Regarding Evaluation and Instructions of Reports from General Electricity Utilities, etc related to State of Implementation of Securing Reliability of External Power Supply for Nuclear Power Stations and Reprocessing Facilities

On April 15, 2011, the Nuclear and Industrial Safety Agency (NISA) directed Electricity Utilities, etc. to seek secure reliability of external power supplies for their nuclear power stations and reprocessing facilities, and to report the state of implementation for their actions by May 16, 2011. Accordingly, NISA received the reports from General Electricity Utilities, etc. regarding their states of implementation for their actions (as informed to the public on April 15 and May 16).

This is to inform the public that NISA conducted evaluations based on the content of each report and NISA issued further directions to take seismic measures for the switching yards, etc., considering the evaluation results.

1. In view of the stoppage of the electric power system that supplied the external power to nuclear power stations and reprocessing facilities (hereinafter, “NPS, etc.”), following a ground fault in a certain part of the system due to the occurrence of the earthquake off the coast of Miyagi Prefecture on April 7, 2011, NISA issued directions about 4 topics to General Electricity Utilities, etc. to: (1) evaluate the reliability of electric power systems that supply external power for NPS, etc. and implement
measures to improve reliability; (2) connect each unit to all the transmission lines linked to the plural power lines; (3) evaluate seismic adequacy etc. of transmission steel towers (power lines) and implement measures for improvement; and (4) implement measures against tsunami impacting on switching yards (internalize, improve water-tightness, etc.). (as reported on April 15)

2. On May 16, 2011, NISA received from General Electricity Utilities, etc. the reports as per NISA’s directions regarding the NPS, etc. other than Fukushima Dai-ichi NPS and Fukushima Dai-ni NPS. (As reported on May 16.)

3. This is to inform the public that NISA evaluated the content of the subject reports, as shown in the attachments. On a separate note, regarding the response related to securing reliability of external power supply for the Fukushima Dai-ni NPS, considering the situation for recovering the facilities and the state of implementation, etc. of the necessary emergency safety measures for cold shutdown of the reactor are ongoing at the same NPS, NISA is planning to receive a report from TEPCO soon. Furthermore, NISA directed General Electricity Utilities, etc. to submit reports by July 7 regarding the state of implementation related to the measures to be taken considering the evaluation of impact on the possibility for destruction or damage to arise a malfunction of the electric facilities, such as the switchyard, etc., considering the results of the analysis of the seismic observation records registered at TEPCO’s Fukushima Dai-ichi NPS.
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