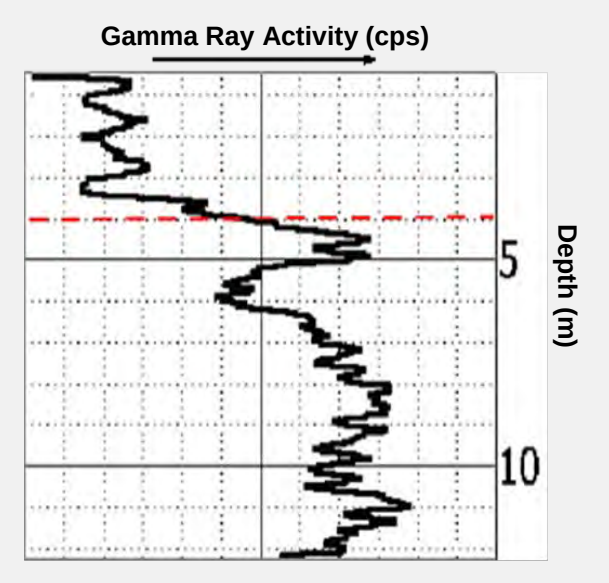
Geophysics and Geology

Borehole Gamma

The natural gamma tool measures gamma photons that are emitted from the decay of naturally occurring radioisotopes. It is useful over a wide range of hole diameters and is the most commonly acquired log in a borehole. The log is useful for distinguishing between sand-rich and clay-rich formations under typical conditions (exceptions do exist, however) and is used in conjunction with other logs to aid in lithologic interpretation and for correlation between boreholes.



More information on natural gamma logs is available from the Federal Highway Administration at the following link:

http://www.cflhd.gov/resources/agm/geoApplications/BoreholeMethods/1042NuclearLogging.cfm#10421