

September 27, 2011
Nuclear and Industrial Safety Agency

Seismic Damage Information (the 263rd Release)

(As of 14:00 September 27, 2011)

The Nuclear and Industrial Safety Agency (NISA) confirmed the current situation of Onagawa Nuclear Power Station (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 (TEPCO)
 - In the plenary meeting of Government-TEPCO Integrated Response Office held at 18:00 on September 25, NISA orally gave the following instructions to TEPCO.
 - (1) For the CCS line, the overall work shall be carried out after the hydrogen concentration is measured and appropriate actions, such as discharge and replacement of hydrogen, are taken.
 - (2) For other lines, the hydrogen concentration shall be deliberately measured before starting the work, because a possibility of the accumulated hydrogen cannot be eliminated.
 - (3) Efforts shall be made to measure the hydrogen concentration in the PCV.
 - (4) Similar actions shall also be taken for Units 2 and 3.
 - The water injection rate into the reactor of Unit 2 via the core spray line was adjusted from 5.0m³/h to 6.0m³/h (at 15:05, September 26).
 - Hydrazine was injected into the spent fuel pool of Unit 4 via the alternative cooling system of the spent fuel pool (from 13:57, September 27).
 - On the second floor of the turbine building of Unit 5, while extracting the lubricant for the overhead travelling crane into a steel drum in order to inspect the crane, a TEPCO worker found a spillover from the steel drum on the floor (at around 11:05, September 27).
 - The accumulated water in the basement of the turbine building of Unit 6

- was transferred to a temporary tank (from 10:00 to 16:00, September 26).
- Rubble was removed with remote-controlled heavy machinery (an amount equivalent to five containers, from 08:45 to 16:15, September 26).
 - The circulating seawater decontamination device was temporarily suspended due to maintenance (from 10:00, September 17 to 12:00, September 26).
 - The pumps in the one line of the cesium adsorption device were suspended (at 18:17, September 26).
 - The cesium adsorption device was suspended due to the work for the monitoring system of the water treatment facility (from 08:27 to 11:20, September 27).
- Fukushima Dai-ichi NPS (TEPCO)
- RHR (B) of Unit 1 was suspended due to the work of laying power cables (from 06:25 to 16:15, September 26). DG (B) of Unit 1 and RHR (B) of Unit 2 were placed in a non-standby state (RHR (B): from 06:12 to 15:31, and DG (B): from 06:31 to 14:20 of the same day, respectively).

<Possibility of Exposure (exposure of workers and others)>

2. Exposure of employees

- At around 11:05 on September 26, one subcontractor worker injured the fourth finger of the left hand by catching it between steel plates while working on the NPS premises (outdoors). Although once having returned to the office outside the premises, the worker moved to the emergency medical office at Units 5 and 6 (on the premises) wearing a surgical mask. Since radioactive materials might have been taken into the body, the worker was examined by the whole-body counter, and consequently it was confirmed that no radioactive materials were taken in. Further, no contaminants were identified on the surgical mask and the body surface.

For more information: NISA English Home Page
<http://www.nisa.meti.co.jp/english/index.html>