

10-Feb-00

Dose Conversion Factors in DOSDATA.INP

		cloudshine	groundshine	inhalation (acute)	inhalation (chronic)	ingestion
Ru-106	Lungs	7.99E-15	1.58E-16	2.09E-08	1.04E-06	1.48E-09
	Red Marr	8.05E-15	1.61E-16	8.74E-11	1.77E-09	1.48E-09
Cs-137	Lungs	2.18E-14	4.35E-16	8.29E-10	8.80E-09	1.27E-08
	Red Marr	2.22E-14	4.41E-16	5.63E-10	8.30E-09	1.32E-08
Ratio of Ru-106 to Cs-137	Lungs	0.37	0.36	25.20	117.85	0.12
	Red Marr	0.36	0.36	0.16	0.21	0.11
Ratio of Cs-137 to Ru-106	Lungs	2.73	2.76	0.04	0.01	8.54
	Red Marr	2.75	2.74	6.43	4.69	8.87

Dose Conversion Factors in Federal Guidance Report 11

		inhalation (chronic)
Ru-106	Lungs D	1.80E-08
	Red Marr D	1.37E-08
	Lungs W	2.11E-07
	Red Marr W	4.06E-09
	Lungs Y	1.04E-06
	Red Marr Y	1.76E-09
Cs-137	Lungs	8.82E-09
	Red Marr	8.30E-09
Ratio of Ru-106 to Cs-137	Lungs D	2.04
	Red Marr D	1.65
	Lungs W	23.92
	Red Marr W	0.49
	Lungs Y	117.91
	Red Marr Y	0.21

Inventories in the spent fuel pool at 1 year after final shutdown:

Ru-106 5.77E+17 Bq
Cs-137 8.38E+17 Bq

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