The Nuclear Regulation Authority received a report from Japan Atomic Energy Agency regarding the results of comprehensive evaluation on the integrity of the nuclear facility using seismic response analysis.

In Tohoku District-Off the Pacific Ocean Earthquake in 2011, the maximum acceleration observed in part of Tokai reprocessing facility had exceeded maximum response acceleration to the design basis ground motion. NISA directed JAEA to report the results of comprehensive evaluation on the integrity of Tokai reprocessing plant by September 28, 2012 (Already announced on August 30, 2011).

Today (September 28, 2012), NRA received a report responding to NISA’s direction.

1. Course of Event:

Regarding Tohoku District-Off the Pacific Ocean Earthquake in 2011, NISA received a report from JAEA regarding the “earthquake observation record” and “a plan of comprehensive evaluation of the integrity of the facility with using seismic response analysis, etc.” in Tokai Research and Development Center Nuclear Fuel Cycle Engineering Laboratories Tokai Reprocessing Plant (hereinafter refer to as Tokai Reprocessing Plant).

JAEA stated in this report that the maximum acceleration observed in part of Tokai reprocessing plant had exceeded maximum response acceleration to the design basis ground motion.

Therefore, NISA directed JAEA to conduct the comprehensive evaluation on the integrity of Tokai Reprocessing Plant and to report NISA the evaluation results by September 28, 2012 (Already announced on August 30, 2011).

Responding to this, JAEA stated in their report submitted to NRA today (September 28, 2012) that the comprehensive evaluation had not completed yet as scheduled. Their report contains the progress of evaluation to date and the review of the future processes.
2. Actions taken by NRA

NRA will confirm the reasons why JAEA failed to complete the comprehensive evaluation on the integrity of Tokai Reprocessing Plant and its effect, and also confirm to suitably conduct evaluation of the integrity of the plant according to the reviewed evaluation process.

At the point of the completion of the comprehensive evaluation, NRA will strictly verify the validity of the evaluation results reported by JAEA.

Attached: Report on “Regarding the response in light of the report on earthquake observation data and tsunami inspection results in Tokai Research and Development Center Nuclear Fuel Cycle Engineering Laboratories Tokai Reprocessing Plant at the time of Tohoku District Off-the Pacific Ocean Earthquake, and the brief survey results on the integrity of the plant and a plan of detailed future inspection and evaluation (Direction)”