^{135}Cs

Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	2.3×10^{6} Years
Origin [1]	Activation [fission]
Principal decay mode [1]	Beta
Specific activity [2]	4.44×10^{7} Bq g^{-1}
Freshwater Kd [3]	2.9×10^{4} L kg^{-1}
Marine Kd [4]	2.0×10^{3} L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	6.3×10^{-2} L kg^{-1}
CR Freshwater fish [3]	3.0×10^{3} L kg^{-1}
CR Marine fish [4]	1.0×10^{2} L kg^{-1}
F_f Cow meat [3]	2.2×10^{-2} d kg^{-1}
F_m Cow milk [3]	4.6×10^{-3} d L^{-1}
Human fractional absorption (f1) [5]	1
Inhalation dose coefficient [6]	8.6×10^{-9} Sv Bq^{-1}
Ingestion dose coefficient [6]	2.0×10^{-9} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 2 (0.1) days , b: 110 (0.9) days
Biological half life for Cow milk	No data available
EU Food intervention limit- Dairy [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [8]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Other food [8]	1250 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [8]	12500 Bq L^{-1} or Bq kg^{-1}

^{135}Cs Nuclear data

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^{135}Cs

Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil [9]	1.92×10^{4} Bq kg^{-1}
Freshwater EMCL—Water [9]	5.52×10^{0} Bq L^{-1}
Freshwater EMCL— Sediment [9]	4.07×10^{4} Bq kg^{-1}
Marine EMCL — Water [9]	1.74×10^{2} Bq L^{-1}
Marine EMCL — Sediment [9]	1.20×10^{5} Bq kg^{-1}
CR Freshwater fish [9]	3.4×10^{3} L kg^{-1}
CR Freshwater mollusc [9]	1.3×10^{2} L kg^{-1}
CR Marine fish [9]	8.4×10^{1} L kg^{-1}
CR Marine mollusc [9]	5.0×10^{1} L kg^{-1}
Internal DCC Terrestrial mammal (rat) on soil [9]	4.0×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil	0 µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	0 µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	4.0×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	4.3×10^{-8} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	2.2×10^{-8} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	4.0×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Freshwater fish in water [9]	4.3×10^{-8} µGy h^{-1}/Bq L^{-1} water

All terms used in these tables are described in underlying documents accessed via the hyperlinks provided

Sources of data: Reference list
Data compiled: December 2013
Data updated: January 2015

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