Plant Status of Fukushima Daiichi Nuclear Power Station

April 16, 2012
Tokyo Electric Power Company

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

Unit	Status of water injection		Reactor pressure vessel bottom temp.	Pressure of primary containment vessel*1	Hydrogen density of primary containment vessel
Unit 1	Injecting Fresh water	Core Spray System: Approx.1.7 m^3/h Feed Water System: Approx.4.8 m^3/h	26.4 ˚C	107.0 kPa abs	A system:0.02 vol% B system:0.04 vol%
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.0 m^3/h Feed Water System: Approx.2.7 m^3/h	45.4 ˚C	29.64 kPa g	A system:0.20 vol% B system:0.19 vol%
Unit 3	Injecting Fresh water	Core Spray System: Approx.5.2 m^3/h Feed Water System: Approx.1.8 m^3/h	55.8 ˚C	0.28 kPa g	A system:0.21 vol% B system:0.19 vol%

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

[Uniti 2]

9:00 pm on April 14 We confirmed that the temperature increase rate at the reactor pressure vessel was high (around 135 degrees C at top of bottom head). From 10:36 pm to 10:57 pm, we monitored the DC resistance of the meter to estimate the reliability. In the result, we judged the meter was abnormal because the DC resistance increased. At 0:20 on April 15, we exempted it from authorized monitoring meters based on the safety regulation, and use it just as a reference. Regarding the other meters, the temperature doesn't increase and there are no significant changes to the indicators of monitoring post and PCV gas control system. Therefore we continue to monitor the temperature of the reactor pressure vessel using the other meters.

<2. Status of the Spent Fuel Pool > (As of April 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	16.0 ˚C
Unit 2	Circulating Cooling System	Under operation	17.0 ˚C
Unit 3	Circulating Cooling System	Under operation	16.9 ˚C
Unit 4	Circulating Cooling System	Under operation	25˚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 (Process Main Building)]	4/13 10:29 – 4/14 15:04 Transferred
	Unit 2 T/B →	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	4/14 15:27 - Being transferred
Unit 3	Unit 3 T/B →	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	4/10 13:31- Being transferred*
Unit 6	Unit 6 T/B →	Temporary Tank	4/16 10:00 - 16:00, Transferred*

*From 12:28 to 18:04 on April 15, we transferred of the accumulated water in the circulation pump exhaustion pit of Unit 2 to the basement floor of Unit 2 turbine building (the amount of transferred water was 160m^3).

*From 8:04 on April 16, we have been transferring of the accumulated water in the circulation pump exhaustion pit of Unit 2 to the basement floor of Unit 2 turbine building.

<4. Status of the Treatment Facility and the Storage Facility > **(As of April 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	Operation	Operation *	Shutdown	Operating intermittently according to the water balance	Operating intermittently according to the water balance

* Cleaning of filter is in progress.

- From 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 15, 2012: Samplings of charcoal, particle filter and vial container of the PVC gas control system unit 3 were conducted.
- April 15, 2012: Dust samplings at the top of the reactor building unit 3 and apertural area of equipment hatch were conducted.

END