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ERRATUM

Erratum to: Assessment of NORM at diamond cement factory and its effects in the environment

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1. Equation 3: The correct equation

$$D = 0.666A_{Th} + 0.429A_U + 0.042A_K \quad (3)$$

where 0.666 Sv Bq^{-1} is the dose constant for ^{232}Th, 0.429 Sv Bq^{-1} is the dose constant for ^{238}U, 0.042 Sv Bq^{-1} is the dose constant for ^{40}K and A_K, A_U and A_{Th} are the specific activities of K, U and Th, respectively.

2. Table 3: pH values corrected as shown in the table below

Table 3 Activity concentrations (Bq/kg) and the average annual effective doses (Sv/year) of ^{238}U, ^{232}Th, ^{40}K in the water samples with the respective average values

Location code	Specific activities (Bq/kg)			pH	Annual effective dose (mSv)
	^{238}U	^{232}Th	^{40}K		
WS_1	0.782 ± 0.046	8.390 ± 0.138	281.371 ± 11.78	5.0	0.118 ± 0.011
WS_2	0.163 ± 0.010	7.480 ± 0.119	77.894 ± 4.02	4.6	0.094 ± 0.009
WS_3	0.334 ± 0.020	6.990 ± 0.227	201.732 ± 23.02	8.1	0.287 ± 0.032
WS_4	1.028 ± 0.090	7.440 ± 0.520	134.789 ± 10.02	7.0	0.261 ± 0.016
WS_5	0.361 ± 0.016	8.000 ± 0.370	110.409 ± 7.56	6.5	0.241 ± 0.029
WS_6	0.207 ± 0.011	7.860 ± 0.120	112.753 ± 8.74	5.2	0.131 ± 0.044
WS_7	0.303 ± 0.018	5.470 ± 0.920	114.540 ± 13.53	5.0	0.125 ± 0.006
Average					0.179 ± 0.080

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Thus, Fig. 2 will also change as such.

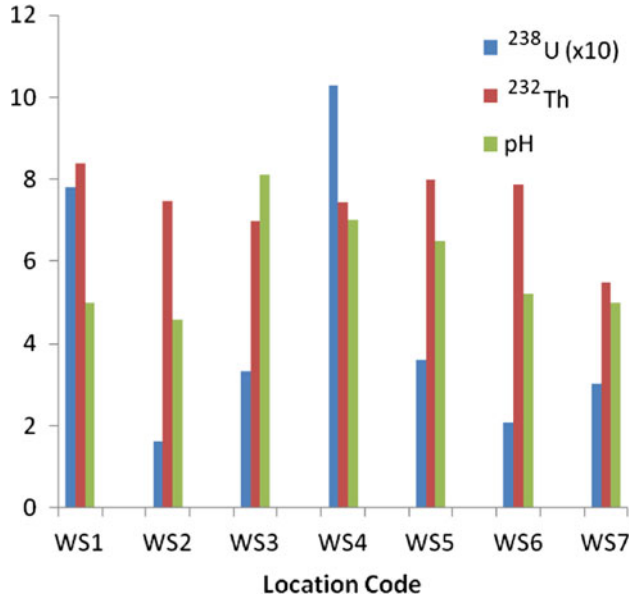

Fig. 2 Distribution levels of ^{238}U and ^{232}Th compared to pH level