

Methodology of research techniques for possibility evaluation of submarine groundwater discharge at a coastal site

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Submarine groundwater discharge (SGD) is now recognized as one of a possibility pathway of nuclide migration between land and sea where geological disposal site for HLW located at a coastal region in Japan. In this study, we tried to systematize the methods of research techniques for possibility evaluation of SGD toward application of research programme in geological disposal. For possibility evaluation of SGD in research of geological disposal, it is important to estimate the hydrogeological structure at a coastal region including the long-term change of the groundwater flow as to migration of seawater/fresh water interface according to sea-level and geomorphological change.