

Study on Regional Groundwater Flow System for regulatory works on Geologic Disposal

Hideo Kimura[1]; Masahiro Munakata[1]; Ikuo Hanatani[1]; Ryutaro Sakai[1]; Maki Namekawa[1]; Hisashi Matsuba[1]

[1] JAEA

Site selection of high-level radioactive waste geologic disposal on the detailed site investigation will be performed in the early of Heisei 20 years. In such case, the regulatory authority will be need to be concerned on the safety of geologic disposal, migration of radionuclides by groundwater flow from the disposal facility to human environment on the ground surface is very important key issue. We have been developed for the safety assessment methodologies of the regional groundwater flow on the geologic disposal site taking account of the naturally occurring events such as up-lift and erosion, variation of sea level.