June 13, 2012
Nuclear and Industrial Safety Agency

Seismic Damage Information (the 436th Release)
(As of 14:00 June 13, 2012)

The Nuclear and Industrial Safety Agency (NISA) confirmed the current situation of Fukushima Dai-ichi Nuclear Power Station (NPS), Tokyo Electric Power Co., Inc. (TEPCO) as follows:

Major updates are as follows:

1. Nuclear Power Stations (NPSs)
   - Fukushima Dai-ichi NPS (TEPCO)
     - Concerning the amount of water injection into the reactor in Unit 2, the flow rate from the core spray line was adjusted from 6.0 m$^3$/h to 5.5 m$^3$/h in order to maintain a margin to a certain extent to the temperature limits of the PCV and RPV temperatures in summer (from 15:25 to 15:45, June 12).
     - Concerning the amount of water injection into the reactor in Unit 3, the flow rate from the feedwater line was adjusted from 1.9 m$^3$/h to 2.9 m$^3$/h in order to maintain a margin to a certain extent to the limits of the PCV and RPV temperatures in summer (from 14:47 to 15:43, May 29). Later, the flow rate from the core spray line was adjusted from 2.8 m$^3$/h to 3.5 m$^3$/h (from 15:25 to 15:45, June 12).
     - In the alternative cooling system of the spent fuel pool in Unit 4, it was confirmed that the secondary circulation pump tripped on overload (at 20:03, June 4). There was no increase in the pool temperature due to activation of the other secondary circulation pump (at 20:27 on the same day). In the site confirmation, a burnt trace was identified near the pump motor, and therefore, the fire station was called (at 21:27 on the same day). The fire station judged that it was not a “fire” (at 23:30 on the same day). Also, in order to investigate the probability of similar incidents, the other secondary circulation pump was suspended (at 10:30, June 5). It was confirmed that the terminal connection part had some insufficiency from workmanship and repair work was being underway. (The secondary circulation pump of the alternative cooling system in Unit 1 will be later inspected because its structure is similar to the above pump.) As the repair
work of the terminal connection part has been completed, and the pump has
resumed its operation (at 18:16, June 6). The power cable and the motor of
the secondary circulation pump, which was then in the condition of
overloaded trip, have been changed, and then the pump has been activated
(at 11:32, June 13).

<Instructions on Foods>
- Instruction of restriction on shipments (June 12)
- Dace (Ugui) caught in the Kesen-numa River (including river branches) in
  Iwate Prefecture

For more information: NISA English Home Page