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Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	3.23 Days
Origin [1]	Fission
Principal decay mode [1]	Beta
Specific activity [2]	3.0×10^{4} Bq/g
Freshwater Kd	No value available
Marine Kd [3]	1×10^{3} L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [4]	1.0×10^{0} L kg^{-1}
CR Freshwater fish [4]	4.2×10^{2} L kg^{-1}
CR Marine fish [4]	1×10^{3} L kg^{-1}
F_f Cow meat [4]	7.0×10^{-3} d kg^{-1}
F_m Cow milk [4]	3.4×10^{-4} d kg^{-1}
Human fractional absorption (f1) [5]	0.3
Inhalation dose coefficient [6]	2.0×10^{-9} Sv Bq^{-1}
Ingestion dose coefficient [6]	3.8×10^{-9} Sv Bq^{-1}
Biological half life for Human (adult) [7]	Bone: 5000d (0.25) , organs & tissues: 20 d (0.25)
Biological half life for Cow milk [8]	a: 1.9 days , b: 18 days
EU Food intervention limit- Dairy	No value available
EU Food intervention limit- Baby food	No value available
EU Food intervention limit- Liquid	No value available
EU Food intervention limit- Other food	No value available
EU Food intervention limit- Minor food	No value available

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Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil [9]	3.02×10^{3} Bq kg^{-1}
Freshwater EMCL—Water [9]	2.85×10^{-1} Bq L^{-1}
Freshwater EMCL— Sediment [9]	1.09×10^{3} Bq kg^{-1}
Marine EMCL — Water [9]	5.81×10^{-1} Bq L^{-1}
Marine EMCL — Sediment [9]	9.71×10^{1} Bq kg^{-1}
CR Terrestrial mammal (rat) [9]	1.9×10^{-1}
CR Freshwater fish [9]	3.3×10^{2}
CR Freshwater mollusc [9]	3.3×10^{3}
CR Marine fish [9]	6.9×10^{2}
CR Marine mollusc [9]	1.5×10^{3}
Internal DCC Terrestrial mammal (rat) on soil [9]	4.9×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [9]	3.3×10^{-5} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	5.0×10^{-4} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	4.8×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	1.4×10^{-3} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	7.0×10^{-4} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	5.3×10^{-4} µGy h-1/Bq kg-1 whole organism
External DCC Freshwater fish in water [9]	1.3×10^{-3} µGy h^{-1}/Bq L^{-1} water

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

Sources of data reference list
Data compiled: December 2013
Data updated : May 2015