Seismic Damage Information (the 309th Release)
(As of 12:00 December 5, 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)
     - The amount of nitrogen injection into the RPV of Unit 1 was increased (from 5m³/h to 10m³/h) (from 10:28 to 10:44, December 5).
     - The alarm to indicate a large difference between the flow rates at the inlet and outlet of the primary pump went off at the alternative cooling system for the spent fuel pool of Unit 2 and the system shut off automatically (at 23:13, November 30). No malfunction such as leakage was found as a result of on-site inspection (at 23:34 on the same day). The temperature rise during suspension was about 0.3 degrees Celsius per hour. As it was assumed that air or foreign substances had been mixed in the detection line as a result of investigation, flushing and water filling with clean water were conducted and cooling of the system was resumed (at 13:50, December 2).
     - Dust was sampled on the top of the reactor building of Unit 2 (from 12:00 to 14:00, December 2).
     - The accumulated water in the basement of the turbine building of Unit 3 was transferred to the building of miscellaneous solid waste volume reduction facilities (from 09:25, November 15 to 10:31, December 5).
     - The alternative cooling system for the spent fuel pool of Unit 3 was suspended due to replacement of the primary strainer (at 18 degrees Celsius; the temperature rise during suspension was 0.2 degrees Celsius per hour ) (from 09:01 to 15:36, December 2).
     - The amount of nitrogen injection into the RPV of Unit 3 was increased
Dust was sampled on the top of the reactor building of Unit 3 (from 10:35, December 5).

Due to clean-up work at the seawater pump room of Unit 5,
- The RHR (D) pump of Unit 5 was suspended and the reactor cooling was suspended (reactor water temperature: 25.5 degrees Celsius) (from 06:30 to 17:42, December 2, from 06:30 to 16:59, December 3, from 06:30 to 17:49, December 4 and from 06:30, December 5).
- The ASW (C) pump of Unit 5 was suspended and the spent fuel pool cooling was suspended (spent fuel pool temperature: 24.9 degrees Celsius) (from 06:33 to 17:19, December 2, from 06:32 to 16:39, December 3, from 06:36 to 17:27, December 4 and from 06:35, December 5) (23.8 degrees Celsius).

The accumulated water in the basement of the turbine building of Unit 6 was transferred to a temporary tank (from 10:00, December 1 to 16:00, December 2 and from 10:00, December 5).

The display at the monitoring post No. 8 which measures the dose rate on the site of the NPS was found to be “Missing” (at 17:48, December 3). Since the function of the monitoring post could not be subsequently restored, alternative measurement by the dosimeter which concurrently measures the rate near the monitoring posts No. 7 and No. 8 was conducted. (No changes compared to the previous day’s values have been identified in the latest value.)

Due to power supply switching work following the completion of on-site power supply board expansion work,
- The evaporation concentration device was suspended (from 18:00, December 2 to 14:34, December 3).
- The desalination device was suspended (from 08:04 to 13:30, December 3).
- The cesium adsorption device was suspended (from 08:30 to 14:22, December 3).

The circulating seawater decontamination system was suspended for maintenance (from 09:47, December 3).

Accumulation of water near the evaporation concentration device was identified at the weir (around 11:33, December 4). The evaporation concentration device 3A was suspended (at 11:52 on the same day) and the leakage was considered to have been stopped (at 12:14 on the same day). It was confirmed that the leaked water through cracks in the concrete flowed into the ditch outside the weir as a result of subsequent investigation.
(around 14:30 on the same day). The outward flow of the leaked water was stopped by sandbagging the leak point in the concrete and the ditch, then the leaked water accumulated in the weir was transferred to the liquid waste RO supply tank by submersible pumps and other equipment (from 18:10 to 22:20 on the same day). In addition, as the ditch was confirmed to be connected to the general drainage channel on the premises, nuclide analysis was conducted for the water in the general drainage channel and the seawater near the south outlet, which is positioned near the outlet of the general drainage channel. As a result, although the value for the general drainage channel was at the same level with the value stipulated in the Notice on the dose limit, subsequent value was less than the detection limit. The value for the seawater near the south outlet was at the same level with the value obtained from the latest analysis or slightly higher than that.

- The decontaminated accumulated water of Units 5 and 6 was sprayed on the premises (from 09:10 to 10:55, December 5).

- Fukushima Dai-ni NPS (TEPCO)
  - The D/G (A) of Unit 3 was transferred to out-of-service due to inspection of the fuel transfer pump motor (from 09:37, December 5).

<Temporary Access to Restricted Areas>
- Residents were allowed temporary access in the following cities and towns:
  2) Second round (by private car)
     Tomioka Town (on December 3)
     Okuma Town (on December 3)
     Naraha Town (on December 4)
     Futaba Town (on December 4)

<Instructions on Food and Drink>
- Addition of restrictions on shipment
  - On December 2, meat of wild boars captured in Koriyama City, Sukagawa City, Tamura City, Kagamiishi Town, Ishikawa Town, Asakawa Town, Furudono Town, Miharu Town, Ono Town, Ten-ei Village, Tamakawa Village, Hirata Village, Shirakawa City, Yabuki Town, Tanakura Town, Yamatsuri Town, Hanawa Town, Saigo Village, Izumizaki Village, Nakajima Village, Samekawa Village and Iwaki City in Fukushima Prefecture
  - On December 2, meat of wild bears captured in Fukushima City,
Nihonmatsu City, Date City, Motomiya City, Koriyama City, Sukagawa City, Tamura City, Shirakawa City, Koori Town, Kunimi Town, Kawamata Town, Miharu Town, Ono Town, Kagamiishi Town, Ishikawa Town, Asakawa Town, Furudono Town, Yabuki Town, Tanakura Town, Yamatsuri Town, Hanawa Town, Otama Village, Ten-ei Village, Tamakawa Village, Hirata Village, Saigo Village, Izumizaki Village, Nakajima Village and Samekawa Village in Fukushima Prefecture

- On December 2, meat of wild boars and deer captured in Tochigi Prefecture
- On December 2, meat of wild boars captured in Ibaraki Prefecture

For more information: NISA English Home Page