

### Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	3.8 days
Origin [1]	Natural
Decay mode [1]	Alpha
Specific activity [2]	$5.69 \times 10^{15} \text{ Bq g}^{-1}$
Activity concentration in Freshwater (mean) [3]	$0.4 \text{ Bq L}^{-1}$
Activity concentration in Groundwater (mean) [3]	$20 \text{ Bq L}^{-1}$
Activity concentration in soil (mean) [3]	$25 \text{ Bq kg}^{-1}$

Parameters useful for human assessments	Value
Average air concentration population-weighted [4]	$5 \text{ Bq m}^{-3}$
Equilibrium factor (F) outside (1m) [4]	0.8
Equilibrium factor (F) inside [4]	0.4
Equilibrium average air concentration Rn and its short-lived decay products [4]	$5 \text{ Bq m}^{-3}$ (Range 1-10 $\text{Bq m}^{-3}$ )
Reference level for dwellings and other public buildings with high occupancy factors [5]	$300 \text{ Bq m}^{-3}$ ( $F=0.4$ , $7000 \text{ h a}^{-1}$ , $10 \text{ mSv a}^{-1}$ )
Inhalation dose conversion factor [6]	10-20 mSv /WLM
Nominal Risk Coefficient [6]	$5 \times 10^{-4} \text{ mSv per WLM}$

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Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil	Not available
Freshwater EMCL—Water	Not available
Freshwater EMCL— Sediment	Not available
Marine EMCL — Water	Not available
Marine EMCL — Sediment	Not available
CR Freshwater fish	Not available
CR Freshwater mollusc	Not available
CR Marine fish	Not available
CR Marine mollusc	Not available
Internal DCC Terrestrial mammal [7] <ul style="list-style-type: none"><li>• Mouse</li><li>• Rabbit</li><li>• Fox</li></ul>	$\mu\text{Gy h}^{-1}/\text{Bq kg}^{-1}$ $4.4 \times 10^{-3}$ $1.5 \times 10^{-3}$ $1.4 \times 10^{-3}$
External DCC Terrestrial mammal [7] <ul style="list-style-type: none"><li>• Mouse</li><li>• Rabbit</li><li>• Fox</li></ul>	$\mu\text{Gy h}^{-1} / \text{Bq kg}^{-1}$ $8.5 \times 10^{-4}$ $7.1 \times 10^{-4}$ $6.9 \times 10^{-4}$
Internal DCC Marine fish (benthic)	Not available
External DCC Marine fish (benthic) in water	Not available
External DCC Marine fish (benthic) at sediment interface	Not available
Internal DCC Freshwater fish (pelagic)	Not available
External DCC Freshwater fish in water	Not available

*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: November 2013  
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