.365E+14	*1.365E+14	*1.365E+14	*1.365E+14	*1.365E+14
Th-228	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14
Th-230	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10
Th-232	*1.097E+05	*1.097E+05	*1.097E+05	*1.097E+05	*1.097E+05	*1.097E+05	*1.097E+05	*1.097E+05
U-233	*9.678E+09	*9.678E+09	*9.678E+09	*9.678E+09	*9.678E+09	*9.678E+09	*9.678E+09	*9.678E+09
U-234	*6.247E+09	*6.247E+09	*6.247E+09	*6.247E+09	*6.247E+09	*6.247E+09	*6.247E+09	*6.247E+09
U-235	*2.161E+06	*2.161E+06	*2.161E+06	*2.161E+06	*2.161E+06	*2.161E+06	*2.161E+06	*2.161E+06
U-236	*6.468E+07	*6.468E+07	*6.468E+07	*6.468E+07	*6.468E+07	*6.468E+07	*6.468E+07	*6.468E+07
U-238	*3.361E+05	*3.361E+05	*3.361E+05	*3.361E+05	*3.361E+05	*3.361E+05	*3.361E+05	*3.361E+05
00000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000

*At specific activity limit

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)

and Single Radionuclide Soil Guidelines G(i,t) in pCi/g

at tmin = time of minimum single radionuclide soil guideline

and at tmax = time of maximum total dose = 0 years

0Nuclide	Initial	tmin	DSR(i,tmin)	G(i,tmin)	DSR(i,tmax)	G(i,tmax)
(i)	(pCi/g)	(years)		(pCi/g)		(pCi/g)
ffffff	ffffff	ffffff	ffffff	ffffff	ffffff	ffffff
Ac-227	2.340E+00	0	0.000E+00	*7.232E+13	0.000E+00	*7.232E+13
Al-26	7.640E+02	0	0.000E+00	*1.921E+10	0.000E+00	*1.921E+10
Am-241	1.410E+03	0	0.000E+00	*3.431E+12	0.000E+00	*3.431E+12
Cf-249	3.240E-03	0	0.000E+00	*4.094E+12	0.000E+00	*4.094E+12
Cf-251	1.340E-02	0	0.000E+00	*1.586E+12	0.000E+00	*1.586E+12
Cf-252	1.510E-07	0	0.000E+00	*5.376E+14	0.000E+00	*5.376E+14

Cl-36	2.790E-01	0	0.000E+00	*3.302E+10	0.000E+00	*3.302E+10
Co-60	4.860E+00	0	0.000E+00	*1.132E+15	0.000E+00	*1.132E+15
Cs-134	2.620E-06	0	0.000E+00	*1.295E+15	0.000E+00	*1.295E+15
Cs-137	3.050E+03	0	0.000E+00	*8.704E+13	0.000E+00	*8.704E+13
Eu-154	9.920E-03	0	0.000E+00	*2.639E+14	0.000E+00	*2.639E+14
Eu-155	8.720E-03	0	0.000E+00	*4.652E+14	0.000E+00	*4.652E+14
H-3	3.780E+04	0	0.000E+00	*9.597E+15	0.000E+00	*9.597E+15
Ho-166m	5.020E-01	0	0.000E+00	*1.795E+12	0.000E+00	*1.795E+12
Na-22	1.120E-03	0	0.000E+00	*6.247E+15	0.000E+00	*6.247E+15
Np-237	1.620E-03	0	0.000E+00	*7.047E+08	0.000E+00	*7.047E+08
Pb-210	2.850E+00	0	0.000E+00	*7.634E+13	0.000E+00	*7.634E+13
Pm-147	1.370E-08	0	0.000E+00	*9.275E+14	0.000E+00	*9.275E+14
Pu-238	1.470E+04	0	0.000E+00	*1.712E+13	0.000E+00	*1.712E+13
Pu-239	9.250E+03	0	0.000E+00	*6.214E+10	0.000E+00	*6.214E+10
Pu-240	2.380E+03	0	0.000E+00	*2.278E+11	0.000E+00	*2.278E+11
Pu-241	3.820E+03	0	0.000E+00	*1.030E+14	0.000E+00	*1.030E+14
Pu-242	2.520E-01	0	0.000E+00	*3.925E+09	0.000E+00	*3.925E+09
Ra-226	3.850E+00	0	0.000E+00	*9.885E+11	0.000E+00	*9.885E+11
Ra-228	4.190E+00	0	0.000E+00	*2.726E+14	0.000E+00	*2.726E+14
Ru-106	7.770E-09	0	0.000E+00	*3.348E+15	0.000E+00	*3.348E+15
Sb-125	5.400E-04	0	0.000E+00	*1.033E+15	0.000E+00	*1.033E+15
Sm-151	2.110E-02	0	0.000E+00	*2.632E+13	0.000E+00	*2.632E+13
Sn-121m	5.020E-01	0	0.000E+00	*5.376E+13	0.000E+00	*5.376E+13
Sn-126	1.220E-01	0	0.000E+00	*2.839E+10	0.000E+00	*2.839E+10
Sr-90	4.300E+02	0	0.000E+00	*1.365E+14	0.000E+00	*1.365E+14
Th-228	8.930E-03	0	0.000E+00	*8.195E+14	0.000E+00	*8.195E+14
Th-230	8.370E+01	0	0.000E+00	*2.018E+10	0.000E+00	*2.018E+10
Th-232	9.880E-03	0	0.000E+00	*1.097E+05	0.000E+00	*1.097E+05
U-233	2.790E+00	0	0.000E+00	*9.678E+09	0.000E+00	*9.678E+09
U-234	4.260E+01	0	0.000E+00	*6.247E+09	0.000E+00	*6.247E+09
U-235	2.180E+02	0	0.000E+00	*2.161E+06	0.000E+00	*2.161E+06
U-236	4.070E-01	0	0.000E+00	*6.468E+07	0.000E+00	*6.468E+07
U-238	5.350E+01	0	0.000E+00	*3.361E+05	0.000E+00	*3.361E+05



0000000 000000000 0000000000000000 000000000 000000000 000000000 000000000  
*At specific activity limit

1RESRAD-OFFSITE, Version 2.6                    T' Limit = 30 days                    09/19/2012 15:32 Page 92  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Dose Summed Over All Pathways										
Parent Nuclide and Thread Fraction Indicated										
Nuclide (j)	Parent (i)	THF(i)	DOSE(j,t), mrem/yr							
			t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02 1.000E+03
Ac-227	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ac-227	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ac-227	Pu-239	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ac-227	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ac-227	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Al-26	Al-26	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Am-241	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Am-241	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Np-237	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	Np-237	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	Pu-241	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Np-237	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0U-233	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	Np-237	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	Pu-241	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-233	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Th-229	Am-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

+00	Th-229	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	Np-237	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	Pu-241	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	U-233	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-229	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	0Cf-249	Cf-249	5.200E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Cf-249	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Cf-249	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 93  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Dose Summed Over All Pathways												
Parent Nuclide and Thread Fraction Indicated												
			DOSE(j,t), mrem/yr									
0Nuclide	Parent	THF(i)	t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
(j)	(i)											
03												
ffff	ffff	ffff		ffff	ffff	ffff	ffff	ffff	ffff	ffff	ffff	ffff
ffff												

Cm-245	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Cm-245	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Pu-241	Cf-249	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Pu-241	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Pu-241	Pu-241	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Pu-241	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Cf-249	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Cm-245	Cf-249	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Cf-251	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Cm-247	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Am-243	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0Pu-239	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Pu-239	Pu-239	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
Pu-239	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
0U-235	Cf-251	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-235	Pu-239	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												
U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00



Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

			Individual Nuclide Dose Summed Over All Pathways Parent Nuclide and Thread Fraction Indicated								
0Nuclide	Parent	THF(i)	DOSE(j,t), mrem/yr								
(j)	(i)		t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
0Cm-248	Cf-252	1.111E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-244	Cf-252	1.111E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-244	Cf-252	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-244	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-240	Cf-252	4.395E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-240	Pu-240	4.950E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-240	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cf-252	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-244	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-240	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-236	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-236	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

+00												
U-236	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
U-236	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-232	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-232	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-232	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-232	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Ra-228	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-228	Cf-252	8.879E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-228	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												
Th-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00												

Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	U-236	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cl-36	Cl-36	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Individual Nuclide Dose Summed Over All Pathways

Parent Nuclide and Thread Fraction Indicated

0Nuclide	Parent	THF(i)	DOSE(j,t), mrem/yr								
(j)	(i)		t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cs-134	Cs-134	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Cs-137	Cs-137	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Eu-154	Eu-154	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Eu-155	Eu-155	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0H-3	H-3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00



+00											
0Ho-166m	Ho-166m	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
0Na-22	Na-22	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
0Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	U-238	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Pb-210	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
0Po-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Po-210	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Po-210	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Po-210	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Po-210	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											
Po-210	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E
+00											

Po-210	U-238	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
Po-210	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
0Pm-147	Pm-147	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
0Sm-147	Pm-147	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
0Pu-238	Pu-238	1.840E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
Pu-238	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
Pu-238	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## Individual Nuclide Dose Summed Over All Pathways

Parent Nuclide and Thread Fraction Indicated

0Nuclide	Parent	THF(i)	DOSE(j,t), mrem/yr								
(j)	(i)		t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
U-234	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00											
U-234	U-238	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

+00	U-234	%DOSE(j):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	0Th-230	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-230	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-230	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-230	U-238	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Th-230	%DOSE(j):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	0Ra-226	Pu-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	U-238	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	Ra-226	%DOSE(j):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	0Pu-240	Pu-240	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00	0Pu-241	Pu-241	2.450E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
+00												

0Pu-242 +00	Pu-242	5.500E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pu-242 +00	Pu-242	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pu-242 +00	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238 +00	Pu-242	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238 +00	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238 +00	U-238	5.400E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238 +00	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Pu-242 +00	Pu-242	9.999E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ru-106 +00	Ru-106	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sb-125 +00	Sb-125	7.720E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Sb-125 +00	Sb-125	2.280E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Sb-125 +00	%DOSE(j):		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Te-125m +00	Sb-125	2.280E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Sm-151 +00	Sm-151	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

## DOSE(j,t), mrem/yr

THF(i) is the thread fraction of the parent nuclide.

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File : RCTP - NO CAP - HYDRO.ROF

 $S(j,t), \text{ pCi/g}$ 

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2.033E-19

Ac-227 Pu-239 1.000E+00 0.000E+00 1.043E-12 2.114E-10 1.611E-09 2.207E-08 5.376E-07 6.922E-06

8.500E-05

Ac-227 U-235 1.000E+00 0.000E+00 7.323E-05 2.484E-03 9.342E-03 4.915E-02 3.202E-01 1.211E+00 4.125E+00

Ac-227 %S(j): 2.340E+00 2.267E+00 1.936E+00 1.606E+00 9.495E-01 4.172E-01 1.211E+00 4.125E+00

Al-26 Al-26 1.000E+00 7.640E+02 7.640E+02 7.640E+02 7.640E+02 7.639E+02 7.637E+02 7.631E+02 7.610E+02

Am-241 Am-241 1.000E+00 1.410E+03 1.408E+03 1.396E+03 1.383E+03 1.344E+03 1.201E+03 8.715E+02 2.836E+02

Am-241 Cf-249 1.000E+00 0.000E+00 3.451E-12 6.825E-10 5.063E-09 6.441E-08 1.277E-06 1.184E-05 6.663E-05

Am-241 Pu-241 1.000E+00 0.000E+00 5.975E+00 3.176E+01 5.525E+01 9.440E+01 1.111E+02 8.137E+01 2.648E+01

Am-241 %S(j): 1.410E+03 1.414E+03 1.428E+03 1.438E+03 1.438E+03 1.312E+03 9.528E+02 3.100E+02

Np-237 Am-241 1.000E+00 0.000E+00 4.563E-04 2.727E-03 5.426E-03 1.337E-02 4.209E-02 1.079E-01 2.203E-01

Np-237 Cf-249 1.000E+00 0.000E+00 2.905E-19 3.378E-16 5.072E-15 1.674E-13 1.227E-11 3.910E-10 9.276E-09

Np-237 Cf-249 2.450E-05 0.000E+00 1.708E-20 3.385E-18 2.517E-17 3.227E-16 6.612E-15 6.787E-14 5.497E-13

Np-237 Np-237 1.000E+00 1.620E-03 1.620E-03 1.620E-03 1.619E-03 1.618E-03 1.612E-03 1.595E-03 1.539E-03

Np-237 Pu-241 1.000E+00 0.000E+00 9.837E-07 3.243E-05 1.181E-04 5.718E-04 3.055E-03 9.198E-03 1.973E-02

Np-237 Pu-241 2.450E-05 0.000E+00 2.959E-08 1.579E-07 2.762E-07 4.807E-07 6.221E-07 6.208E-07 5.990E-07

Np-237 %S(j): 1.620E-03 2.077E-03 4.379E-03 7.164E-03 1.556E-02 4.675E-02 1.187E-01 2.416E-01

U-233 Am-241 1.000E+00 0.000E+00 1.006E-09 3.586E-08 1.428E-07 8.827E-07 9.409E-06 7.546E-05 5.804E-04

U-233	Cf-249	1.000E+00	0.000E+00	1.268E-24	1.799E-21	5.437E-20	4.596E-18	1.204E-15	1.263E-13
1.139E-11									
U-233	Cf-249	2.450E-05	0.000E+00	1.944E-26	2.261E-23	3.401E-22	1.129E-20	8.468E-19	2.893E-17
8.728E-16									
U-233	Np-237	1.000E+00	0.000E+00	7.084E-09	4.248E-08	8.491E-08	2.119E-07	7.014E-07	2.063E-06
6.413E-06									
U-233	Pu-241	1.000E+00	0.000E+00	1.469E-12	2.912E-10	2.167E-09	2.781E-08	5.736E-07	5.994E-06
5.075E-05									
U-233	Pu-241	2.450E-05	0.000E+00	6.575E-14	2.173E-12	7.940E-12	3.882E-11	2.168E-10	7.477E-10
2.446E-09									
U-233	U-233	1.000E+00	2.790E+00	2.790E+00	2.788E+00	2.785E+00	2.778E+00	2.749E+00	2.668E+00
+00									2.404E
U-233	%S(j):		2.790E+00	2.790E+00	2.788E+00	2.785E+00	2.778E+00	2.749E+00	2.668E+00
+00									2.405E
0Th-229	Am-241	1.000E+00	0.000E+00	3.232E-14	6.794E-12	5.408E-11	8.368E-10	2.999E-08	7.389E-07
2.034E-05									
Th-229	Cf-249	1.000E+00	0.000E+00	5.241E-23	0.000E+00	0.000E+00	2.163E-21	2.064E-18	6.988E-16
2.329E-13									
Th-229	Cf-249	2.450E-05	0.000E+00	1.210E-27	1.042E-27	7.728E-26	6.680E-24	1.785E-21	1.983E-19
2.180E-17									
Th-229	Np-237	1.000E+00	0.000E+00	3.373E-13	1.205E-11	4.813E-11	3.002E-10	3.312E-09	2.923E-08
3.033E-07									
Th-229	Pu-241	1.000E+00	0.000E+00	3.595E-17	4.200E-14	6.320E-13	2.101E-11	1.585E-09	5.504E-08
1.740E-06									
Th-229	Pu-241	2.450E-05	0.000E+00	2.120E-18	4.211E-16	3.140E-15	4.061E-14	8.640E-13	9.917E-12
1.133E-10									
Th-229	U-233	1.000E+00	0.000E+00	2.634E-04	1.580E-03	3.157E-03	7.875E-03	2.603E-02	7.621E-02
2.333E-01									
Th-229	%S(j):		0.000E+00	2.634E-04	1.580E-03	3.157E-03	7.875E-03	2.603E-02	7.621E-02
2.333E-01									
0Cf-249	Cf-249	5.200E-09	1.685E-11	1.681E-11	1.665E-11	1.645E-11	1.588E-11	1.382E-11	9.302E-12
2.326E-12									
Cf-249	Cf-249	1.000E+00	3.240E-03	3.234E-03	3.202E-03	3.164E-03	3.053E-03	2.658E-03	1.789E-03

4.473E-04

Cf-249 %S(j): 3.240E-03 3.234E-03 3.202E-03 3.164E-03 3.053E-03 2.658E-03 1.789E-03

4.473E-04

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T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Soil Concentration  
Parent Nuclide and Thread Fraction Indicated

0Nuclide	Parent	THF(i)	S(j,t), pCi/g								
(j)	(i)		t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cm-245	Cf-249	1.000E+00	0.000E+00	2.639E-07	1.575E-06	3.131E-06	7.685E-06	2.386E-05	5.889E-05		
1.085E-04											
Cm-245	%S(j):		0.000E+00	2.639E-07	1.575E-06	3.131E-06	7.685E-06	2.386E-05	5.889E-05		
1.085E-04											
0Pu-241	Cf-249	1.000E+00	0.000E+00	6.304E-09	2.077E-07	7.558E-07	3.648E-06	1.925E-05	5.584E-05		
1.079E-04											
Pu-241	Cf-249	2.450E-05	0.000E+00	1.544E-13	5.089E-12	1.852E-11	8.939E-11	4.715E-10	1.368E-09		
2.644E-09											
Pu-241	Pu-241	1.000E+00	3.820E+03	3.640E+03	2.862E+03	2.144E+03	9.014E+02	3.102E+01	2.044E-03		
4.753E-18											
Pu-241	%S(j):		3.820E+03	3.640E+03	2.862E+03	2.144E+03	9.014E+02	3.102E+01	2.100E-03		
1.079E-04											
0Cf-249	Cf-249	2.450E-05	7.938E-08	7.922E-08	7.844E-08	7.752E-08	7.480E-08	6.512E-08	4.383E-08		
1.096E-08											
0Cm-245	Cf-249	2.450E-05	0.000E+00	6.466E-12	3.860E-11	7.672E-11	1.883E-10	5.846E-10	1.443E-09		
2.659E-09											
0Cf-251	Cf-251	1.000E+00	1.340E-02	1.339E-02	1.334E-02	1.328E-02	1.309E-02	1.240E-02	1.062E-02		
6.175E-03											



0Cm-247	Cf-251	1.000E+00	0.000E+00	5.952E-10	3.564E-09	7.111E-09	1.765E-08	5.727E-08	1.592E-07
4.126E-07									
0Am-243	Cf-251	1.000E+00	0.000E+00	2.818E-14	1.006E-12	4.014E-12	2.495E-11	2.716E-10	2.308E-09
2.118E-08									
0Pu-239	Cf-251	1.000E+00	0.000E+00	2.761E-19	5.811E-17	4.632E-16	7.200E-15	2.625E-13	6.778E-12
2.161E-10									
Pu-239	Pu-239	1.000E+00	9.250E+03	9.250E+03	9.248E+03	9.247E+03	9.242E+03	9.223E+03	9.169E+03
+03									8.983E
Pu-239	%S(j):		9.250E+03	9.250E+03	9.248E+03	9.247E+03	9.242E+03	9.223E+03	9.169E+03
+03									8.983E
0U-235	Cf-251	1.000E+00	0.000E+00	2.227E-28	8.629E-26	1.371E-24	5.321E-23	6.473E-21	5.030E-19
5.393E-17									
U-235	Pu-239	1.000E+00	0.000E+00	9.109E-06	5.463E-05	1.092E-04	2.726E-04	9.031E-04	2.663E-03
8.356E-03									
U-235	U-235	1.000E+00	2.180E+02	2.180E+02	2.178E+02	2.176E+02	2.171E+02	2.149E+02	2.088E+02
+02									1.887E
U-235	%S(j):		2.180E+02	2.180E+02	2.178E+02	2.176E+02	2.171E+02	2.149E+02	2.088E+02
+02									1.887E
0Pa-231	Cf-251	1.000E+00	0.000E+00	7.589E-28	1.824E-27	0.000E+00	8.144E-27	2.749E-24	6.445E-22
2.351E-19									
Pa-231	Pu-239	1.000E+00	0.000E+00	9.717E-11	3.472E-09	1.387E-08	8.657E-08	9.575E-07	8.507E-06
9.035E-05									
Pa-231	U-235	1.000E+00	0.000E+00	4.612E-03	2.766E-02	5.530E-02	1.380E-01	4.574E-01	1.350E+00
+00									4.248E
Pa-231	%S(j):		0.000E+00	4.612E-03	2.766E-02	5.530E-02	1.380E-01	4.575E-01	1.350E+00
+00									4.249E
0Cf-252	Cf-252	3.092E-02	4.669E-09	3.591E-09	9.663E-10	1.999E-10	1.762E-12	1.814E-20	2.733E-43
+00									0.000E
Cf-252	Cf-252	8.005E-02	1.209E-08	9.297E-09	2.502E-09	5.174E-10	4.562E-12	4.697E-20	7.063E-43
+00									0.000E
Cf-252	%S(j):		1.676E-08	1.289E-08	3.468E-09	7.173E-10	6.324E-12	6.511E-20	9.795E-43
+00									0.000E
0Cm-248	Cf-252	8.005E-02	0.000E+00	2.171E-14	7.459E-14	9.002E-14	9.400E-14	9.397E-14	9.379E-14

9.315E-14  
 Cm-248 Cf-252 4.395E-08 0.000E+00 1.192E-20 4.095E-20 4.943E-20 5.161E-20 5.160E-20 5.150E-20  
 5.115E-20  
 Cm-248 Cf-252 8.879E-01 0.000E+00 2.409E-13 8.274E-13 9.986E-13 1.043E-12 1.042E-12 1.040E-12  
 1.033E-12  
 Cm-248 %S(j): 0.000E+00 2.626E-13 9.019E-13 1.089E-12 1.137E-12 1.136E-12 1.134E-12  
 1.126E-12  
 0Cf-252 Cf-252 1.111E-03 1.678E-10 1.291E-10 3.473E-11 7.183E-12 6.333E-14 6.520E-22 9.809E-45 0.000E  
 +00  
 Cf-252 Cf-252 4.395E-08 6.637E-15 5.105E-15 1.374E-15 2.841E-16 2.505E-18 2.579E-26 0.000E+00 0.000E  
 +00  
 Cf-252 %S(j): 1.678E-10 1.291E-10 3.473E-11 7.183E-12 6.333E-14 6.521E-22 9.809E-45 0.000E  
 +00

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Soil Concentration  
 Parent Nuclide and Thread Fraction Indicated

0Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g								
			t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
0Cm-248	Cf-252	1.111E-03	0.000E+00	3.015E-16	1.035E-15	1.250E-15	1.305E-15	1.305E-15	1.302E-15	1.293E-15	1.293E-15
0Pu-244	Cf-252	1.111E-03	0.000E+00	1.330E-24	3.267E-23	9.157E-23	2.870E-22	1.054E-21	3.241E-21	1.086E-20	1.086E-20
0Pu-244	Cf-252	4.395E-08	0.000E+00	5.261E-29	1.292E-27	3.622E-27	1.135E-26	4.167E-26	1.282E-25	4.295E-25	4.295E-25
Pu-244	%S(j):		0.000E+00	5.261E-29	1.292E-27	3.622E-27	1.135E-26	4.167E-26	1.282E-25	4.295E-25	4.295E-25

0Pu-240	Cf-252	4.395E-08	0.000E+00	1.937E-33	3.065E-31	1.848E-30	1.608E-29	2.121E-28	1.993E-27	
2.194E-26										
Pu-240	Pu-240	4.950E-08	1.178E-04	1.178E-04	1.177E-04	1.177E-04	1.174E-04	1.166E-04	1.141E-04	
1.059E-04										
Pu-240	%S(j):		1.178E-04	1.178E-04	1.177E-04	1.177E-04	1.174E-04	1.166E-04	1.141E-04	
1.059E-04										
0Cf-252	Cf-252	8.879E-01	1.341E-07	1.031E-07	2.775E-08	5.739E-09	5.060E-11	5.210E-19	7.830E-42	0.000E
+00										
0Pu-244	Cf-252	8.879E-01	0.000E+00	1.063E-21	2.611E-20	7.316E-20	2.293E-19	8.418E-19	2.589E-18	
8.678E-18										
0Pu-240	Cf-252	8.879E-01	0.000E+00	3.913E-26	6.193E-24	3.733E-23	3.249E-22	4.286E-21	4.026E-20	
4.433E-19										
0U-236	Cf-252	8.879E-01	0.000E+00	3.009E-34	2.948E-31	3.715E-30	8.688E-29	4.070E-27	1.168E-25	
4.245E-24										
U-236	Pu-240	1.000E+00	0.000E+00	7.045E-05	4.224E-04	8.442E-04	2.106E-03	6.958E-03	2.036E-02	
6.215E-02										
U-236	U-236	1.000E+00	4.070E-01	4.069E-01	4.066E-01	4.063E-01	4.052E-01	4.012E-01	3.897E-01	
3.522E-01										
U-236	%S(j):		4.070E-01	4.070E-01	4.071E-01	4.071E-01	4.073E-01	4.081E-01	4.101E-01	
4.144E-01										
0Th-232	Cf-252	8.879E-01	0.000E+00	1.153E-39	0.000E+00	1.346E-39	2.942E-38	4.856E-36	4.285E-34	
5.283E-32										
Th-232	Pu-240	1.000E+00	0.000E+00	1.752E-15	6.260E-14	2.501E-13	1.560E-12	1.723E-11	1.525E-10	
1.599E-09										
Th-232	Th-232	1.000E+00	9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	
9.880E-03										
Th-232	U-236	1.000E+00	0.000E+00	2.008E-11	1.204E-10	2.407E-10	6.011E-10	1.993E-09	5.895E-09	
1.870E-08										
Th-232	%S(j):		9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	9.880E-03	
9.880E-03										
0Ra-228	Cf-252	8.879E-01	0.000E+00	1.165E-39	0.000E+00	1.050E-39	1.244E-38	3.552E-36	3.845E-34	
5.114E-32										
Ra-228	Pu-240	1.000E+00	0.000E+00	6.965E-17	1.274E-14	8.715E-14	9.299E-13	1.462E-11	1.444E-10	

1.574E-09  
 Ra-228 Ra-228 1.000E+00 4.190E+00 3.714E+00 2.033E+00 9.866E-01 1.126E-01 2.438E-05 8.249E-16 0.000E+00  
 Ra-228 Th-232 1.000E+00 0.000E+00 1.122E-03 5.085E-03 7.553E-03 9.614E-03 9.880E-03 9.880E-03  
 Ra-228 U-236 1.000E+00 0.000E+00 1.172E-12 3.473E-11 1.135E-10 4.395E-10 1.829E-09 5.735E-09  
 Ra-228 %S(j): 4.190E+00 3.716E+00 2.038E+00 9.942E-01 1.222E-01 9.904E-03 9.880E-03  
 Th-228 Cf-252 8.879E-01 0.000E+00 6.459E-40 0.000E+00 0.000E+00 6.591E-39 3.154E-36 3.703E-34  
 Th-228 Pu-240 1.000E+00 0.000E+00 6.104E-18 4.871E-15 5.022E-14 7.455E-13 1.378E-11 1.418E-10  
 Th-228 Ra-228 1.000E+00 0.000E+00 1.193E+00 2.331E+00 1.397E+00 1.687E-01 3.654E-05 1.236E-15 0.000E+00  
 Th-228 Th-228 1.000E+00 8.930E-03 6.219E-03 1.018E-03 1.160E-04 1.701E-07 1.649E-18 0.000E+00 0.000E+00  
 Th-228 Th-232 1.000E+00 0.000E+00 1.852E-04 3.256E-03 6.457E-03 9.482E-03 9.880E-03 9.880E-03  
 Th-228 U-236 1.000E+00 0.000E+00 1.330E-13 1.647E-11 7.734E-11 3.865E-10 1.774E-09 5.682E-09  
 Th-228 %S(j): 8.930E-03 1.200E+00 2.336E+00 1.404E+00 1.782E-01 9.916E-03 9.880E-03  
 Cl-36 Cl-36 1.000E+00 2.790E-01 2.770E-01 2.671E-01 2.557E-01 2.243E-01 1.349E-01 3.152E-02  
 1.946E-04

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Soil Concentration  
 Parent Nuclide and Thread Fraction Indicated  
 S(j,t), pCi/g

Nuclide Parent THF(i)

(j)	(i)	t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff	ffffffffff
Co-60	Co-60	1.000E+00	4.860E+00	4.258E+00	2.199E+00	9.944E-01	9.193E-02	8.764E-06	2.847E-17	0.000E+00
0Cs-134	Cs-134	1.000E+00	2.620E-06	1.873E-06	3.494E-07	4.653E-08	1.093E-10	6.603E-21	0.000E+00	0.000E+00
0Cs-137	Cs-137	1.000E+00	3.050E+03	2.980E+03	2.655E+03	2.311E+03	1.524E+03	3.018E+02	2.956E+00	2.747E-07
0Eu-154	Eu-154	1.000E+00	9.920E-03	9.169E-03	6.184E-03	3.855E-03	9.337E-04	3.762E-06	5.410E-13	6.099E-37
0Eu-155	Eu-155	1.000E+00	8.720E-03	7.583E-03	3.772E-03	1.631E-03	1.317E-04	7.435E-09	5.398E-21	0.000E+00
0H-3	H-3	1.000E+00	3.780E+04	3.548E+04	2.584E+04	1.767E+04	5.644E+03	6.676E+01	2.082E-04	1.115E-23
0Ho-166m	Ho-166m	1.000E+00	5.020E-01	5.017E-01	5.003E-01	4.985E-01	4.934E-01	4.738E-01	4.219E-01	2.813E-01
0Na-22	Na-22	1.000E+00	1.120E-03	8.583E-04	2.268E-04	4.588E-05	3.786E-07	3.015E-15	2.175E-38	0.000E+00
0Pb-210	Pb-210	1.000E+00	2.850E+00	2.763E+00	2.365E+00	1.962E+00	1.121E+00	1.271E-01	2.530E-04	8.894E-14
Pb-210	Pu-238	1.000E+00	0.000E+00	2.227E-13	2.620E-10	3.985E-09	1.358E-07	1.057E-05	3.246E-04	6.293E-03
Pb-210	Pu-242	9.999E-01	0.000E+00	3.071E-25	2.392E-25	2.635E-23	2.337E-21	7.138E-19	9.555E-17	1.380E-14
Pb-210	Ra-226	1.000E+00	0.000E+00	1.178E-01	6.541E-01	1.195E+00	2.317E+00	3.563E+00	3.426E+00	2.530E+00
Pb-210	Th-230	1.000E+00	0.000E+00	5.622E-04	1.908E-02	7.182E-02	3.785E-01	2.467E+00	9.146E+00	2.851E+01
Pb-210	U-234	1.000E+00	0.000E+00	8.782E-10	1.780E-07	1.357E-06	1.860E-05	4.528E-04	5.726E-03	6.457E-02
Pb-210	U-238	9.999E-01	0.000E+00	7.079E-16	9.628E-13	1.478E-11	5.182E-10	4.511E-08	1.871E-06	

7.515E-05

Pb-210	%S(j):		2.850E+00	2.881E+00	3.038E+00	3.229E+00	3.817E+00	6.157E+00	1.258E+01	3.111E+01
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0Po-210	Pb-210	1.000E+00	0.000E+00	2.340E+00	2.406E+00	1.996E+00	1.141E+00	1.293E-01	2.574E-04	9.048E-14
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Po-210	Pu-238	1.000E+00	0.000E+00	6.441E-14	1.891E-10	3.362E-09	1.269E-07	1.038E-05	3.229E-04	6.285E-03
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Po-210	Pu-242	9.999E-01	0.000E+00	1.147E-24	3.853E-25	2.241E-23	2.145E-21	6.961E-19	9.480E-17	1.377E-14
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Po-210	Ra-226	1.000E+00	0.000E+00	6.409E-02	5.990E-01	1.150E+00	2.291E+00	3.561E+00	3.427E+00	2.530E+00
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Po-210	Th-230	1.000E+00	0.000E+00	2.322E-04	1.600E-02	6.590E-02	3.667E-01	2.449E+00	9.128E+00	2.849E+01
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Po-210	U-234	1.000E+00	0.000E+00	2.966E-10	1.379E-07	1.192E-06	1.769E-05	4.467E-04	5.704E-03	6.451E-02
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Po-210	U-238	9.999E-01	0.000E+00	5.062E-17	6.942E-13	1.246E-11	4.838E-10	4.424E-08	1.860E-06	7.503E-05
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Po-210	%S(j):		0.000E+00	2.405E+00	3.021E+00	3.212E+00	3.798E+00	6.139E+00	1.256E+01	3.110E+01
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0Pm-147	Pm-147	1.000E+00	1.370E-08	1.052E-08	2.811E-09	5.762E-10	4.948E-12	4.597E-20	5.157E-43	0.000E+00
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0Sm-147	Pm-147	1.000E+00	0.000E+00	7.865E-20	2.695E-19	3.248E-19	3.389E-19	3.388E-19	3.383E-19	3.365E-19
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0Pu-238	Pu-238	1.840E-09	2.705E-05	2.684E-05	2.580E-05	2.460E-05	2.134E-05	1.227E-05	2.528E-06	1.002E-08
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Pu-238	Pu-238	1.000E+00	1.470E+04	1.458E+04	1.402E+04	1.337E+04	1.160E+04	6.671E+03	1.374E+03	5.447E+00
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Pu-238	%S(j):		1.470E+04	1.458E+04	1.402E+04	1.337E+04	1.160E+04	6.671E+03	1.374E+03	5.447E+00
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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Soil Concentration									
Parent Nuclide and Thread Fraction Indicated									
0Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g						
			t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02 3.000E+02 1.000E+03
U-234	Pu-238	1.000E+00	0.000E+00	4.151E-02	2.441E-01	4.767E-01	1.111E+00	2.857E+00	4.640E+00 4.637E+00
U-234	Pu-242	9.999E-01	0.000E+00	5.587E-17	1.996E-15	7.973E-15	4.973E-14	5.487E-13	4.843E-12
U-234	U-234	1.000E+00	4.260E+01	4.259E+01	4.256E+01	4.252E+01	4.241E+01	4.198E+01	4.076E+01 3.677E+01
U-234	U-238	9.999E-01	0.000E+00	1.516E-04	9.092E-04	1.817E-03	4.530E-03	1.495E-02	4.355E-02
U-234	%S(j):		4.260E+01	4.264E+01	4.281E+01	4.300E+01	4.353E+01	4.485E+01	4.544E+01 4.153E+01
Th-230	Pu-238	1.000E+00	0.000E+00	1.886E-07	6.652E-06	2.617E-05	1.560E-04	1.458E-03	8.639E-03
Th-230	Pu-242	9.999E-01	0.000E+00	1.711E-22	3.602E-20	2.874E-19	4.479E-18	1.650E-16	4.389E-15
Th-230	Th-230	1.000E+00	8.370E+01	8.370E+01	8.370E+01	8.369E+01	8.368E+01	8.362E+01	8.347E+01 8.295E+01
Th-230	U-234	1.000E+00	0.000E+00	3.835E-04	2.300E-03	4.597E-03	1.148E-02	3.805E-02	1.124E-01
Th-230	U-238	9.999E-01	0.000E+00	6.882E-10	2.459E-08	9.822E-08	6.125E-07	6.758E-06	5.962E-05
Th-230	%S(j):		8.370E+01	8.370E+01	8.370E+01	8.370E+01	8.369E+01	8.366E+01	8.359E+01 8.334E+01
Ra-226	Pu-238	1.000E+00	0.000E+00	2.780E-11	5.797E-09	4.569E-08	6.869E-07	2.214E-05	4.225E-04
Ra-226	Pu-242	9.999E-01	0.000E+00	3.624E-25	2.210E-23	3.742E-22	1.452E-20	1.775E-18	1.396E-16

1.557E-14  
 Ra-226 Ra-226 1.000E+00 3.850E+00 3.848E+00 3.840E+00 3.830E+00 3.800E+00 3.687E+00 3.380E+00 2.495E+00  
 Ra-226 Th-230 1.000E+00 0.000E+00 3.625E-02 2.173E-01 4.340E-01 1.081E+00 3.547E+00 1.019E+01 2.928E+01  
 Ra-226 U-234 1.000E+00 0.000E+00 8.374E-08 2.990E-06 1.194E-05 7.432E-05 8.145E-04 7.050E-03  
 6.850E-02  
 Ra-226 U-238 9.999E-01 0.000E+00 1.013E-13 2.134E-11 1.702E-10 2.647E-09 9.679E-08 2.519E-06  
 8.224E-05  
 Ra-226 %S(j): 3.850E+00 3.885E+00 4.057E+00 4.264E+00 4.881E+00 7.234E+00 1.357E+01 3.185E+01  
 0Pu-240 Pu-240 1.000E+00 2.380E+03 2.380E+03 2.378E+03 2.377E+03 2.372E+03 2.355E+03 2.305E+03 2.139E+03  
 0Pu-241 Pu-241 2.450E-05 9.359E-02 8.919E-02 7.012E-02 5.253E-02 2.208E-02 7.599E-04 5.009E-08  
 1.165E-22  
 0Pu-242 Pu-242 5.500E-06 1.386E-06 1.386E-06 1.386E-06 1.386E-06 1.386E-06 1.386E-06 1.385E-06  
 1.383E-06  
 Pu-242 Pu-242 5.400E-05 1.361E-05 1.361E-05 1.361E-05 1.361E-05 1.361E-05 1.360E-05 1.360E-05  
 1.358E-05  
 Pu-242 %S(j): 1.499E-05 1.499E-05 1.499E-05 1.499E-05 1.499E-05 1.499E-05 1.498E-05  
 1.496E-05  
 0U-238 Pu-242 5.400E-05 0.000E+00 2.111E-15 1.266E-14 2.531E-14 6.319E-14 2.096E-13 6.196E-13  
 1.963E-12  
 U-238 Pu-242 9.999E-01 0.000E+00 3.909E-11 2.344E-10 4.687E-10 1.170E-09 3.881E-09 1.147E-08  
 3.636E-08  
 U-238 U-238 5.400E-05 2.889E-03 2.889E-03 2.886E-03 2.884E-03 2.877E-03 2.848E-03 2.766E-03  
 2.500E-03  
 U-238 %S(j): 2.889E-03 2.889E-03 2.886E-03 2.884E-03 2.877E-03 2.848E-03 2.766E-03  
 2.500E-03  
 0Pu-242 Pu-242 9.999E-01 2.520E-01 2.520E-01 2.520E-01 2.520E-01 2.520E-01 2.519E-01 2.518E-01  
 2.514E-01  
 0Ru-106 Ru-106 1.000E+00 7.770E-09 3.885E-09 1.213E-10 1.885E-12 6.899E-18 5.241E-39 0.000E+00 0.000E+00



0Sb-125	Sb-125	7.720E-01	4.169E-04	3.223E-04	8.904E-05	1.901E-05	1.842E-07	2.740E-15	1.179E-37	0.000E+00
0Sb-125	Sb-125	2.280E-01	1.231E-04	9.519E-05	2.630E-05	5.613E-06	5.441E-08	8.093E-16	3.482E-38	0.000E+00
0Sb-125	%S(j):		5.400E-04	4.175E-04	1.153E-04	2.462E-05	2.386E-07	3.550E-15	1.527E-37	0.000E+00
0Te-125m	Sb-125	2.280E-01	0.000E+00	9.926E-05	2.790E-05	5.955E-06	5.771E-08	8.585E-16	3.694E-38	0.000E+00
0Sm-151	Sm-151	1.000E+00	2.110E-02	2.094E-02	2.015E-02	1.924E-02	1.674E-02	9.761E-03	2.089E-03	9.466E-06

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:32 Page 103  
Parent Dose Report  
Title : RCTP - Without Cap - Hydro Modeling  
File : RCTP - NO CAP - HYDRO.ROF

Individual Nuclide Soil Concentration  
Parent Nuclide and Thread Fraction Indicated

0Nuclide	Parent	THF(i)	S(j,t), pCi/g								
(j)	(i)		t=	0.000E+00	1.000E+00	6.000E+00	1.200E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
00000000	00000000	000000000		000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000
000000000	000000000	0000000000		0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
0Sn-121m	Sn-121m	1.000E+00		5.020E-01	4.957E-01	4.654E-01	4.315E-01	3.439E-01	1.422E-01	1.142E-02	1.675E-06
0Sn-126	Sn-126	1.000E+00		1.220E-01	1.220E-01	1.220E-01	1.220E-01	1.219E-01	1.218E-01	1.215E-01	1.202E-01
0Sr-90	Sr-90	1.000E+00		4.300E+02	4.199E+02	3.728E+02	3.231E+02	2.105E+02	3.976E+01	3.400E-01	1.966E-08
0U-238	U-238	9.999E-01		5.350E+01	5.349E+01	5.345E+01	5.340E+01	5.327E+01	5.273E+01	5.123E+01	4.630E+01

THF(i) is the thread fraction of the parent nuclide.

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days

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Parent Dose Report

Title : RCTP - Without Cap - Hydro Modeling

File : RCTP - NO CAP - HYDRO.ROF

#### Run Time Information

Res0Calc.EXE execution began at 15:32 on 09/19/2012

Res0Calc.EXE execution ended at 15:33 on 09/19/2012

Res0Calc.EXE execution time 42.233 seconds