June 8, 2011
Nuclear and Industrial Safety Agency

Seismic Damage Information (the 163rd Release)
(As of 12:00 June 8, 2011)

Nuclear and Industrial Safety Agency (NISA) confirmed the current situation of Onagawa NPS, Tohoku Electric Power Co. Inc.; Fukushima Dai-ichi and Fukushima Dai-ni NPSs, Tokyo Electric Power Co. Inc. (TEPCO); Tokai Dai-ni NPS, Japan Atomic Power Co. Inc. as follows:

Major updates are as follows.

1. Nuclear Power Stations (NPSs)
   ● Fukushima Dai-ichi NPS
     - In order to add a second pump to the Residual Heat Removal Seawater System (RHRS) of Unit 5, the Residual Heat Removal System (RHR) pump and the RHRS pump were stopped. (08:46, 09:05 June 8) The first RHRS pump was activated (at 11:32 on the same day) and the second RHRS pump was activated (at 11:52 on the same day). The RHR pump was activated (at 12:35 on the same day).
     - Full-scale implementation of spraying an anti-scattering agent to prevent the spread of radioactive materials was carried out by workers in an area of about 8,750m² at the Observation Deck, on the north side of the Large Size Equipment Inspection Building, around the Main Gate, and on the south side of the Training Building. (From 09:00 till 13:00 June 7)
     - Removal of rubble (an amount equivalent to 10 containers) was carried out using remote-controlled heavy machinery. (From 09:00 till 16:00 June 7)

2. Actions Taken by NISA (June 7)
   - The Ministry of Economy, Trade and Industry (METI) directed each electric utility company, etc. to implement the following items as measures to be carried out immediately amongst those against severe accidents in other NPSs, considering the 2011 accident at Fukushima
Dai-ichi NPS of TEPCO:
- secure the working environment in the Main Control Room,
- secure the means of communication inside the NPS premises in case of emergency,
- secure supplies and equipment such as high-level radiation protective gear, and develop a system for radiation dose management,
- establish measures to prevent hydrogen explosion, and
- deploy heavy machinery for removing rubble.

(June 7)
- On May 16, NISA received reports from General Electric Utilities and other organizations concerned (excluding Fukushima Dai-ichi and Dai-ni NPS) about measures to ensure the reliability of external power supplies to the NPSs and reprocessing facilities, which were made out under a written direction by NISA dated April 15. As a result of evaluating these reports, NISA directed these utilities and organizations to evaluate the impact of a possible collapse or damage that may cause the loss of functions in electric facilities such as switchyards considering the result of analysis on seismic observation records from Fukushima Dai-ichi NPS of TEPCO. The utilities and organizations were also directed to report the implementation status of establishing measures based on these evaluation results.

(June 8)
- METI instructed TEPCO to report the following items related to the improvement of working environment inside the reactor building of Unit 2, Fukushima Dai-ichi NPS, pursuant to Article 67, paragraph 1 of the Nuclear Regulation Act:
  (1) the result of evaluation on the content of the work, the work plan, and the necessity of the work related to the ventilation of the reactor building of Unit 2, Fukushima Dai-ichi NPS, taking into account the availability of any alternative means,
  (2) the result of the environmental impact assessment on the surrounding area of the NPS including the amount of discharge and the estimated diffusion of radioactive materials in connection to works for ventilation of the reactor building of Unit 2, Fukushima Dai-ichi NPS,
(3) the monitoring method to adequately assess the environmental impact of radioactive materials discharged on the surrounding area of the NPS, in case the work described in (2) is implemented, and (4) the method of managing radiation exposure of workers who would conduct works, etc. after ventilating the reactor building of Unit 2, Fukushima Dai-ichi NPS.

<Temporary Access to Restricted Areas>
On June 8, residents were allowed temporary access into Minamisoma City, Tomioka Town and Naraha Town.

For more information: NISA English Home Page