

Dose Conversion Factor (and Related) Parameter Summary

Current Library: FGR 12

Default Library: FGR 12

Menu	Parameter	Current Value	Default	Parameter Name
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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 3

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 4

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
~~~~~								
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
---	---	--	---	---------	---	--	---	-----------

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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 5

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	≈	fffff	≈	fffff	≈	fffff	≈	fffff
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)

DCSF ≥	≥	≥	≥
DCSF ≥ Dose conversion factors for ingestion, mrem/pCi:			
DCSF ≥ Ac-227+D	≥ 1.038E-02	≥ 1.038E-02	≥ DCF3(1)
DCSF ≥ Al-26	≥ 4.070E-05	≥ 4.070E-05	≥ DCF3(2)
DCSF ≥ Am-241	≥ 9.990E-04	≥ 9.990E-04	≥ DCF3(3)
DCSF ≥ Am-243+D	≥ 1.010E-03	≥ 1.010E-03	≥ DCF3(4)
DCSF ≥ Cf-249	≥ 2.368E-03	≥ 2.368E-03	≥ DCF3(5)
DCSF ≥ Cf-251	≥ 2.405E-03	≥ 2.405E-03	≥ DCF3(8)
DCSF ≥ Cf-252	≥ 1.184E-03	≥ 1.184E-03	≥ DCF3(9)
DCSF ≥ Cl-36	≥ 1.184E-05	≥ 1.184E-05	≥ DCF3(14)
DCSF ≥ Cm-245	≥ 1.036E-03	≥ 1.036E-03	≥ DCF3(15)
DCSF ≥ Cm-247+D	≥ 9.631E-04	≥ 9.631E-04	≥ DCF3(17)
DCSF ≥ Cm-248	≥ 3.700E-03	≥ 3.700E-03	≥ DCF3(18)
DCSF ≥ Co-60	≥ 6.290E-05	≥ 6.290E-05	≥ DCF3(22)
DCSF ≥ Cs-134	≥ 4.810E-05	≥ 4.810E-05	≥ DCF3(23)
DCSF ≥ Cs-137+D	≥ 3.552E-05	≥ 3.552E-05	≥ DCF3(24)
DCSF ≥ Eu-154	≥ 2.405E-05	≥ 2.405E-05	≥ DCF3(25)
DCSF ≥ Eu-155	≥ 4.070E-06	≥ 4.070E-06	≥ DCF3(26)
DCSF ≥ H-3	≥ 2.701E-07	≥ 2.701E-07	≥ DCF3(27)
DCSF ≥ Ho-166m	≥ 1.961E-05	≥ 1.961E-05	≥ DCF3(28)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 6

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
~~~~~								
DCSF	≥	Na-22	≥	3.108E-05	≥	3.108E-05	≥	DCF3(29)
DCSF	≥	Np-237+D	≥	5.298E-04	≥	5.298E-04	≥	DCF3(30)

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

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 7

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	~	fffff	~	fffff	~	fffff	~	fffff
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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 8

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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~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)

```

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	≥			≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 9

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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~	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff	fffff
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 ≥ ≥ ≥
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 10
 Parent Dose Report
 Title : RCTP - Cap - Hydro Modeling
 File : RCTP - 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~	fffff	fffff	fffff	fffff	fffff
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	≥ RTF(46,1)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless				≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,2)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless				≥ 1.000E-03	≥ 1.000E-03	≥ RTF(46,3)
TF	≥ Pu-244+D , plant/soil concentration ratio, dimensionless				≥ 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	≥ RTF(48,1)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless				≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,2)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless				≥ 4.000E-02	≥ 4.000E-02	≥ RTF(48,3)
TF	≥ Ra-226+D , plant/soil concentration ratio, dimensionless				≥ 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	≥ RTF(49,1)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless				≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,2)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless				≥ 4.000E-02	≥ 4.000E-02	≥ RTF(49,3)
TF	≥ Ra-228+D , plant/soil concentration ratio, dimensionless				≥ 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	≥ RTF(50,1)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless				≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,2)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless				≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,3)
TF	≥ Ru-106+D , plant/soil concentration ratio, dimensionless				≥ 3.000E-02	≥ 3.000E-02	≥ RTF(50,4)
TF	≥				≥	≥	≥
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless				≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,1)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless				≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,2)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless				≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,3)
TF	≥ Sb-125 , plant/soil concentration ratio, dimensionless				≥ 1.000E-02	≥ 1.000E-02	≥ RTF(51,4)
TF	≥				≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 11

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	~	fffff	fffff	~	fffff	~	fffff	~	fffff
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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 12

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
~~~~~								~~~~~
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	≥			≥		≥		≥	

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42      Page 13

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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~	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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 14

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 15

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
fffff	~	fffff	~	fffff	~	fffff
TF	≥ Ra-228+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	≥ 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	≥	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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 16

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
~~~~~								
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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 17

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	~	ff	~	fffffffffffff	~	fffffffffffff	~	fffffffffffff
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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 18

Parent Dose Report
Title : RCTP - Cap - Hydro Modeling
File : RCTP - 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~ff~ffffffffffff~ffffffffffff~ffffffffffff								

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	≥		≥	≥	≥

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 19

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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~	fffff	fffff	fffff	fffff	fffff	fffff	fffff
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)		

[illegible]

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 20
Parent Dose Report
Title : RCTP - Cap - Hydro Modeling
File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary

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

fffff~ff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff
 fffff

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)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 21

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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					
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)

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 22

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	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	≥ 5.894E-07	≥ 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	≥ 5.894E-07	≥ 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	≥ 3.650E-08	≥ ALEACH(3)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(3)

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 23

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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	fffff	fffff	fffff	fffff	fffff
DCLR	≥ Distribution coefficients for Cf-249	≥	≥	≥	≥	
DCLR	≥ Contaminated zone (cm**3/g)	≥ 1.300E+02	≥ 1.380E+03	≥	---	≥ DCNUCC(5)
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	≥	---	≥ DCNUCS(5)
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	≥ 5.894E-07	≥	≥ ALEACH(5)

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	≥ 5.894E-07	≥ 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	≥ 5.894E-07	≥ ALEACH(9)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(9)	

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days
Parent Dose Report
Title : RCTP - Cap - Hydro Modeling
File : RCTP - 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						
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 ≥ 2.005E-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	≥ 1.570E-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 ≥ 5.097E-06 ≥ ALEACH(23)
DCLR ≥ Solubility constant	≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(23)
1RESRAD-OFFSITE, Version 2.6	09/19/2012 15:42 Page 25
T' Limit = 30 days	
Parent Dose Report	
Title : RCTP - Cap - Hydro Modeling	
File : RCTP - CAP - HYDRO.ROF	

Site-Specific Parameter Summary (continued)

0 ≥	≥ User	≥ RESRAD	≥
Parameter			
Menu ≥	Parameter	≥ Input	≥ Default ≥ computed ≥ Name
fffff~ff~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 ≥ 5.097E-06	≥ 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	≥ 1.532E-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	≥ 1.532E-06	≥ ALEACH(26)	
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(26)	

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 26

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

Parameter	Menu	Parameter	Input	Default	computed	Name
DCLR ≥ Distribution coefficients for H-3			≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCC(27)
DCLR ≥ Contaminated zone (cm**3/g)			≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 1 (cm**3/g)						
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	≥ ---	≥ DCNUCS(27)
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	≥ 2.005E-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	≥ 3.065E-07	≥ 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	≥ 7.635E-06	≥ ALEACH(29)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(29)

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 27

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

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

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	≥ 1.017E-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	≥ 3.061E-06	≥	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 ≥ 1.532E-06 ≥ ALEACH(33)
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(33)
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 28
 Parent Dose Report
 Title : RCTP - Cap - Hydro Modeling
 File : RCTP - 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 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	≥ 1.079E-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) DCNUCOF(37,2)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(37,3)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(37,4)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Offsite Dwelling (cm**3/g) DCNUCDWE(37)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00 ≥ 0.000E+00 ≥ 1.079E-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) DCNUCU(38,1)	≥ 4.100E+00 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Unsaturated zone 2 (cm**3/g) DCNUCU(38,2)	≥ 4.100E+00 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Unsaturated zone 3 (cm**3/g) DCNUCU(38,3)	≥ 4.100E+00 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Unsaturated zone 4 (cm**3/g) DCNUCU(38,4)	≥ 0.000E+00 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00 ≥ 2.000E+03 ≥ --- ≥ DCNUCS(38)
DCLR ≥ Sediment in surface water body (cm**3/g) DCNUCSWB(38)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 1 (cm**3/g) DCNUCOF(38,1)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(38,2)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(38,3)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(38,4)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥
DCLR ≥ Offsite Dwelling (cm**3/g)	≥ 7.100E+02 ≥ 2.000E+03 ≥ --- ≥

DCNUCDWE(38)

DCLR ≥ Leach rate (/yr) ≥ 0.000E+00 ≥ 0.000E+00 ≥ 1.079E-07 ≥ ALEACH(38)
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(38)
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 29
 Parent Dose Report
 Title : RCTP - Cap - Hydro Modeling
 File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

0 ≥ Parameter Menu ≥	Parameter	≥ User	≥	≥ RESRAD	≥	Name
fffff~fffff	DCLR ≥ Distribution coefficients for Pu-241	≥	≥	≥	≥	
fffff	DCLR ≥ Contaminated zone (cm**3/g)	≥ 7.100E+02	≥ 2.000E+03	≥ ---	≥	DCNUCC(40)
	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	≥ ---	≥	DCNUCS(40)
	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	≥ 1.079E-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	≥ 1.079E-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	≥ 7.664E-08	≥ ALEACH(48)
DCLR ≥ Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(48)
1RESRAD-OFFSITE, Version 2.6				
Parent Dose Report				
Title : RCTP - Cap - Hydro Modeling				
File : RCTP - CAP - HYDRO.ROF				

T' Limit = 30 days

09/19/2012 15:42 Page 30

Site-Specific Parameter Summary (continued)

0	≥	≥ User	≥	≥ RESRAD	≥
---	---	--------	---	----------	---

Parameter Menu ≥	Parameter	≥	Input	≥	Default	≥	computed	≥	Name
fffff~ff~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	≥	7.664E-08	≥	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) DCNUCU(50,1)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 2 (cm**3/g) DCNUCU(50,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 3 (cm**3/g) DCNUCU(50,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 4 (cm**3/g) DCNUCU(50,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Saturated zone (cm**3/g)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥ DCNUCS(50)
DCLR ≥ Sediment in surface water body (cm**3/g) DCNUCSWB(50)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Agricultural area 1 (cm**3/g) DCNUCOF(50,1)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Agricultural area 2 (cm**3/g) DCNUCOF(50,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Agricultural area 3 (cm**3/g) DCNUCOF(50,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Agricultural area 4 (cm**3/g) DCNUCOF(50,4)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Offsite Dwelling (cm**3/g) DCNUCDWE(50)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Leach rate (/yr)	≥ 0.000E+00	≥ 0.000E+00	≥ 2.005E-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) DCNUCU(51,1)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 2 (cm**3/g) DCNUCU(51,2)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
DCLR ≥ Unsaturated zone 3 (cm**3/g) DCNUCU(51,3)	≥ 0.000E+00	≥ 0.000E+00	≥ ---	≥
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	≥ 2.005E-03	≥ ALEACH(51)	
DCLR ≥	Solubility constant	≥ 0.000E+00	≥ 0.000E+00	≥ not used	≥ SOLUB0(51)	

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 31

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

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

~~~~~

|        |                                      |             |             |       |              |
|--------|--------------------------------------|-------------|-------------|-------|--------------|
| 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 | ≥ 1.532E-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 | ≥ 1.532E-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 ≥ 1.532E-06 ≥ ALEACH(56) |
| DCLR ≥ Solubility constant           | ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(56)  |
| 1RESRAD-OFFSITE, Version 2.6         | 09/19/2012 15:42 Page 32                         |
| T' Limit = 30 days                   |                                                  |
| Parent Dose Report                   |                                                  |
| Title : RCTP - Cap - Hydro Modeling  |                                                  |
| File : RCTP - CAP - HYDRO.ROF        |                                                  |

## Site-Specific Parameter Summary (continued)

|                                                                                                                     |                           |                             |
|---------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|
| 0 ≥                                                                                                                 | ≥ User ≥                  | ≥ RESRAD ≥                  |
| Parameter                                                                                                           |                           |                             |
| Menu ≥                                                                                                              | ≥ Input ≥                 | ≥ Default ≥ computed ≥ Name |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff<br>fffff |                           |                             |
| 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)<br>DCNUCOF(57,2)           | ≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 3 (cm**3/g)<br>DCNUCOF(57,3)           | ≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 4 (cm**3/g)<br>DCNUCOF(57,4)           | ≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥                            |
| DCLR ≥ Offsite Dwelling (cm**3/g)<br>DCNUCDWE(57)               | ≥ 7.000E+01 ≥ 3.000E+01 ≥ --- ≥                            |
| DCLR ≥ Leach rate (/yr)                                         | ≥ 0.000E+00 ≥ 0.000E+00 ≥ 1.094E-06 ≥ ALEACH(57)           |
| DCLR ≥ Solubility constant<br>≥                                 | ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(57)<br>≥ ≥ ≥ ≥ |
| 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)<br>DCNUCU(59,1)             | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Unsaturated zone 2 (cm**3/g)<br>DCNUCU(59,2)             | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Unsaturated zone 3 (cm**3/g)<br>DCNUCU(59,3)             | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Unsaturated zone 4 (cm**3/g)<br>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)<br>DCNUCSWB(59) | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 1 (cm**3/g)<br>DCNUCOF(59,1)           | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 2 (cm**3/g)<br>DCNUCOF(59,2)           | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 3 (cm**3/g)<br>DCNUCOF(59,3)           | ≥ 1.000E+04 ≥ 6.000E+04 ≥ --- ≥                            |
| DCLR ≥ Agricultural area 4 (cm**3/g)<br>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 | ≥ 7.664E-09 | ≥ 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 | ≥ 7.664E-09 | ≥ ALEACH(61) |
| DCLR ≥ Solubility constant                      | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ not used  | ≥ SOLUB0(61) |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 33

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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                                           | 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 | ≥ 7.664E-09 | ≥ 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 | ≥ 2.905E-05 | ≥ 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 | ≥ 2.905E-05 | ≥ ALEACH(64) |
| DCLR ≥ Solubility constant                      | ≥ 0.000E+00              | ≥ 0.000E+00 | ≥ not used  | ≥ SOLUB0(64) |
| 1RESRAD-OFFSITE, Version 2.6                    | T' Limit = 30 days       |             |             |              |
| Parent Dose Report                              | 09/19/2012 15:42 Page 34 |             |             |              |
| Title : RCTP - Cap - Hydro Modeling             |                          |             |             |              |
| File : RCTP - CAP - HYDRO.ROF                   |                          |             |             |              |

Site-Specific Parameter Summary (continued)

|                                            |             |             |           |                   |
|--------------------------------------------|-------------|-------------|-----------|-------------------|
| 0 ≥                                        | ≥ User      | ≥           | ≥ RESRAD  | ≥                 |
| Parameter                                  |             |             |           |                   |
| Menu ≥                                     | Parameter   | ≥ Input     | ≥ Default | ≥ computed ≥ Name |
| ~~~~~                                      |             |             |           |                   |
| 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 | ≥ 2.905E-05 | ≥ 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 | ≥ 2.905E-05 | ≥ 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 ≥ 2.905E-05 ≥ ALEACH(67)  
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(67)  
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 35  
 Parent Dose Report  
 Title : RCTP - Cap - Hydro Modeling  
 File : RCTP - 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 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 | ≥ 3.650E-08 | ≥ 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 ≥ 1.532E-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 ≥ 1.532E-06 ≥ ALEACH(16) |
| DCLR ≥ Solubility constant                          | ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(16)  |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 36



## Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 | ≥ 1.532E-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 | ≥ 1.532E-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 | ≥ ---       | ≥            |

|               |                                          |             |             |             |              |
|---------------|------------------------------------------|-------------|-------------|-------------|--------------|
| DCNUCU(19,1)  |                                          |             |             |             |              |
| DCLR ≥        | Unsaturated zone 2 (cm**3/g)             | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCU(19,2)  |                                          |             |             |             |              |
| DCLR ≥        | Unsaturated zone 3 (cm**3/g)             | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCU(19,3)  |                                          |             |             |             |              |
| DCLR ≥        | Unsaturated zone 4 (cm**3/g)             | ≥ 0.000E+00 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCU(19,4)  |                                          |             |             |             |              |
| DCLR ≥        | Saturated zone (cm**3/g)                 | ≥ 0.000E+00 | ≥ 1.380E+03 | ≥ ---       | ≥ DCNUCS(19) |
| DCLR ≥        | Sediment in surface water body (cm**3/g) | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCSWB(19)  |                                          |             |             |             |              |
| DCLR ≥        | Agricultural area 1 (cm**3/g)            | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCOF(19,1) |                                          |             |             |             |              |
| DCLR ≥        | Agricultural area 2 (cm**3/g)            | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCOF(19,2) |                                          |             |             |             |              |
| DCLR ≥        | Agricultural area 3 (cm**3/g)            | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCOF(19,3) |                                          |             |             |             |              |
| DCLR ≥        | Agricultural area 4 (cm**3/g)            | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCOF(19,4) |                                          |             |             |             |              |
| DCLR ≥        | Offsite Dwelling (cm**3/g)               | ≥ 5.000E+01 | ≥ 1.380E+03 | ≥ ---       | ≥            |
| DCNUCDWE(19)  |                                          |             |             |             |              |
| DCLR ≥        | Leach rate (/yr)                         | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ 1.532E-06 | ≥ ALEACH(19) |
| DCLR ≥        | Solubility constant                      | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ not used  | ≥ SOLUB0(19) |

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

09/19/2012 15:42 Page 37

Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

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

fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff

fffff

|                                                     |             |             |             |              |
|-----------------------------------------------------|-------------|-------------|-------------|--------------|
| 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 | ≥ 1.532E-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 | ≥ 1.532E-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)                                        |             |             |             |              |

| Site-Specific Parameter Summary (continued) |                                              |             |             |          |   |            |
|---------------------------------------------|----------------------------------------------|-------------|-------------|----------|---|------------|
| Parameter                                   |                                              | User        |             | RESRAD   |   |            |
| Menu                                        | Parameter                                    | Input       | Default     | computed |   | Name       |
| <i>~~~~~</i>                                |                                              |             |             |          |   |            |
| DCLR                                        | Distribution coefficients for progeny Po-210 |             |             |          |   |            |
| DCLR                                        | Contaminated zone (cm**3/g)                  | ≥ 1.000E+01 | ≥ 1.000E+01 | ---      | ≥ | DCNUCC(34) |
| DCLR                                        | Unsaturated zone 1 (cm**3/g)                 | ≥ 1.000E+01 | ≥ 1.000E+01 | ---      | ≥ |            |
| DCNUCU(34,1)                                |                                              |             |             |          |   |            |
| DCLR                                        | Unsaturated zone 2 (cm**3/g)                 | ≥ 1.000E+01 | ≥ 1.000E+01 | ---      | ≥ |            |
| DCNUCU(34,2)                                |                                              |             |             |          |   |            |
| DCLR                                        | Unsaturated zone 3 (cm**3/g)                 | ≥ 1.000E+01 | ≥ 1.000E+01 | ---      | ≥ |            |
| DCNUCU(34,3)                                |                                              |             |             |          |   |            |
| DCLR                                        | Unsaturated zone 4 (cm**3/g)                 | ≥ 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 | ≥ 7.635E-06 | ≥ 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 | ≥ 1.079E-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 ≥ 1.079E-07 ≥ ALEACH(46)  
 DCLR ≥ Solubility constant ≥ 0.000E+00 ≥ 0.000E+00 ≥ not used ≥ SOLUB0(46)  
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 39  
 Parent Dose Report  
 Title : RCTP - Cap - Hydro Modeling  
 File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

| 0 ≥                                                                                                                                 | ≥ User      | ≥           | ≥ RESRAD | ≥            |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|----------|--------------|
| Parameter                                                                                                                           | Input       | Default     | computed | Name         |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff<br>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 | ≥ 1.079E-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 | ≥ 1.532E-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 | ≥ 2.005E-03 | ≥ ALEACH(58) |
| DCLR ≥ Solubility constant                           | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ not used  | ≥ SOLUB0(58) |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42 Page 40

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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~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   | ≥           | 7.664E-09   | ≥           | 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<br>SOURCEXY(2) | ≥ 1.200E+02 ≥ 1.000E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller X coordinate of Agricultural Area 1<br>AGRIX(1,1)     | ≥ -1.704E+02 ≥ 3.438E+01 ≥ | --- | ≥ |
| LYOT ≥ Larger X coordinate of Agricultural Area 1<br>AGRIX(2,1)      | ≥ -1.392E+02 ≥ 6.563E+01 ≥ | --- | ≥ |
| LYOT ≥ Smaller Y coordinate of Agricultural Area 1<br>AGRIX(3,1)     | ≥ 1.461E+03 ≥ 2.340E+02 ≥  | --- | ≥ |
| LYOT ≥ Larger Y coordinate of Agricultural Area 1<br>AGRIX(4,1)      | ≥ 1.493E+03 ≥ 2.660E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller X coordinate of Agricultural Area 2<br>AGRIX(1,2)     | ≥ -1.387E+02 ≥ 3.438E+01 ≥ | --- | ≥ |
| LYOT ≥ Larger X coordinate of Agricultural Area 2<br>AGRIX(2,2)      | ≥ -1.075E+02 ≥ 6.563E+01 ≥ | --- | ≥ |
| LYOT ≥ Smaller Y coordinate of Agricultural Area 2<br>AGRIX(3,2)     | ≥ 1.465E+03 ≥ 2.680E+02 ≥  | --- | ≥ |
| LYOT ≥ Larger Y coordinate of Agricultural Area 2<br>AGRIX(4,2)      | ≥ 1.497E+03 ≥ 3.000E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller X coordinate of Agricultural Area 3<br>AGRIX(1,3)     | ≥ 1.762E+03 ≥ 0.000E+00 ≥  | --- | ≥ |
| LYOT ≥ Larger X coordinate of Agricultural Area 3<br>AGRIX(2,3)      | ≥ 1.862E+03 ≥ 1.000E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller Y coordinate of Agricultural Area 3<br>AGRIX(3,3)     | ≥ 1.430E+03 ≥ 4.500E+02 ≥  | --- | ≥ |
| LYOT ≥ Larger Y coordinate of Agricultural Area 3<br>AGRIX(4,3)      | ≥ 1.530E+03 ≥ 5.500E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller X coordinate of Agricultural Area 4<br>AGRIX(1,4)     | ≥ 1.782E+03 ≥ 0.000E+00 ≥  | --- | ≥ |
| LYOT ≥ Larger X coordinate of Agricultural Area 4<br>AGRIX(2,4)      | ≥ 1.882E+03 ≥ 1.000E+02 ≥  | --- | ≥ |
| LYOT ≥ Smaller Y coordinate of Agricultural Area 4<br>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)  |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 41

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## 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                       | ≥ 9.980E-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)                                 | ≥ 3.000E+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 |
|-------------------------------------------------------|------------|-------------|-------|----------|

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 42

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

| 0                                                                                                                   | ≥         | ≥ User      | ≥           | ≥ RESRAD   | ≥            |
|---------------------------------------------------------------------------------------------------------------------|-----------|-------------|-------------|------------|--------------|
| Parameter                                                                                                           |           |             |             |            |              |
| Menu ≥                                                                                                              | Parameter | ≥ Input     | ≥ Default   | ≥ computed | ≥ Name       |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff<br>fffff |           |             |             |            |              |
| AGRI ≥ Areal 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)

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

fffff

|                                                             |             |             |   |     |   |            |
|-------------------------------------------------------------|-------------|-------------|---|-----|---|------------|
| 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<br>Menu ≥                                                                                                   | Parameter | ≥ User      | ≥ Default   | ≥ RESRAD | ≥ Name |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~fffffffffff~ffffffffffff~ffffffffffff~ffffffffffff |           |             |             |          |        |
| AIRT ≥ Joint Frequency in N Sector                                                                                    |           | ≥           | ≥           | ≥        | ≥      |
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,1)                                                   |           | ≥ 1.190E-03 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,1)                                                   |           | ≥ 1.290E-03 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,1)                                                   |           | ≥ 5.400E-03 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,1)                                                   |           | ≥ 2.157E-02 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,1)                                                   |           | ≥ 7.290E-03 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 2 and stability class F<br>DFREQ(2,6,1)                                                   |           | ≥ 1.560E-03 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| ≥                                                                                                                     |           | ≥           | ≥           | ≥        | ≥      |
| AIRT ≥ Joint Frequency in N Sector                                                                                    |           | ≥           | ≥           | ≥        | ≥      |
| AIRT ≥ for wind speed class 3 and stability class A<br>DFREQ(3,1,1)                                                   |           | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ ---    | ≥      |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,1)                                                   |           | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ ---    | ≥      |

|                                                                     |                           |     |   |
|---------------------------------------------------------------------|---------------------------|-----|---|
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,1) | ≥ 1.200E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,1) | ≥ 3.140E-02 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,1) | ≥ 1.800E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,1) | ≥ 2.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,1) | ≥ 8.450E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,1) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>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)                                        |                    |             |       |      |    |
| 1RESRAD-OFFSITE, Version 2.6                        | T' Limit = 30 days | 09/19/2012  | 15:42 | Page | 45 |
| Parent Dose Report                                  |                    |             |       |      |    |

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

| 0                                                                                                                   | ≥ | ≥                                            | User | ≥         | ≥ | RESRAD    | ≥          |     |      |
|---------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------|------|-----------|---|-----------|------------|-----|------|
| Parameter                                                                                                           |   |                                              |      |           |   |           |            |     |      |
| Menu                                                                                                                | ≥ | Parameter                                    | ≥    | Input     | ≥ | Default   | ≥ computed | ≥   | Name |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff<br>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<br>DFREQ(3,5,2) | ≥ 3.590E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,2) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,2) | ≥ 1.041E-02 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,2) | ≥ 1.480E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,2) | ≥ 8.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,2) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,3) | ≥ 5.400E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,3) | ≥ 1.000E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,3) | ≥ 2.500E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,3) | ≥ 3.890E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,3) | ≥ 1.730E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,3) | ≥ 6.140E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 46

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

| 0            | ≥ | ≥                                            | User | ≥         | ≥ | RESRAD    | ≥ |          |   |      |
|--------------|---|----------------------------------------------|------|-----------|---|-----------|---|----------|---|------|
| Parameter    |   |                                              |      |           |   |           |   |          |   |      |
| Menu         | ≥ | Parameter                                    | ≥    | Input     | ≥ | Default   | ≥ | computed | ≥ | Name |
| ~~~~~        |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | Joint Frequency in NE Sector                 | ≥    |           | ≥ |           | ≥ |          | ≥ |      |
| AIRT         | ≥ | for wind speed class 2 and stability class A | ≥    | 2.900E-04 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,1,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 2 and stability class B | ≥    | 3.300E-04 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,2,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 2 and stability class C | ≥    | 1.070E-03 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,3,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 2 and stability class D | ≥    | 1.046E-02 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,4,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 2 and stability class E | ≥    | 1.060E-02 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,5,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 2 and stability class F | ≥    | 1.477E-02 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(2,6,3) |   |                                              |      |           |   |           |   |          |   |      |
|              | ≥ |                                              | ≥    |           | ≥ |           | ≥ |          | ≥ |      |
| AIRT         | ≥ | Joint Frequency in NE Sector                 | ≥    |           | ≥ |           | ≥ |          | ≥ |      |
| AIRT         | ≥ | for wind speed class 3 and stability class A | ≥    | 1.000E-05 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,1,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 3 and stability class B | ≥    | 2.000E-05 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,2,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 3 and stability class C | ≥    | 3.700E-04 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,3,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 3 and stability class D | ≥    | 1.610E-02 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,4,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 3 and stability class E | ≥    | 9.520E-03 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,5,3) |   |                                              |      |           |   |           |   |          |   |      |
| AIRT         | ≥ | for wind speed class 3 and stability class F | ≥    | 1.570E-03 | ≥ | 0.000E+00 | ≥ | ---      | ≥ |      |
| DFREQ(3,6,3) |   |                                              |      |           |   |           |   |          |   |      |

|                                                                     |             |             |       |   |
|---------------------------------------------------------------------|-------------|-------------|-------|---|
| ≥                                                                   | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ Joint Frequency in NE Sector                                 | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ for wind speed class 4 and stability class A<br>DFREQ(4,1,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,3) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,3) | ≥ 1.176E-02 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,3) | ≥ 2.460E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,3) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>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) |                                                     |             |             |       |   |

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 47

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 ENE Sector                                | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,4) | ≥ 1.600E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,4) | ≥ 2.300E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,4) | ≥ 7.900E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,4) | ≥ 8.440E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,4) | ≥ 4.530E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class F<br>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<br>DFREQ(3,1,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,4) | ≥ 2.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,4) | ≥ 3.100E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,4) | ≥ 1.256E-02 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,4) | ≥ 4.630E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |

|                                                                     |             |             |       |   |
|---------------------------------------------------------------------|-------------|-------------|-------|---|
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,4) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,4) | ≥ 1.388E-02 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,4) | ≥ 3.630E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,4) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>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) |                                              |             |             |       |   |

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:42 Page 48  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

|           |                                              |             |             |       |       |         |       |          |       |
|-----------|----------------------------------------------|-------------|-------------|-------|-------|---------|-------|----------|-------|
| 0         | ≥                                            |             | ≥           | User  | ≥     |         | ≥     | RESRAD   | ≥     |
| Parameter |                                              |             |             |       |       |         |       |          |       |
| Menu      | ≥                                            | Parameter   | ≥           | Input | ≥     | Default | ≥     | computed | ≥     |
| fffff~    | fffff                                        | fffff       | fffff       | fffff | fffff | fffff   | fffff | fffff    | fffff |
| 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<br>DFREQ(4,4,5) | ≥ 1.553E-02 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,5) | ≥ 4.250E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,5) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,5) | ≥ 7.500E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>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 ≥ | --- | ≥ |

1RESRAD-OFFSITE, Version 2.6                      T Limit = 30 days                      09/19/2012 15:42    Page 49  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

| 0         | ≥ |           | ≥ | User  | ≥ |         | ≥ | RESRAD   | ≥ |
|-----------|---|-----------|---|-------|---|---------|---|----------|---|
| Parameter |   |           |   |       |   |         |   |          |   |
| Menu      | ≥ | Parameter | ≥ | Input | ≥ | Default | ≥ | computed | ≥ |

Page 107 of 242

|              |                                              |             |             |       |   |
|--------------|----------------------------------------------|-------------|-------------|-------|---|
| 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<br>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<br>DFREQ(5,1,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,6) | ≥ 4.700E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,6) | ≥ 1.510E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,6) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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) |                                                     |             |             |       |   |

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:42    Page 50  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

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<br>DFREQ(5,1,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,7) | ≥ 2.050E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,7) | ≥ 6.000E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,7) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,8) | ≥ 5.200E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>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)  
 1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 51  
 Parent Dose Report  
 Title : RCTP - Cap - Hydro Modeling  
 File : RCTP - 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        |       |                                              |       |           |       |           |            |
| 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<br>DFREQ(3,1,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,8) | ≥ 2.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,8) | ≥ 2.200E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,8) | ≥ 4.810E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,8) | ≥ 1.500E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,8) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,8) | ≥ 1.320E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |

|                                                                     |             |             |       |   |
|---------------------------------------------------------------------|-------------|-------------|-------|---|
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,8) | ≥ 2.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,8) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,9) | ≥ 8.400E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,9) | ≥ 2.800E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,9) | ≥ 2.100E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>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 | ≥ --- | ≥ |

DFREQ(1,5,9)

AIRT ≥ for wind speed class 1 and stability class F ≥ 6.750E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(1,6,9)

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 52

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 S Sector ≥ ≥ ≥ ≥

AIRT ≥ for wind speed class 2 and stability class A ≥ 2.800E-04 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,1,9)

AIRT ≥ for wind speed class 2 and stability class B ≥ 2.400E-04 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,2,9)

AIRT ≥ for wind speed class 2 and stability class C ≥ 5.600E-04 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,3,9)

AIRT ≥ for wind speed class 2 and stability class D ≥ 7.070E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,4,9)

AIRT ≥ for wind speed class 2 and stability class E ≥ 4.300E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,5,9)

AIRT ≥ for wind speed class 2 and stability class F ≥ 8.060E-03 ≥ 0.000E+00 ≥ --- ≥

DFREQ(2,6,9)

≥ ≥ ≥ ≥

AIRT ≥ Joint Frequency in S Sector ≥ ≥ ≥ ≥

AIRT ≥ for wind speed class 3 and stability class A ≥ 1.000E-05 ≥ 0.000E+00 ≥ --- ≥

DFREQ(3,1,9)

AIRT ≥ for wind speed class 3 and stability class B ≥ 1.000E-05 ≥ 0.000E+00 ≥ --- ≥

|              |                                              |             |             |       |   |
|--------------|----------------------------------------------|-------------|-------------|-------|---|
| 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<br>DFREQ(5,5,9)  | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,9)  | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,9)  | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,9)  | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,9)  | ≥ 1.000E-05 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,9)  | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,10) | ≥ 1.280E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,10) | ≥ 3.600E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,10) | ≥ 6.800E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,10) | ≥ 4.340E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,10) | ≥ 1.400E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,10) | ≥ 4.370E-03 ≥ 0.000E+00 ≥ --- ≥ |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 53

## Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 | fffff |
| 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<br>DFREQ(6,1,10) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,10) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,10) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,10) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,10) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,11) | ≥ 1.910E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,11) | ≥ 5.800E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,11) | ≥ 7.500E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,11) | ≥ 4.290E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,11) | ≥ 9.900E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,11) | ≥ 2.530E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |

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

09/19/2012 15:42 Page 54

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## 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<br>DFREQ(6,2,11) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,11) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,11) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,11) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,12) | ≥ 3.250E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,12) | ≥ 1.040E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,12) | ≥ 1.620E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,12) | ≥ 4.740E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,12) | ≥ 8.200E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,12) | ≥ 1.630E-03 ≥ 0.000E+00 ≥ --- ≥ |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 55

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

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

fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~  
fffff

|                                                                      |             |             |       |   |
|----------------------------------------------------------------------|-------------|-------------|-------|---|
| AIRT ≥ Joint Frequency in WSW Sector                                 | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,12) | ≥ 1.130E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,12) | ≥ 1.430E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,12) | ≥ 3.870E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,12) | ≥ 7.670E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,12) | ≥ 8.200E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class F<br>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<br>DFREQ(3,1,12) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,12) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,12) | ≥ 4.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,12) | ≥ 1.320E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,12) | ≥ 7.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(6,4,12) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,12) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,13) | ≥ 3.520E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,13) | ≥ 1.240E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,13) | ≥ 1.970E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,13) | ≥ 6.080E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,13) | ≥ 9.000E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,13) | ≥ 1.430E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 56

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

|           |   |                             |      |       |   |         |                   |
|-----------|---|-----------------------------|------|-------|---|---------|-------------------|
| 0         | ≥ | ≥                           | User | ≥     | ≥ | RESRAD  | ≥                 |
| Parameter |   |                             |      |       |   |         |                   |
| Menu      | ≥ | Parameter                   | ≥    | Input | ≥ | Default | ≥ computed ≥ Name |
| ~~~~~     |   |                             |      |       |   |         |                   |
| ~~~~~     |   |                             |      |       |   |         |                   |
| AIRT      | ≥ | Joint Frequency in W Sector | ≥    | ≥     | ≥ | ≥       | ≥                 |

|                                                                      |                           |     |   |
|----------------------------------------------------------------------|---------------------------|-----|---|
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,13) | ≥ 1.450E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,13) | ≥ 1.680E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,13) | ≥ 4.500E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,13) | ≥ 7.840E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,13) | ≥ 6.000E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class F<br>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<br>DFREQ(3,1,13) | ≥ 1.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,13) | ≥ 1.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,13) | ≥ 3.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,13) | ≥ 6.300E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,13) | ≥ 1.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,13) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>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<br>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<br>DFREQ(1,1,14) | ≥ 2.690E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,14) | ≥ 9.500E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,14) | ≥ 1.290E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,14) | ≥ 4.270E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,14) | ≥ 6.600E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,14) | ≥ 1.330E-03 ≥ 0.000E+00 ≥ --- ≥ |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 57

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

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

fffff~ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~  
fffff

|                                                                      |                                 |
|----------------------------------------------------------------------|---------------------------------|
| AIRT ≥ Joint Frequency in WNW Sector                                 | ≥ ≥ ≥ ≥                         |
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,14) | ≥ 1.620E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,14) | ≥ 1.970E-03 ≥ 0.000E+00 ≥ --- ≥ |

|                                                                      |                           |     |   |
|----------------------------------------------------------------------|---------------------------|-----|---|
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,14) | ≥ 5.130E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,14) | ≥ 8.220E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,14) | ≥ 8.100E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class F<br>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<br>DFREQ(3,1,14) | ≥ 1.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,14) | ≥ 1.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,14) | ≥ 9.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,14) | ≥ 9.000E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,14) | ≥ 6.000E-05 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,14) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,14) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,14) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>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                 | ≥           | ≥           | ≥ |     | ≥ |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42    Page 58  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

| 0         | ≥ | ≥         | User | ≥     | ≥ | RESRAD  | ≥            |
|-----------|---|-----------|------|-------|---|---------|--------------|
| Parameter |   |           |      |       |   |         |              |
| Menu      | ≥ | Parameter | ≥    | Input | ≥ | Default | ≥ computed ≥ |

|                                                                           |                         |                         |        |        |
|---------------------------------------------------------------------------|-------------------------|-------------------------|--------|--------|
| AIRT $\geq$ Joint Frequency in NW Sector                                  | $\geq$                  | $\geq$                  | $\geq$ | $\geq$ |
| AIRT $\geq$ for wind speed class 2 and stability class A<br>DFREQ(2,1,15) | $\geq 1.630\text{E-}03$ | $\geq 0.000\text{E+}00$ | $\geq$ | ---    |
| AIRT $\geq$ for wind speed class 2 and stability class B<br>DFREQ(2,2,15) | $\geq 2.360\text{E-}03$ | $\geq 0.000\text{E+}00$ | $\geq$ | ---    |
| AIRT $\geq$ for wind speed class 2 and stability class C<br>DFREQ(2,3,15) | $\geq 6.430\text{E-}03$ | $\geq 0.000\text{E+}00$ | $\geq$ | ---    |
| AIRT $\geq$ for wind speed class 2 and stability class D<br>DFREQ(2,4,15) | $\geq 1.140\text{E-}02$ | $\geq 0.000\text{E+}00$ | $\geq$ | ---    |

|                                                                      |                           |     |   |
|----------------------------------------------------------------------|---------------------------|-----|---|
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,15) | ≥ 1.150E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 2 and stability class F<br>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<br>DFREQ(3,1,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,15) | ≥ 2.500E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,15) | ≥ 3.490E-03 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,15) | ≥ 1.400E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,15) | ≥ 1.200E-04 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,15) | ≥ 0.000E+00 ≥ 0.000E+00 ≥ | --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>DFREQ(5,1,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class B<br>DFREQ(5,2,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class C<br>DFREQ(5,3,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class D<br>DFREQ(5,4,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class E<br>DFREQ(5,5,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 5 and stability class F<br>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<br>DFREQ(6,1,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class B<br>DFREQ(6,2,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class C<br>DFREQ(6,3,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class D<br>DFREQ(6,4,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class E<br>DFREQ(6,5,15) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 6 and stability class F<br>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<br>DFREQ(1,1,16) | ≥ 2.100E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 1 and stability class B<br>DFREQ(1,2,16) | ≥ 6.100E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |

|                                                                      |                                 |
|----------------------------------------------------------------------|---------------------------------|
| AIRT ≥ for wind speed class 1 and stability class C<br>DFREQ(1,3,16) | ≥ 8.800E-04 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class D<br>DFREQ(1,4,16) | ≥ 4.200E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class E<br>DFREQ(1,5,16) | ≥ 1.240E-03 ≥ 0.000E+00 ≥ --- ≥ |
| AIRT ≥ for wind speed class 1 and stability class F<br>DFREQ(1,6,16) | ≥ 1.880E-03 ≥ 0.000E+00 ≥ --- ≥ |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42 Page 59

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

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

| 0 ≥                                                                  | ≥ User ≥                        | ≥ RESRAD ≥ |
|----------------------------------------------------------------------|---------------------------------|------------|
| Parameter                                                            | Input                           | Default    |
| Menu ≥                                                               | Parameter                       | computed ≥ |
| Name                                                                 |                                 |            |
| ~~~~~                                                                |                                 |            |
| AIRT ≥ Joint Frequency in NNW Sector                                 | ≥                               | ≥          |
| AIRT ≥ for wind speed class 2 and stability class A<br>DFREQ(2,1,16) | ≥ 1.640E-03 ≥ 0.000E+00 ≥ --- ≥ |            |
| AIRT ≥ for wind speed class 2 and stability class B<br>DFREQ(2,2,16) | ≥ 2.250E-03 ≥ 0.000E+00 ≥ --- ≥ |            |
| AIRT ≥ for wind speed class 2 and stability class C<br>DFREQ(2,3,16) | ≥ 8.170E-03 ≥ 0.000E+00 ≥ --- ≥ |            |
| AIRT ≥ for wind speed class 2 and stability class D<br>DFREQ(2,4,16) | ≥ 1.822E-02 ≥ 0.000E+00 ≥ --- ≥ |            |
| AIRT ≥ for wind speed class 2 and stability class E<br>DFREQ(2,5,16) | ≥ 2.150E-03 ≥ 0.000E+00 ≥ --- ≥ |            |
| AIRT ≥ for wind speed class 2 and stability class F<br>DFREQ(2,6,16) | ≥ 5.300E-04 ≥ 0.000E+00 ≥ --- ≥ |            |



|                                                                      |             |             |       |   |
|----------------------------------------------------------------------|-------------|-------------|-------|---|
| ≥                                                                    | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ Joint Frequency in NNW Sector                                 | ≥           | ≥           | ≥     | ≥ |
| AIRT ≥ for wind speed class 3 and stability class A<br>DFREQ(3,1,16) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class B<br>DFREQ(3,2,16) | ≥ 1.000E-05 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class C<br>DFREQ(3,3,16) | ≥ 6.600E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class D<br>DFREQ(3,4,16) | ≥ 1.573E-02 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class E<br>DFREQ(3,5,16) | ≥ 3.000E-04 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 3 and stability class F<br>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<br>DFREQ(4,1,16) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class B<br>DFREQ(4,2,16) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class C<br>DFREQ(4,3,16) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class D<br>DFREQ(4,4,16) | ≥ 2.270E-03 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class E<br>DFREQ(4,5,16) | ≥ 0.000E+00 | ≥ 0.000E+00 | ≥ --- | ≥ |
| AIRT ≥ for wind speed class 4 and stability class F<br>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<br>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  | ≥ | --- | ≥ OFFLPAQW  |
| GWTR ≥ Contamination to Well c/c distance normal to flow, m  | ≥ 2.190E+02 | ≥ 0.000E+00  | ≥ | --- | ≥ OFFLNAQW  |
| GWTR ≥ Distance from d/g edge of cz to surface water, (m)    | ≥ 1.623E+03 | ≥ 4.500E+02  | ≥ | --- | ≥ OFFLPAQS  |
| GWTR ≥ Contamination to near edge of swb, c/c normal to flow | ≥ 1.568E+03 | ≥ -1.500E+02 | ≥ | --- | ≥ OFFLNAQSN |
| GWTR ≥ Contamination to far edge of swb, c/c normal to flow  | ≥ 1.630E+03 | ≥ 1.500E+02  | ≥ | --- | ≥ OFFLNAQSF |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42 Page 60

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

| Parameter                                                                                                                           | Menu | Parameter                                            | User      | Default   | RESRAD | computed | Name       |
|-------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|-----------|-----------|--------|----------|------------|
| ~~~~~                                                                                                                               |      |                                                      |           |           |        |          |            |
| 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 distribution 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) |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 61

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Site-Specific Parameter Summary (continued)

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

|      |                                                        |             |             |       |              |
|------|--------------------------------------------------------|-------------|-------------|-------|--------------|
| 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 | ≥ --- | ≥ ALPHALLOW  |
| 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)     |

09/19/2012 15:42 Page 62

File : RCTP - CAP - HYDRO.ROF

≥ 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) |      |           |       |         |          |        |
|---------------------------------------------|------|-----------|-------|---------|----------|--------|
| Parameter                                   | Menu | Parameter | Input | Default | computed | Name   |
| 0                                           | ≥    |           | ≥     | User    | ≥        | RESRAD |



fffff

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

1RESRAD-OFFSITE, Version 2.6                    T' Limit = 30 days                    09/19/2012 15:42 Page 64  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

|                                                                                                                     |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0                    ≥                                                                                              | ≥ User                    ≥                    ≥ RESRAD                    ≥                                                                                                                          |
| Parameter                                                                                                           |                                                                                                                                                                                                       |
| Menu ≥                                                                                                              | Parameter                    ≥                    Input                    ≥                    Default                    ≥                    computed                    ≥                    Name |
| fffff~ffffffffffffffffffffffffffffffffffffffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff~ffffffffffff<br>fffff |                                                                                                                                                                                                       |
| 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:<br>RAD_SHAPE(13) | ≥ 1.284E+02 | ≥ 1.325E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 14:<br>RAD_SHAPE(14) | ≥ 2.568E+02 | ≥ 2.650E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 15:<br>RAD_SHAPE(15) | ≥ 3.853E+02 | ≥ 3.975E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 16:<br>RAD_SHAPE(16) | ≥ 5.137E+02 | ≥ 5.300E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 17:<br>RAD_SHAPE(17) | ≥ 6.421E+02 | ≥ 6.625E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 18:<br>RAD_SHAPE(18) | ≥ 7.705E+02 | ≥ 7.950E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 19:<br>RAD_SHAPE(19) | ≥ 8.989E+02 | ≥ 9.275E+01 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 20:<br>RAD_SHAPE(20) | ≥ 1.027E+03 | ≥ 1.060E+02 | ≥ --- | ≥           |
| SEXT ≥ Outer annular radius (m), ring 21:<br>RAD_SHAPE(21) | ≥ 1.156E+03 | ≥ 1.193E+02 | ≥ --- | ≥           |
| 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)

|                              |                    |                  |         |
|------------------------------|--------------------|------------------|---------|
| 1RESRAD-OFFSITE, Version 2.6 | T' Limit = 30 days | 09/19/2012 15:42 | Page 65 |
|------------------------------|--------------------|------------------|---------|

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Site-Specific Parameter Summary (continued)

| 0            | ≥ |                                               | ≥ | User  | ≥         |         | ≥          | RESRAD   | ≥   |      |          |
|--------------|---|-----------------------------------------------|---|-------|-----------|---------|------------|----------|-----|------|----------|
| Parameter    |   |                                               |   |       |           |         |            |          |     |      |          |
| Menu         | ≥ | Parameter                                     |   | Input | ≥         | Default | ≥          | computed | ≥   | Name |          |
| ~~~~~        |   |                                               |   |       |           |         |            |          |     |      |          |
| 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    |
|              | ≥ |                                               |   | ≥     |           | ≥       |            | ≥        |     | ≥    |          |

[illegible]

Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

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     |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42 Page 67  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

| 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: 3.00 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)  
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  
Maximum TDOSE(t): 0.000E+00 mrem/yr at t = 0 years

1RESRAD-OFFSITE, Version 2.6 T Limit = 30 days 09/19/2012 15:42 Page 68  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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 = 0 years

From releases to ground water and to surface water

|        | Ground   |   | Fish     |   | Radon    |   | Plant    |   | Meat     |   | Milk     |   | Soil     |   |
|--------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| Radio- | 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 15:42 Page 69

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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- ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff
fffffff

```

```

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

09/19/2012 15:42 Page 70

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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

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
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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00   | 0.00E+00<br>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<br>0.00E+00   | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00     | 0.00E+00<br>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<br>0.00E+00 | 0.00E+00<br>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<br>0.00E+00   | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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<br>0.00E+00  | 0.00E+00<br>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        |   |          |   |          |   |          |   |          |   |          |   |          |

1RESRAD-OFFSITE, Version 2.6                      T Limit = 30 days                      09/19/2012 15:42    Page 71  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - CAP - HYDRO.ROF

(p)

|   |                                                                                                |            |       |       |      |      |      |
|---|------------------------------------------------------------------------------------------------|------------|-------|-------|------|------|------|
| 0 | Directly from primary contamination and from release to atmosphere (Inhalation excludes radon) |            |       |       |      |      |      |
| 0 | Ground                                                                                         | Inhalation | Radon | Plant | Meat | Milk | Soil |

Radio- ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff  
 ffffffff

[illegible]

|          |          |   |          |   |          |   |          |   |          |   |          |   |          |   |
|----------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| 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 |
| 0.00E+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

09/19/2012 15:42 Page 72

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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

0

0

Water

| Radio-   | Ground   | Fish     | Radon    | Plant    | Meat     | Milk     | Soil     |
|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| Nuclide | 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    | Am-241   |
|----------|----------|
| 0.00E+00 | 0.00E+00 |

|          |   |
|----------|---|
| 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 15:42 Page 73

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |

File : RCTP - CAP - HYDRO.ROF

[illegible]

|          |          |   |          |   |          |   |          |   |          |   |          |   |          |   |
|----------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| 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                      09/19/2012 15:42 Page 75  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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 15:42 Page 76  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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                                                                                   | Ground         |     | Fish           |     | Radon          |     | Plant          |     | Meat           |     | Milk           |     | Soil           |     |
| 0                                                                                   |                |     |                |     |                |     |                |     |                |     |                |     |                |     |
| Water                                                                               |                |     |                |     |                |     |                |     |                |     |                |     |                |     |
| Radio-                                                                              | ffffffffffffff |     | ffffffffffffff |     | ffffffffffffff |     | ffffffffffffff |     | ffffffffffffff |     | ffffffffffffff |     | ffffffffffffff |     |
| ffffffffffffff                                                                      |                |     |                |     |                |     |                |     |                |     |                |     |                |     |
| 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        |     |          |     |          |     |          |     |          |     |          |     |          |     |

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:42 Page 77  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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                            |                                                                                                |              |          |              |          |              |          |              |          |              |          |              |          |     |
| 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 |
| 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 |
| 0.00E+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

```

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

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 78

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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
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 | 0.00E+00 | 0 | 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

09/19/2012 15:42 Page 79

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 = 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- ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff ffffffffff

ffffffffffff

| 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 |
| 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

09/19/2012 15:42 Page 80

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 %  |      |   |      |   |      |   |      |   |      |   |      |   |      |   |

|        |          |   |          |   |          |   |          |   |          |   |          |   |          |   |
|--------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| 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 15:42 Page 81

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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  
 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  
 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 |
| 0.00E+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        |     |          |     |          |     |          |     |          |     |          |     |          |     |

0\*Sum of dose from all releases and from primary contamination.  
1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:42 Page 82  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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         |
| 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       |
| 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 15:42 Page 83  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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 15:42 Page 84

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |  |
| 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  |             |                 |                            |            |            |            |            |            |            |  |
| 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  |             |                 |                            |            |            |            |            |            |            |  |

|                      |          |           |           |           |           |           |           |           |           |           |
|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0Am-241<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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 |          |           |           |           |           |           |           |           |           |           |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 85

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

## Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent<br>(i) | Product<br>(j) | Thread<br>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 | 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  |
| 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  |
| 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  |
| 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     |                |                    |                            |            |            |            |            |            |            |            |
| 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  |
| 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  |
| 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  |
| 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  |
| 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     |                |                    |                            |            |            |            |            |            |            |            |
| 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     |                |                    |                            |            |            |            |            |            |            |            |
| 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  |

|           |          |           |           |           |           |           |           |           |           |           |
|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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

09/19/2012 15:42 Page 86

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

## Parent and Progeny Principal Radionuclide Contributions Indicated

| 0 Parent<br>(i) | Product<br>(j) | Thread<br>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 |  |
| 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 |          |           |           |           |           |           |           |           |           |           |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 87

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

## Dose/Source Ratios Summed Over All Pathways

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent<br>(i) | Product<br>(j) | Thread<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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 |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 88

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

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

Page 211 of 242

|                       |          |           |           |           |           |           |           |           |           |           |
|-----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-233<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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 15:42 Page 89  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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  $\hat{=}$  30 days) daughters.  
1RESRAD-OFFSITE, Version 2.6                    T' Limit = 30 days                    09/19/2012 15:42 Page 90  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

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

| 0Nuclide | (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  |
|----------|--------|--------------|------------|------------|------------|------------|------------|------------|------------|
| ffffff   | ffffff | ffffff       | ffffff     | ffffff     | ffffff     | ffffff     | ffffff     | ffffff     | ffffff     |
| 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

09/19/2012 15:42 Page 91

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 000000000000000 000000000 000000000 000000000 000000000

\*At specific activity limit

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 92

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |
| 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 0.000E+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 | 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 15:42 Page 93  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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 |

|         |           |           |           |           |           |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| +00     |           |           |           |           |           |           |           |           |           |           |
| U-235   | %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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| 0Pa-231 | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Pa-231  | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Pa-231  | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Pa-231  | %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 |
| +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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cf-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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cf-252  | %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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| 0Cm-248 | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cm-248  | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cm-248  | 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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cm-248  | %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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| 0Cf-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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cf-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 |
| +00     |           |           |           |           |           |           |           |           |           |           |
| Cf-252  | %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 |
| +00     |           |           |           |           |           |           |           |           |           |           |

1RESRAD-OFFSITE, Version 2.6      T' Limit = 30 days      09/19/2012 15:42 Page 94

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |
| +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 |

|        |           |           |           |           |           |           |           |           |           |           |           |           |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | 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 | 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 | 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 | 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 | 0.000E+00 |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 95

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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

09/19/2012 15:42 Page 96

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |

|          |           |           |           |           |           |           |           |           |           |           |           |           |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | 0.000E+00 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| Pu-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 | 0.000E+00 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| Pu-242   | %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-238   | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| U-238    | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| U-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 | 0.000E+00 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| U-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 | 0.000E+00 |
| +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 | 0.000E+00 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| 0Ru-106  | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| 0Sb-125  | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| Sb-125   | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| Sb-125   | %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      |           |           |           |           |           |           |           |           |           |           |           |           |
| 0Te-125m | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |
| 0Sm-151  | 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 |
| +00      |           |           |           |           |           |           |           |           |           |           |           |           |

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 97

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF



2.075E-19

Ac-227 Pu-239 1.000E+00 0.000E+00 1.041E-12 2.114E-10 1.612E-09 2.209E-08 5.394E-07 6.997E-06

8.822E-05

Ac-227 U-235 1.000E+00 0.000E+00 7.324E-05 2.485E-03 9.347E-03 4.921E-02 3.217E-01 1.230E+00 4.360E+00

Ac-227 %S(j): 2.340E+00 2.267E+00 1.936E+00 1.606E+00 9.496E-01 4.187E-01 1.231E+00 4.360E+00

Al-26 Al-26 1.000E+00 7.640E+02 7.640E+02 7.640E+02 7.640E+02 7.640E+02 7.639E+02 7.636E+02 7.628E+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 1.278E-06 1.185E-05 6.685E-05

Am-241 Pu-241 1.000E+00 0.000E+00 5.975E+00 3.176E+01 5.525E+01 9.441E+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 9.529E+02 3.101E+02

Np-237 Am-241 1.000E+00 0.000E+00 4.563E-04 2.727E-03 5.428E-03 1.337E-02 4.217E-02 1.086E-01 2.260E-01

Np-237 Cf-249 1.000E+00 0.000E+00 2.905E-19 3.378E-16 5.073E-15 1.675E-13 1.229E-11 3.924E-10 9.406E-09

Np-237 Cf-249 2.450E-05 0.000E+00 1.708E-20 3.385E-18 2.518E-17 3.228E-16 6.622E-15 6.820E-14 5.597E-13

Np-237 Np-237 1.000E+00 1.620E-03 1.620E-03 1.620E-03 1.620E-03 1.619E-03 1.618E-03 1.615E-03 1.603E-03

Np-237 Pu-241 1.000E+00 0.000E+00 9.837E-07 3.244E-05 1.181E-04 5.721E-04 3.060E-03 9.254E-03 2.023E-02

Np-237 Pu-241 2.450E-05 0.000E+00 2.959E-08 1.579E-07 2.763E-07 4.811E-07 6.241E-07 6.279E-07 6.233E-07

Np-237 %S(j): 1.620E-03 2.077E-03 4.379E-03 7.166E-03 1.557E-02 4.685E-02 1.194E-01 2.478E-01

U-233 Am-241 1.000E+00 0.000E+00 1.006E-09 3.587E-08 1.429E-07 8.841E-07 9.459E-06 7.669E-05 6.149E-04

|           |        |           |           |           |           |           |           |           |           |
|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-233     | Cf-249 | 1.000E+00 | 0.000E+00 | 1.066E-23 | 1.808E-21 | 5.440E-20 | 4.600E-18 | 1.208E-15 | 1.275E-13 |
| 1.180E-11 |        |           |           |           |           |           |           |           |           |
| U-233     | Cf-249 | 2.450E-05 | 0.000E+00 | 1.966E-26 | 2.261E-23 | 3.402E-22 | 1.130E-20 | 8.499E-19 | 2.928E-17 |
| 9.114E-16 |        |           |           |           |           |           |           |           |           |
| U-233     | Np-237 | 1.000E+00 | 0.000E+00 | 7.084E-09 | 4.250E-08 | 8.499E-08 | 2.124E-07 | 7.069E-07 | 2.111E-06 |
| 6.931E-06 |        |           |           |           |           |           |           |           |           |
| U-233     | Pu-241 | 1.000E+00 | 0.000E+00 | 1.469E-12 | 2.913E-10 | 2.168E-09 | 2.785E-08 | 5.762E-07 | 6.086E-06 |
| 5.370E-05 |        |           |           |           |           |           |           |           |           |
| U-233     | Pu-241 | 2.450E-05 | 0.000E+00 | 6.575E-14 | 2.174E-12 | 7.945E-12 | 3.889E-11 | 2.183E-10 | 7.643E-10 |
| 2.640E-09 |        |           |           |           |           |           |           |           |           |
| U-233     | U-233  | 1.000E+00 | 2.790E+00 | 2.790E+00 | 2.789E+00 | 2.789E+00 | 2.787E+00 | 2.781E+00 | 2.762E+00 |
| +00       |        |           |           |           |           |           |           |           | 2.698E    |
| U-233     | %S(j): |           | 2.790E+00 | 2.790E+00 | 2.789E+00 | 2.789E+00 | 2.787E+00 | 2.781E+00 | 2.762E+00 |
| +00       |        |           |           |           |           |           |           |           | 2.699E    |
| 0Th-229   | Am-241 | 1.000E+00 | 0.000E+00 | 3.233E-14 | 6.795E-12 | 5.410E-11 | 8.378E-10 | 3.011E-08 | 7.478E-07 |
| 2.120E-05 |        |           |           |           |           |           |           |           |           |
| Th-229    | Cf-249 | 1.000E+00 | 0.000E+00 | 4.446E-23 | 1.540E-23 | 3.864E-23 | 2.255E-21 | 2.070E-18 | 7.044E-16 |
| 2.397E-13 |        |           |           |           |           |           |           |           |           |
| Th-229    | Cf-249 | 2.450E-05 | 0.000E+00 | 1.040E-27 | 2.964E-27 | 7.937E-26 | 6.688E-24 | 1.791E-21 | 2.002E-19 |
| 2.255E-17 |        |           |           |           |           |           |           |           |           |
| Th-229    | Np-237 | 1.000E+00 | 0.000E+00 | 3.373E-13 | 1.205E-11 | 4.816E-11 | 3.006E-10 | 3.330E-09 | 2.969E-08 |
| 3.195E-07 |        |           |           |           |           |           |           |           |           |
| Th-229    | Pu-241 | 1.000E+00 | 0.000E+00 | 3.633E-17 | 4.201E-14 | 6.323E-13 | 2.103E-11 | 1.590E-09 | 5.566E-08 |
| 1.812E-06 |        |           |           |           |           |           |           |           |           |
| Th-229    | Pu-241 | 2.450E-05 | 0.000E+00 | 2.120E-18 | 4.212E-16 | 3.142E-15 | 4.066E-14 | 8.679E-13 | 1.006E-11 |
| 1.193E-10 |        |           |           |           |           |           |           |           |           |
| Th-229    | U-233  | 1.000E+00 | 0.000E+00 | 2.635E-04 | 1.580E-03 | 3.159E-03 | 7.889E-03 | 2.618E-02 | 7.754E-02 |
| 2.472E-01 |        |           |           |           |           |           |           |           |           |
| Th-229    | %S(j): |           | 0.000E+00 | 2.635E-04 | 1.580E-03 | 3.159E-03 | 7.889E-03 | 2.618E-02 | 7.754E-02 |
| 2.472E-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 | 9.309E-12 |
| 2.332E-12 |        |           |           |           |           |           |           |           |           |
| Cf-249    | Cf-249 | 1.000E+00 | 3.240E-03 | 3.234E-03 | 3.202E-03 | 3.164E-03 | 3.053E-03 | 2.659E-03 | 1.790E-03 |

4.484E-04

Cf-249 %S(j): 3.240E-03 3.234E-03 3.202E-03 3.164E-03 3.053E-03 2.659E-03 1.790E-03

4.484E-04

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 99

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 | 3.132E-06 | 7.686E-06 | 2.387E-05 | 5.897E-05 |           |           |
| 1.090E-04 |        |           |               |           |           |           |           |           |           |           |           |
| Cm-245    | %S(j): |           | 0.000E+00     | 2.639E-07 | 1.575E-06 | 3.132E-06 | 7.686E-06 | 2.387E-05 | 5.897E-05 |           |           |
| 1.090E-04 |        |           |               |           |           |           |           |           |           |           |           |
| 0Pu-241   | Cf-249 | 1.000E+00 | 0.000E+00     | 6.304E-09 | 2.077E-07 | 7.558E-07 | 3.649E-06 | 1.925E-05 | 5.591E-05 |           |           |
| 1.084E-04 |        |           |               |           |           |           |           |           |           |           |           |
| Pu-241    | Cf-249 | 2.450E-05 | 0.000E+00     | 1.544E-13 | 5.089E-12 | 1.852E-11 | 8.939E-11 | 4.717E-10 | 1.370E-09 |           |           |
| 2.657E-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 | 2.045E-03 |           |           |
| 4.755E-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 |           |           |
| 1.084E-04 |        |           |               |           |           |           |           |           |           |           |           |
| 0Cf-249   | Cf-249 | 2.450E-05 | 7.938E-08     | 7.922E-08 | 7.844E-08 | 7.752E-08 | 7.481E-08 | 6.514E-08 | 4.386E-08 |           |           |
| 1.099E-08 |        |           |               |           |           |           |           |           |           |           |           |
| 0Cm-245   | Cf-249 | 2.450E-05 | 0.000E+00     | 6.466E-12 | 3.860E-11 | 7.672E-11 | 1.883E-10 | 5.848E-10 | 1.445E-09 |           |           |
| 2.671E-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 | 1.063E-02 |           |           |
| 6.189E-03 |        |           |               |           |           |           |           |           |           |           |           |



|           |        |           |           |           |           |           |           |           |           |
|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0Cm-247   | Cf-251 | 1.000E+00 | 0.000E+00 | 5.952E-10 | 3.564E-09 | 7.112E-09 | 1.766E-08 | 5.729E-08 | 1.594E-07 |
| 4.144E-07 |        |           |           |           |           |           |           |           |           |
| 0Am-243   | Cf-251 | 1.000E+00 | 0.000E+00 | 2.818E-14 | 1.006E-12 | 4.014E-12 | 2.495E-11 | 2.717E-10 | 2.310E-09 |
| 2.124E-08 |        |           |           |           |           |           |           |           |           |
| 0Pu-239   | Cf-251 | 1.000E+00 | 0.000E+00 | 2.760E-19 | 5.811E-17 | 4.632E-16 | 7.200E-15 | 2.625E-13 | 6.783E-12 |
| 2.166E-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 | 9.170E+03 |
| +03       |        |           |           |           |           |           |           |           | 8.986E    |
| Pu-239    | %S(j): |           | 9.250E+03 | 9.250E+03 | 9.248E+03 | 9.247E+03 | 9.242E+03 | 9.223E+03 | 9.170E+03 |
| +03       |        |           |           |           |           |           |           |           | 8.986E    |
| 0U-235    | Cf-251 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 1.219E-25 | 1.240E-24 | 5.285E-23 | 6.489E-21 | 5.068E-19 |
| 5.531E-17 |        |           |           |           |           |           |           |           |           |
| U-235     | Pu-239 | 1.000E+00 | 0.000E+00 | 9.110E-06 | 5.465E-05 | 1.093E-04 | 2.731E-04 | 9.084E-04 | 2.709E-03 |
| 8.850E-03 |        |           |           |           |           |           |           |           |           |
| U-235     | U-235  | 1.000E+00 | 2.180E+02 | 2.180E+02 | 2.180E+02 | 2.179E+02 | 2.178E+02 | 2.174E+02 | 2.161E+02 |
| +02       |        |           |           |           |           |           |           |           | 2.118E    |
| U-235     | %S(j): |           | 2.180E+02 | 2.180E+02 | 2.180E+02 | 2.179E+02 | 2.178E+02 | 2.174E+02 | 2.161E+02 |
| +02       |        |           |           |           |           |           |           |           | 2.118E    |
| 0Pa-231   | Cf-251 | 1.000E+00 | 0.000E+00 | 1.691E-25 | 1.206E-24 | 4.060E-25 | 1.092E-24 | 3.425E-24 | 6.487E-22 |
| 2.401E-19 |        |           |           |           |           |           |           |           |           |
| Pa-231    | Pu-239 | 1.000E+00 | 0.000E+00 | 9.717E-11 | 3.473E-09 | 1.388E-08 | 8.667E-08 | 9.612E-07 | 8.605E-06 |
| 9.387E-05 |        |           |           |           |           |           |           |           |           |
| Pa-231    | U-235  | 1.000E+00 | 0.000E+00 | 4.612E-03 | 2.767E-02 | 5.533E-02 | 1.383E-01 | 4.601E-01 | 1.373E+00 |
| +00       |        |           |           |           |           |           |           |           | 4.498E    |
| Pa-231    | %S(j): |           | 0.000E+00 | 4.612E-03 | 2.767E-02 | 5.533E-02 | 1.383E-01 | 4.601E-01 | 1.373E+00 |
| +00       |        |           |           |           |           |           |           |           | 4.498E    |
| 0Cf-252   | Cf-252 | 3.092E-02 | 4.669E-09 | 3.591E-09 | 9.663E-10 | 1.999E-10 | 1.762E-12 | 1.815E-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 | 4.698E-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 | 6.512E-20 | 9.795E-43 |
| +00       |        |           |           |           |           |           |           |           | 0.000E    |
| 0Cm-248   | Cf-252 | 8.005E-02 | 0.000E+00 | 2.171E-14 | 7.459E-14 | 9.003E-14 | 9.401E-14 | 9.402E-14 | 9.396E-14 |

9.372E-14  
 Cm-248 Cf-252 4.395E-08 0.000E+00 1.192E-20 4.096E-20 4.943E-20 5.162E-20 5.163E-20 5.159E-20  
 5.146E-20  
 Cm-248 Cf-252 8.879E-01 0.000E+00 2.409E-13 8.274E-13 9.986E-13 1.043E-12 1.043E-12 1.042E-12  
 1.040E-12  
 Cm-248 %S(j): 0.000E+00 2.626E-13 9.020E-13 1.089E-12 1.137E-12 1.137E-12 1.136E-12  
 1.133E-12  
 0Cf-252 Cf-252 1.111E-03 1.678E-10 1.291E-10 3.473E-11 7.183E-12 6.334E-14 6.522E-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 7.184E-12 6.334E-14 6.522E-22 9.809E-45 0.000E  
 +00

1RESRAD-OFFSITE, Version 2.6 T' Limit = 30 days 09/19/2012 15:42 Page 100

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

Individual Nuclide Soil Concentration  
 Parent Nuclide and Thread Fraction Indicated

| 0Nuclide<br>(j) | Parent<br>(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 |
|                 |               |           | 0.000E+00     | 3.015E-16 | 1.036E-15 | 1.250E-15 | 1.305E-15 | 1.305E-15 | 1.304E-15 |           |           |
| Cm-248          | Cf-252        | 1.111E-03 | 0.000E+00     | 3.015E-16 | 1.036E-15 | 1.250E-15 | 1.305E-15 | 1.305E-15 | 1.304E-15 |           |           |
|                 |               |           | 0.000E+00     | 1.330E-24 | 3.267E-23 | 9.157E-23 | 2.870E-22 | 1.054E-21 | 3.244E-21 |           |           |
| 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 | 3.244E-21 |           |           |
|                 |               |           | 0.000E+00     | 5.261E-29 | 1.292E-27 | 3.622E-27 | 1.135E-26 | 4.168E-26 | 1.283E-25 |           |           |
| 0Pu-244         | Cf-252        | 4.395E-08 | 0.000E+00     | 5.261E-29 | 1.292E-27 | 3.622E-27 | 1.135E-26 | 4.168E-26 | 1.283E-25 |           |           |
|                 |               |           | 0.000E+00     | 5.261E-29 | 1.292E-27 | 3.622E-27 | 1.135E-26 | 4.168E-26 | 1.283E-25 |           |           |
| Pu-244          | %S(j):        |           | 0.000E+00     | 5.261E-29 | 1.292E-27 | 3.622E-27 | 1.135E-26 | 4.168E-26 | 1.283E-25 |           |           |

|                |           |           |           |           |           |           |           |           |        |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| 0Pu-240 Cf-252 | 4.395E-08 | 0.000E+00 | 1.937E-33 | 3.065E-31 | 1.848E-30 | 1.608E-29 | 2.122E-28 | 1.994E-27 |        |
| 2.199E-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 | 5.211E-19 | 7.836E-42 | 0.000E |
| +00            |           |           |           |           |           |           |           |           |        |
| 0Pu-244 Cf-252 | 8.879E-01 | 0.000E+00 | 1.063E-21 | 2.611E-20 | 7.317E-20 | 2.293E-19 | 8.421E-19 | 2.592E-18 |        |
| 8.706E-18      |           |           |           |           |           |           |           |           |        |
| 0Pu-240 Cf-252 | 8.879E-01 | 0.000E+00 | 3.913E-26 | 6.193E-24 | 3.733E-23 | 3.249E-22 | 4.287E-21 | 4.029E-20 |        |
| 4.443E-19      |           |           |           |           |           |           |           |           |        |
| 0U-236 Cf-252  | 8.879E-01 | 0.000E+00 | 4.120E-34 | 2.949E-31 | 3.716E-30 | 8.695E-29 | 4.082E-27 | 1.179E-25 |        |
| 4.375E-24      |           |           |           |           |           |           |           |           |        |
| U-236 Pu-240   | 1.000E+00 | 0.000E+00 | 7.045E-05 | 4.226E-04 | 8.448E-04 | 2.109E-03 | 6.998E-03 | 2.071E-02 |        |
| 6.586E-02      |           |           |           |           |           |           |           |           |        |
| U-236 U-236    | 1.000E+00 | 4.070E-01 | 4.070E-01 | 4.069E-01 | 4.069E-01 | 4.066E-01 | 4.058E-01 | 4.035E-01 |        |
| 3.953E-01      |           |           |           |           |           |           |           |           |        |
| U-236 %S(j):   |           | 4.070E-01 | 4.071E-01 | 4.074E-01 | 4.077E-01 | 4.088E-01 | 4.128E-01 | 4.242E-01 |        |
| 4.612E-01      |           |           |           |           |           |           |           |           |        |
| 0Th-232 Cf-252 | 8.879E-01 | 0.000E+00 | 2.086E-39 | 6.511E-39 | 4.083E-38 | 0.000E+00 | 4.836E-36 | 4.316E-34 |        |
| 5.413E-32      |           |           |           |           |           |           |           |           |        |
| Th-232 Pu-240  | 1.000E+00 | 0.000E+00 | 1.752E-15 | 6.262E-14 | 2.502E-13 | 1.562E-12 | 1.730E-11 | 1.543E-10 |        |
| 1.662E-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 | 1.205E-10 | 2.409E-10 | 6.021E-10 | 2.005E-09 | 5.998E-09 |        |
| 1.979E-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 | 2.732E-39 | 1.929E-38 | 1.211E-37 | 4.752E-38 | 3.639E-36 | 3.873E-34 |        |
| 5.238E-32      |           |           |           |           |           |           |           |           |        |
| Ra-228 Pu-240  | 1.000E+00 | 0.000E+00 | 6.965E-17 | 1.274E-14 | 8.719E-14 | 9.308E-13 | 1.467E-11 | 1.461E-10 |        |

1.635E-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 8.250E-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 3.474E-11 1.136E-10 4.401E-10 1.839E-09 5.832E-09  
 1.963E-08  
 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  
 9.880E-03  
 Th-228 Cf-252 8.879E-01 0.000E+00 2.079E-39 1.292E-38 9.827E-38 3.138E-38 3.231E-36 3.729E-34  
 5.181E-32  
 Th-228 Pu-240 1.000E+00 0.000E+00 6.104E-18 4.871E-15 5.023E-14 7.462E-13 1.383E-11 1.433E-10  
 1.626E-09  
 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 1.648E-11 7.738E-11 3.870E-10 1.784E-09 5.777E-09  
 1.957E-08  
 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  
 9.880E-03  
 Cl-36 Cl-36 1.000E+00 2.790E-01 2.784E-01 2.757E-01 2.724E-01 2.627E-01 2.283E-01 1.528E-01  
 3.749E-02

1RESRAD-OFFSITE, Version 2.6

T' Limit = 30 days

09/19/2012 15:42 Page 101

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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  | 4.261E+00  | 2.207E+00  | 1.002E+00  | 9.361E-02  | 9.311E-06  | 3.413E-17  | 0.000E+00  |
| 0Cs-134    | Cs-134     | 1.000E+00  | 2.620E-06  | 1.873E-06  | 3.494E-07  | 4.654E-08  | 1.094E-10  | 6.616E-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  | 1.525E+03  | 3.024E+02  | 2.974E+00  | 2.804E-07  |
| 0Eu-154    | Eu-154     | 1.000E+00  | 9.920E-03  | 9.169E-03  | 6.185E-03  | 3.856E-03  | 9.338E-04  | 3.765E-06  | 5.420E-13  | 6.137E-37  |
| 0Eu-155    | Eu-155     | 1.000E+00  | 8.720E-03  | 7.583E-03  | 3.772E-03  | 1.631E-03  | 1.318E-04  | 7.440E-09  | 5.408E-21  | 0.000E+00  |
| 0H-3       | H-3        | 1.000E+00  | 3.780E+04  | 3.567E+04  | 2.667E+04  | 1.882E+04  | 6.609E+03  | 1.130E+02  | 1.009E-03  | 2.147E-21  |
| 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  | 4.221E-01  | 2.817E-01  |
| 0Na-22     | Na-22      | 1.000E+00  | 1.120E-03  | 8.583E-04  | 2.268E-04  | 4.590E-05  | 3.790E-07  | 3.024E-15  | 2.195E-38  | 0.000E+00  |
| 0Pb-210    | Pb-210     | 1.000E+00  | 2.850E+00  | 2.763E+00  | 2.365E+00  | 1.963E+00  | 1.122E+00  | 1.273E-01  | 2.539E-04  | 9.004E-14  |
| Pb-210     | Pu-238     | 1.000E+00  | 0.000E+00  | 2.227E-13  | 2.620E-10  | 3.986E-09  | 1.360E-07  | 1.060E-05  | 3.275E-04  | 6.515E-03  |
| Pb-210     | Pu-242     | 9.999E-01  | 0.000E+00  | 2.642E-23  | 5.999E-23  | 6.457E-23  | 2.405E-21  | 7.169E-19  | 9.682E-17  | 1.444E-14  |
| Pb-210     | Ra-226     | 1.000E+00  | 0.000E+00  | 1.178E-01  | 6.541E-01  | 1.195E+00  | 2.317E+00  | 3.564E+00  | 3.428E+00  | 2.531E+00  |
| Pb-210     | Th-230     | 1.000E+00  | 0.000E+00  | 5.622E-04  | 1.908E-02  | 7.183E-02  | 3.786E-01  | 2.468E+00  | 9.150E+00  | 2.852E+01  |
| Pb-210     | U-234      | 1.000E+00  | 0.000E+00  | 8.782E-10  | 1.780E-07  | 1.358E-06  | 1.862E-05  | 4.544E-04  | 5.789E-03  | 6.711E-02  |
| Pb-210     | U-238      | 9.999E-01  | 0.000E+00  | 5.021E-17  | 9.611E-13  | 1.478E-11  | 5.190E-10  | 4.534E-08  | 1.902E-06  |            |

7.957E-05

Pb-210 %S(j): 2.850E+00 2.881E+00 3.038E+00 3.230E+00 3.817E+00 6.159E+00 1.258E+01 3.113E+01

0Po-210 Pb-210 1.000E+00 0.000E+00 2.340E+00 2.406E+00 1.997E+00 1.141E+00 1.295E-01 2.583E-04  
9.159E-14

Po-210 Pu-238 1.000E+00 0.000E+00 6.473E-14 1.891E-10 3.363E-09 1.270E-07 1.041E-05 3.258E-04  
6.507E-03

Po-210 Pu-242 9.999E-01 0.000E+00 3.847E-25 2.814E-23 2.825E-23 2.180E-21 6.991E-19 9.606E-17  
1.441E-14

Po-210 Ra-226 1.000E+00 0.000E+00 6.409E-02 5.990E-01 1.150E+00 2.292E+00 3.562E+00 3.429E+00 2.532E+00

Po-210 Th-230 1.000E+00 0.000E+00 2.322E-04 1.600E-02 6.591E-02 3.668E-01 2.449E+00 9.132E+00 2.851E+01

Po-210 U-234 1.000E+00 0.000E+00 2.966E-10 1.379E-07 1.193E-06 1.771E-05 4.483E-04 5.767E-03  
6.704E-02

Po-210 U-238 9.999E-01 0.000E+00 6.677E-18 6.934E-13 1.246E-11 4.846E-10 4.447E-08 1.891E-06  
7.944E-05

Po-210 %S(j): 0.000E+00 2.405E+00 3.021E+00 3.212E+00 3.799E+00 6.141E+00 1.257E+01 3.112E+01

0Pm-147 Pm-147 1.000E+00 1.370E-08 1.052E-08 2.811E-09 5.763E-10 4.949E-12 4.600E-20 5.157E-43 0.000E+00

0Sm-147 Pm-147 1.000E+00 0.000E+00 7.866E-20 2.695E-19 3.248E-19 3.389E-19 3.390E-19 3.389E-19  
3.385E-19

0Pu-238 Pu-238 1.840E-09 2.705E-05 2.684E-05 2.580E-05 2.460E-05 2.134E-05 1.228E-05 2.528E-06  
1.003E-08

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 5.449E+00

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 5.449E+00

1RESRAD-OFFSITE, Version 2.6 T Limit = 30 days 09/19/2012 15:42 Page 102

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - 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 |
| U-234                                        | Pu-238 | 1.000E+00 | 0.000E+00     | 4.151E-02 | 2.442E-01 | 4.770E-01 | 1.113E+00 | 2.876E+00 | 4.751E+00 | 5.128E+00 | 5.426E-11 |
| U-234                                        | Pu-242 | 9.999E-01 | 0.000E+00     | 5.587E-17 | 1.997E-15 | 7.981E-15 | 4.984E-14 | 5.530E-13 | 4.956E-12 |           |           |
| U-234                                        | U-234  | 1.000E+00 | 4.260E+01     | 4.260E+01 | 4.259E+01 | 4.258E+01 | 4.256E+01 | 4.246E+01 | 4.219E+01 | 4.126E+01 |           |
| U-234                                        | U-238  | 9.999E-01 | 0.000E+00     | 1.517E-04 | 9.098E-04 | 1.819E-03 | 4.546E-03 | 1.512E-02 | 4.508E-02 |           |           |
| U-234                                        | %S(j): |           | 4.260E+01     | 4.264E+01 | 4.284E+01 | 4.306E+01 | 4.368E+01 | 4.536E+01 | 4.699E+01 | 4.654E+01 |           |
| Th-230                                       | Pu-238 | 1.000E+00 | 0.000E+00     | 1.886E-07 | 6.654E-06 | 2.618E-05 | 1.562E-04 | 1.464E-03 | 8.755E-03 |           |           |
| Th-230                                       | Pu-242 | 9.999E-01 | 0.000E+00     | 1.933E-22 | 3.608E-20 | 2.876E-19 | 4.487E-18 | 1.660E-16 | 4.465E-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 | 2.301E-03 | 4.601E-03 | 1.150E-02 | 3.827E-02 | 1.143E-01 |           |           |
| Th-230                                       | U-238  | 9.999E-01 | 0.000E+00     | 6.883E-10 | 2.460E-08 | 9.831E-08 | 6.139E-07 | 6.810E-06 | 6.101E-05 |           |           |
| Th-230                                       | %S(j): |           | 8.370E+01     | 8.370E+01 | 8.370E+01 | 8.370E+01 | 8.369E+01 | 8.366E+01 | 8.360E+01 | 8.337E+01 |           |
| Ra-226                                       | Pu-238 | 1.000E+00 | 0.000E+00     | 2.781E-11 | 5.798E-09 | 4.571E-08 | 6.875E-07 | 2.221E-05 | 4.265E-04 |           |           |
| Ra-226                                       | Pu-242 | 9.999E-01 | 0.000E+00     | 2.355E-23 | 6.660E-23 | 3.829E-22 | 1.455E-20 | 1.783E-18 | 1.415E-16 |           |           |

1.631E-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 3.381E+00 2.496E+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 2.991E-06 1.194E-05 7.441E-05 8.177E-04 7.133E-03  
 7.125E-02  
 Ra-226 U-238 9.999E-01 0.000E+00 1.007E-13 2.135E-11 1.703E-10 2.652E-09 9.735E-08 2.564E-06  
 8.719E-05  
 Ra-226 %S(j): 3.850E+00 3.885E+00 4.057E+00 4.264E+00 4.881E+00 7.235E+00 1.357E+01 3.186E+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 2.140E+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 1.361E-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 1.499E-05 1.499E-05  
 1.496E-05  
 0U-238 Pu-242 5.400E-05 0.000E+00 2.111E-15 1.267E-14 2.533E-14 6.330E-14 2.108E-13 6.304E-13  
 2.079E-12  
 U-238 Pu-242 9.999E-01 0.000E+00 3.909E-11 2.345E-10 4.690E-10 1.172E-09 3.903E-09 1.167E-08  
 3.849E-08  
 U-238 U-238 5.400E-05 2.889E-03 2.889E-03 2.888E-03 2.888E-03 2.886E-03 2.881E-03 2.864E-03  
 2.806E-03  
 U-238 %S(j): 2.889E-03 2.889E-03 2.888E-03 2.888E-03 2.886E-03 2.881E-03 2.864E-03  
 2.806E-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  
 2.515E-01  
 0Ru-106 Ru-106 1.000E+00 7.770E-09 3.906E-09 1.251E-10 2.007E-12 8.078E-18 8.867E-39 0.000E+00 0.000E+00



|          |        |           |           |           |           |           |           |           |           |           |
|----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0Sb-125  | Sb-125 | 7.720E-01 | 4.169E-04 | 3.240E-04 | 9.189E-05 | 2.024E-05 | 2.157E-07 | 4.637E-15 | 5.714E-37 | 0.000E+00 |
| 0Sb-125  | Sb-125 | 2.280E-01 | 1.231E-04 | 9.570E-05 | 2.714E-05 | 5.978E-06 | 6.370E-08 | 1.370E-15 | 1.687E-37 | 0.000E+00 |
| 0Sb-125  | %S(j): |           | 5.400E-04 | 4.197E-04 | 1.190E-04 | 2.622E-05 | 2.794E-07 | 6.007E-15 | 7.401E-37 | 0.000E+00 |
| 0Te-125m | Sb-125 | 2.280E-01 | 0.000E+00 | 9.978E-05 | 2.879E-05 | 6.342E-06 | 6.758E-08 | 1.453E-15 | 1.790E-37 | 0.000E+00 |
| 0Sm-151  | Sm-151 | 1.000E+00 | 2.110E-02 | 2.094E-02 | 2.015E-02 | 1.924E-02 | 1.675E-02 | 9.766E-03 | 2.092E-03 | 9.524E-06 |

1RESRAD-OFFSITE, Version 2.6                      T' Limit = 30 days                      09/19/2012 15:42    Page 103  
Parent Dose Report  
Title : RCTP - Cap - Hydro Modeling  
File : RCTP - 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 |
| 03                                                                                                        |        |           |               | 1.000E    | 1.000E    | 1.000E    | 1.000E    | 1.000E    | 1.000E    | 1.000E    |
| Sb-125m Sb-125m 1.000E+00 5.020E-01 4.957E-01 4.654E-01 4.315E-01 3.439E-01 1.423E-01 1.144E-02 1.686E-06 |        |           |               |           |           |           |           |           |           |           |
| 0Sn-126                                                                                                   | Sn-126 | 1.000E+00 |               | 1.220E-01 | 1.220E-01 | 1.220E-01 | 1.220E-01 | 1.220E-01 | 1.219E-01 | 1.217E-01 |
| 0Sr-90                                                                                                    | Sr-90  | 1.000E+00 |               | 4.300E+02 | 4.199E+02 | 3.728E+02 | 3.232E+02 | 2.105E+02 | 3.978E+01 | 3.405E-01 |
| 0U-238                                                                                                    | U-238  | 9.999E-01 |               | 5.350E+01 | 5.350E+01 | 5.349E+01 | 5.348E+01 | 5.345E+01 | 5.334E+01 | 5.303E+01 |
| 01                                                                                                        |        |           |               | 5.197E    | 5.197E    | 5.197E    | 5.197E    | 5.197E    | 5.197E    | 5.197E    |
| 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000                 |        |           |               |           |           |           |           |           |           |           |

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

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

09/19/2012 15:42 Page 104

Parent Dose Report

Title : RCTP - Cap - Hydro Modeling

File : RCTP - CAP - HYDRO.ROF

#### Run Time Information

Res0Calc.EXE execution began at 15:42 on 09/19/2012

Res0Calc.EXE execution ended at 15:44 on 09/19/2012

Res0Calc.EXE execution time 2 minutes 21 seconds