Plant Status of Fukushima Daiichi Nuclear Power Station

March 29, 2012
Tokyo Electric Power Company

<1. **Status of the Nuclear Reactor and the Primary Containment Vessel>** (As of March 29 at 11:00 am)

Unit	Status of Water injection		Reactor pressure vessel Bottom temp.	Pressure of primary containment vessel*	Hydrogen density of Primary containment vessel
Unit 1	Injecting Fresh water	Core Spray System: Approx.2.0 m^3/h Feed Water System: Approx.4.8 m^3/h	24.1 ˚C	107.5 kPa abs *2	A system:0.00 vol% B system:0.00 vol%
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.0 m^3/h Feed Water System: Approx.2.8 m^3/h	49.3 ˚C	15.69 kPa g	A system:0.26 vol% B system:0.26 vol%
Unit 3	Injecting Fresh water	Core Spray System: Approx.4.9 m^3/h Feed Water System: Approx.1.8 m^3/h	54.6 ˚C	0.30 kPa g	A system:0.19 vol% B system:0.18 vol%

*1: absolute pressure(kPa abs) = gauge pressure (kPa g) + atmosphere pressure (normal atmosphere pressure 101.3 kPa).
*2: The meters of reactor containment vessel became unmonitorable and the nearest data at 5:00 am on March 29 was shown.

【Unit 1】

- March 28 Xenon 135 measured by the noble gas monitor of the gas management system of the reactor containment vessel was 1.7–2.7 X 10^{-3}Bq/cm^3 and it doesn't exceed the recriticality limit of 1 Bq/cm^3.
- Approx. 11:00 am on March 29 It was confirmed that the meters for water level of reactor (fuel level) B, nuclear reactor containment vessel and pressure of pressure suppression room were not monitorable. These were reset, and then, were back to normal at 12:56 pm. We are investing the cause. The parameters were measured by the other meters during the unmonitorable period and no big change was confirmed. This means we don't have any safety issue.

【Unit 2】

- March 28 We conducted the sampling of gas in the gas management system of the reactor containment vessel. According to the result, Xenon 135 was below the detection limit (9.6X10^{-2}Bq/cm^3) at the entrance of the system, and it was confirmed that it didn't exceed the recriticality limit of 1 Bq/cm^3. And, Xenon 135, which was confirmed by the noble gas monitor, was below detection limit (2.3-2.5X10^{-1}Bq/cm^3) and it was confirmed that it didn't exceed the recriticality limit of 1 Bq/cm^3.

【Unit 3】

- March 28 Xenon 135, which was confirmed by the noble gas monitor, was below detection limit (3.5X10^{-1}Bq/cm^3) and it was confirmed that it didn't exceed the recriticality limit of 1 Bq/cm^3.

<**2. Status of the Spent Fuel Pool** >(As of March 29 at 11:00 am)

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	14.0 ˚C
Unit 2	Circulating Cooling System	Under operation	14.3 ˚C
Unit 3	Circulating Cooling System	Under operation	13.9 ˚C
Unit 4	Circulating Cooling System	Under operation	33.0 ˚C

【Unit 2】

- Desalination equipment has been activated in order to reduce density of salt from the spent fuel pool since 11:50 am on January 19.

【Unit 4】

- Hydrazine was injected into the spent fuel pool from 1:26 pm to 3:03 pm on March 29.

<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)］	10:14 am on March 20 - Transferring
Unit 6	Unit 6 T/B	→	Temporary tanks	10:00 am-4:00 pm on March 29 Transferred

- The accumulated water was transferred from the on-site bunker building to the process main building in the central radioactive waste treatment facility from 9:08 am to 5:25 pm on March 29.

<4. Status of the Treatment Facility and the Storage Facility >(As of March 29 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.

- 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).
- March 29, 2012:
  - 10:30 am The common diesel generator (A) started the commissioning test.
  - 1:00 pm We confirmed no operation problem and the recovery work of the diesel generator was completed.

END