

The Cost Per Minute Radiation Chart

Counts Per Minute CPM	Micro Sieverts per hour uSv/hr	Milli Sieverts Per year	Background Radiation Level Guide for detections 1 meter above ground
12	0.10	0.88	Average background, pre Fukushima Japan .081 uSv/hr, Australia .17 uSv/hr,
25	0.21	1.83	0.23 uSv/hr world average, USA average 0.34 uSv/Hr,
50	0.42	3.65	It is normal to occasionally get short duration peaks above normal background for any location.
60	0.5	4.34	Larger peaks of longer duration indicate detection of a hot spot, or a cloud of radiation is passing through!
100	0.83	7.3	Larger peaks of longer duration indicate detection of a hot spot, or a cloud of radiation is passing through!
150	1.25	10.95	Detections 1.0 uSv/hr and above you are getting into the very dangerous area of detection, shelter or leave immediately!
500	4.17	36.5	Even more dangerous, shelter or leave immediately!

Know what your local average background radiation level was pre Fukushima. Radioactive particulate inhalation is a very big risk in any area where you detect above your normal background radiation for any length of time. Leave the area or shelter until it passes if you are getting detections in the yellow, to red zones. World average yearly individual dose is 2 mSv/year. **Every circumstance is different. This is a guide not a bible, any increase in your background radiation level increases risk.**