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Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	7.54 x 10^{4} Years
Origin [2]	Natural
Principal decay mode [1]	alpha
Specific activity [2]	7.62 x 10^{8} Bq/g
Freshwater Kd [3]	1.9 x 10^{5} L kg^{-1}
Marine Kd [4]	5.0 x 10^{6} L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	9.9 x 10^{-2}
CR Freshwater fish [3]	1.9 x 10^{2} L kg^{-1}
CR Marine fish [4]	6 x 10^{2} L kg^{-1}
F_f Cow meat [3]	2.3 x 10^{4} d kg^{-1}
F_m Cow milk	No data available
Human fractional absorption (f1) [5]	0.0005
Inhalation dose coefficient [6]	1.4 x 10^{-5} Sv Bq^{-1}
Ingestion dose coefficient [6]	2.1 x 10^{-7} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 8000 days (0.7) bone b: 700 days (0.04) liver c: 700 days (0.16) other organs or tissues
Biological half life for Cow milk	No data available
EU Food intervention limit- Dairy [8]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [8]	1000 Bq L^{-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}

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STRATEGY FOR ALLIED RADIOECOLOGY

Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL — Soil [9]	2.7×10^{2} Bq kg^{-1}
Freshwater EMCL —Water [9]	9.5×10^{-4} Bq L^{-1}
Freshwater EMCL — Sediment [9]	1.0×10^{1} Bq kg^{-1}
Marine EMCL — Water [9]	1.8×10^{-4} Bq L^{-1}
Marine EMCL — Sediment [9]	1.5×10^{2} Bq kg^{-1}
CR Terrestrial mammal (rat) [9]	1.4×10^{-4}
CR Freshwater fish [9]	7.1×10^{2}
CR Freshwater mollusc [9]	1.0×10^{4}
CR Marine fish [9]	1.3×10^{3}
CR Marine mollusc [9]	1.7×10^{3}
Internal DCC Terrestrial mammal (rat) on soil [9]	2.7×10^{-2} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [9]	1.8×10^{-7} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	6.9×10^{-8} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	2.7×10^{-2} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	2.8×10^{-7} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	1.4×10^{-7} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	2.7×10^{-2} µGy h-1/Bq kg-1 whole organism
External DCC Freshwater fish in water [9]	2.5×10^{-7} 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: July 2014
Data updated : May 2015