

HLW geological disposal and the seismic activity in the Japanese Islands

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The capability of the HLW geological disposal in Japan is discussed from the viewpoint of earthquake science. Although the tectonic movements in the most parts of the Japanese Islands seem to have been stable for the last ca. 0.5 My and the regions with many and few active faults are apparently separated, it should be noted that large-scale seismic faultings can take place and have actually occurred in regions without any active faults. In order to clarify whether we can select suitable safe places for the geological disposal in the Japanese Islands, further intensive and extensive basic studies on earthquake generation physics and seismotectonics are required.