

Activity for Safety Assessment of CCS at RITE

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The development of fundamental technology is essential for the practical use of the carbon dioxide capture and storage (CCS) technology.

RITE carried out the demonstration test of CO₂ injection in Nagaoka, in which 10,000 tons of CO₂ was injected, and had developed monitoring and simulation technologies. Based on the findings obtained by the test, RITE develops technologies of simulation of long-term behavior of CO₂, monitoring, and environmental assessment as the safety assessment technologies in present. In addition, RITE clarifies the criteria of site selection for CCS and the storage potential of the coast regions near CO₂ emission sources, and researches to acquire the public acceptance.

In this presentation, we will introduce the activity for safety assessment of CCS at RITE, and the subjects for the practical use will be discussed.

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