

Geological Disposal -Report from the subsurface environment committee, the Japan Society of Civil Engineers-

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Subsurface Geological Environment Committee in the Japan Society of Civil Engineers discussed geological disposal of high-level radioactive wastes since 1997; what is the geological basis necessary for site characterization, what is the suitable geological environment, and whether long-term prediction of geological environment is possible. The main themes discussed are as follows:

1. Geological phenomena related to long-term stability of geological environment: igneous activities, faults and earthquakes, upheaval and subsidence, erosion, and sea-level and climatic changes
2. The other geological phenomena and physical properties: lithology and extent of rocks, strength of rocks, hydrogeology and geochemistry, and so on.