

u206ncd.txt

Report Date.....: 12/17/2007 17:36
 Report Name.....: Liquid Dose Summary Report
 Release Sources.....: North Curtain Drain
 Start Date.....: 01/01/2006 00:00
 End Date.....: 01/01/2007 00:00

Period Duration (mins).....: 5.256e+05
 Universal Scaling Factor.....: 1.0
 Include PreRelease/Open Permits: NO
 Permit/Period Based Doses.....: PERIOD
 Delta T1 Duration.....: Period
 Delta T2 Duration.....: Period
 Delta T3 Duration.....: Period
 Dose Projection.....: NO

TOTALS BY RELEASE POINT

Release Point.....: Discharge Canal
 Release Duration (min).....: 5.256e+05
 Undiluted Volume (gal).....: 2.121e+06
 Dilution Volume (gal).....: 7.385e+11
 Mixing Factor.....: 5.000e+00
 Pathway Factors.....: Potable Water (PWtr).....: 1.000e+00
 SW Invt & FW Fish (SIFF).....: 1.000e+00
 Fresh Water Fish - Comm. (FFCM).....: 1.000e+00
 Shoreline Sediment (SHDp).....: 1.000e+00
 Conc Dil Factor (w/o Mixing)....: 2.873e-06
 Dose Dil Factor (w/Mixing).....: 5.745e-07

Nuclide	Activity (uCi)	Avg Und Conc (uCi/ml)	Diluted Conc (uCi/ml)	EC Limit (uCi/ml)	Percent of 10*EC
H-3	4.712e+04	5.868e-06	1.686e-11	1.000e-03	0.00
NI-63	4.481e+02	5.580e-08	1.603e-13	1.000e-04	0.00
SR-89	1.605e+02	1.998e-08	5.740e-14	8.000e-06	0.00
SR-90	7.868e+02	9.797e-08	2.814e-13	5.000e-07	0.00
CS-137	1.491e+04	1.856e-06	5.333e-12	1.000e-06	0.00

TOTALS BY RECEPTOR

Receptor.....: Liquid Receptor

Dose Factor = AiTau, Units = mRem

Agegrp/Pathway	Nuclide	Bone	Liver	Thyroid	Kidney	Lung	GILLi
Skin	TBody						
Adult /SIFF	H-3	0.00e+00	8.33e-09	8.33e-09	8.33e-09	8.33e-09	8.33e-09
0.00e+00	8.33e-09						
Adult /SIFF	NI-63	1.39e-05	9.66e-07	0.00e+00	0.00e+00	0.00e+00	2.02e-07
0.00e+00	4.69e-07						
Adult /SIFF	SR-89	2.57e-06	0.00e+00	0.00e+00	0.00e+00	0.00e+00	4.13e-07
0.00e+00	7.40e-08						
Adult /SIFF	SR-90	3.11e-04	0.00e+00	0.00e+00	0.00e+00	0.00e+00	8.97e-06
0.00e+00	7.64e-05						
Adult /SIFF	CS-137	4.94e-04	6.76e-04	0.00e+00	2.30e-04	7.63e-05	1.31e-05
0.00e+00	4.43e-04						
Teen /SIFF	H-3	0.00e+00	6.41e-09	6.41e-09	6.41e-09	6.41e-09	6.41e-09
0.00e+00	6.41e-09						
Teen /SIFF	NI-63	1.45e-05	1.02e-06	0.00e+00	0.00e+00	0.00e+00	1.62e-07
0.00e+00	4.89e-07						

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Teen /SIF	SR-89	2.81e-06	0.00e+00	0.00e+00	0.00e+00	0.00e+00	3.34e-07
0.00e+00	8.04e-08						
Teen /SIF	SR-90	2.59e-04	0.00e+00	0.00e+00	0.00e+00	0.00e+00	7.30e-06
0.00e+00	6.41e-05						
Teen /SIF	CS-137	5.29e-04	7.04e-04	0.00e+00	2.39e-04	9.31e-05	1.00e-05
0.00e+00	2.45e-04						
Child /SIF	H-3	0.00e+00	5.32e-09	5.32e-09	5.32e-09	5.32e-09	5.32e-09
0.00e+00	5.32e-09						
Child /SIF	NI-63	1.92e-05	1.03e-06	0.00e+00	0.00e+00	0.00e+00	6.94e-08
0.00e+00	6.54e-07						
Child /SIF	SR-89	3.65e-06	0.00e+00	0.00e+00	0.00e+00	0.00e+00	1.41e-07
0.00e+00	1.05e-07						
Child /SIF	SR-90	2.30e-04	0.00e+00	0.00e+00	0.00e+00	0.00e+00	3.10e-06
0.00e+00	5.82e-05						
Child /SIF	CS-137	6.71e-04	6.42e-04	0.00e+00	2.09e-04	7.53e-05	4.02e-06
0.00e+00	9.44e-05						

Agegrp/Pathway		Bone	Liver	Thyroid	Kidney	Lung	GILLi
Skin	TBody						
Adult /SIF		8.22e-04	6.77e-04	8.33e-09	2.30e-04	7.63e-05	2.27e-05
0.00e+00	5.20e-04						
Teen /SIF		8.05e-04	7.05e-04	6.41e-09	2.39e-04	9.31e-05	1.78e-05
0.00e+00	3.09e-04						
Child /SIF		9.24e-04	6.43e-04	5.32e-09	2.09e-04	7.53e-05	7.33e-06
0.00e+00	1.53e-04						

Agegroup		Bone	Liver	Thyroid	Kidney	Lung	GILLi
Skin	TBody						
ADULT		8.22e-04	6.77e-04	8.33e-09	2.30e-04	7.63e-05	2.27e-05
0.00e+00	5.20e-04						
TEEN		8.05e-04	7.05e-04	6.41e-09	2.39e-04	9.31e-05	1.78e-05
0.00e+00	3.09e-04						
CHILD		9.24e-04	6.43e-04	5.32e-09	2.09e-04	7.53e-05	7.33e-06
0.00e+00	1.53e-04						

Max Dose Analysis

Max AO Receptor.....: Liquid Receptor
 Max AO Agegroup.....: Child
 Max AO Organ.....: Bone
 Max AO Dose (mRem)....: 9.240e-04

Max TB Receptor.....: Liquid Receptor
 Max TB Agegroup.....: Adult
 Max TB Organ.....: TBody
 Max TB Dose (mRem)....: 5.199e-04