G121-P013 Room: Poster Session Hall Time: May 20

Study on Potential Effect of Natural Phenomena on a HLW Disposal System -Setting of Nuclide Transport Parameters

Takeshi Ebashi[1]; Akira Kitamura[1]; Makoto Kawamura[1]; Takao Ohi[1]; Hitoshi Makino[2]; Susumu Kawachi[2]; Tsuneari Ishimaru[1]

[1] JAEA; [2] JAEA

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The arrangement technique about the relation of change of Thermal - Hydrological - Mechanical - Geochemical (hereafter, T-H-M-C) and change of a Nuclide Transport Parameters which are needed in order to evaluate the influence of the safety on a HLW disposal system by the natural phenomena is reported.

On the occasion of this examination, it was presupposed that the relation between the parameters used in Nuclide Transport Analysis and T-H-M-C is arranged by the 2-dimengional matrix.

While becoming possible to also clarify informational importance and informational excess and deficiency by carrying out information arrangement using such a matrix, it became possible to grasp the experiment data about the nuclide shift parameter about the information arranged, the existence of a theoretical formula, the variation of accuracy, etc.

By feeding back such information to neotectonic research or radionuclide migration research, we will be able to contribute efficient planning of future research such as natural phenomena, performance assessment, radionuclide migration, and etc.