Plant Status of Fukushima Daiichi Nuclear Power Station

May 16 2012
Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of May 16 at 11:00 am)

Unit	Status of Water Injection		Bottom Temperature of Reactor Pressure Vessel	Pressure of Primary Containment Vessel*1	Hydrogen Density of Primary Containment Vessel
Unit 1	Injecting Fresh Water	Core Spray System: Approx. 2.0 m^3/h Feed Water System: Approx. 4.6 m^3/h	30.9 ˚C	105.3 kPa abs	A system:0.00 vol% B system:0.02 vol%
Unit 2	Injecting Fresh Water	Core Spray System: Approx. 5.7 m^3/h Feed Water System: Approx. 3.0 m^3/h	48.7 ˚C	15.18 kPa g	A system:0.37 vol% B system:0.36 vol%
Unit 3	Injecting Fresh Water	Core Spray System: Approx. 5.0 m^3/h Feed Water System: Approx. 2.0 m^3/h	59.5 ˚C	0.28 kPa g	A system:0.17 vol% B system:0.17 vol%

*1: absolute pressure (kPa abs) = gauge pressure (kPa g) + atmosphere pressure (normal atmosphere pressure 101.3 kPa).

<2. Status of the Spent Fuel Pool > (As of May 16 at 11:00 am)

Unit	Cooling Type	Status of Cooling	Temperature of Water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	20.5 ˚C
Unit 2	Circulating Cooling System	Under operation	22.0 ˚C
Unit 3	Circulating Cooling System	Under operation	21.3 ˚C
Unit 4	Circulating Cooling System	Under operation	31 ˚C

<3. Status of Water Transfer from the Basement Floor of the Turbine Building etc.>

Unit	Draining Water Source →	Place Transferred	Status
Unit 2	Unit 2 T/B →	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	5/15 8:35 AM – Being transferred
Unit 3	Unit 3 T/B →	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	5/15 8:58 AM – Being transferred
Unit 6	Unit 6 T/B →	Temporary tank	5/16 10:00 AM to 4:00 PM - Transferred

【Unit 3】 8:05 AM on May 11: Transfer of the accumulated water in the pit to Unit 2 Turbine Building basement was started in order to fill concrete in the pit of Unit 3 circulating water pump discharge valve. At 11:45 AM on the same day, transfer was stopped. Since groundwater may flow into the pit when the water level becomes low, water transfer may be done as necessary.

<4. Status of the Treatment Facility and the Storage Facility > (As of May 16 at 7:00 am)

Facility	Cesium Adsorption Apparatus	Secondary Cesium Adsorption Apparatus (SARRY)	Decontamination Instruments	Water Desalinations (Reverse Osmosis Membrane)	Water Desalinations (Evaporative Concentration)
Operating status	Shutdown	Operation*	Shutdown	Operating intermittently according to the water balance	Operating intermittently according to the water balance

* Cleaning of filter is in progress.

- June 8, 2011 -: Large tanks to store contaminated and decontaminated water are transported and installed.

<5. Others>

- October 7, 2011 - : Continuously implementing water spray using water after purifying accumulated water of Unit 5 and Unit 6 to prevent spontaneous fire of trimmed trees and diffusion of dust.
- February 23, 2012 - : Test of drawing water in the Unit 6 sub drain to the temporary tank through the temporarily storage tank was implemented.
- March 6, 2012 - : Test of drawing water in the Unit 5 sub drain to the temporary tank through the temporarily storage tank was implemented.
- March 14, 2012 - : In order to prevent the diffusion of ocean soil, we started the full-scale covering work of seafloor by solidification soil (covering material).
- April 25, 2012 - : For the purpose of preventing further contamination to the ocean through grounder water, we started a full-scale construction of water shielding wall.
- May 16, 2012

  Around 1:30 PM: We found that data was missing in the portable monitoring post at the main entrance of the power station. Upon investigation, it was assumed that the issue is caused by abnormality of the transmission system between the Main Anti-Earthquake Building and the monitoring post, as the reading was confirmed.

  At 3:00 PM: The monitoring panel was reset for recovery and the monitoring post started working properly. The missing data (at 2:00 PM and 2:30 PM) was acquired by dose rate measurement, and the result showed the same level of dose rate as that of before the issue arose (Approx. 22μSv/h).

END