

Study on Evaluation Method for Potential Effect of Natural Phenomena on a HLW Disposal System -Application to Volcanism-

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JNC developed a scenario construction method for the effects on a HLW disposal system condition and performance. This method is composed of the following five steps.

- step 1: Description of potential processes of natural phenomena
- step 2: Description of potential change of geological environment in the perspective of T-H-M-C: Thermal - Hydrological - Mechanical - Geochemical.
- step 3: Typification of scenarios based on similarity of the change of geological environment.
- step 4: Set up models and parameters for impact analysis.
- step 5: Calculation and assessment

In this poster, show the application to volcanism of this method.