

Attachment 5; Table 3 - Occurrence and Concentrations of NORM [Ref.1]

Material	K-40		Th- 232		U-238	
	% of total K	Bq/kg	ppm	Bq/kg	ppm	Bq/kg
Igneous Rock:						
Basalt (crustal)	0.8	300	3-4	10-15	0.5-1	7-10
Mafic	1.1	300	2.7	10	0.9	10
Salic	4.5	1400	20	80	4.7	60
Granite (crustal)	> 4	> 1000	17	70	3	40
Sedimentary rocks						
Shale	2.7	800	12	50	3.7	40
Sandstones						
Clean quartz	< 1	< 300	< 2	< 8	< 1	< 10
Dirty quartz	2	400	3-6	10-25	2-3	40
Arkose	2-3	600-900	2	< 8	1-2	10-25
Beach sands	< 1	< 300	6	25	3	40
Carbonate rocks	0.3	70	2	8	2	25
All rocks	0.3-4.5	70-1400	2-20	7-80	0.5-4.7	7-60
Continental crust	2.8	850	10.7	44	2.8	36
Soil	1.5	400	9	37	1.8	22