Plant Status of Fukushima Daiichi Nuclear Power Station

April 4, 2012
Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of April 4 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.2.0 m^3/h	24.4 ˚C	103.2 kPa abs	A system:0.00 vol%
		Feed Water System: Approx.4.9 m^3/h			B system:0.00 vol%
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.1 m^3/h	51.1 ˚C	23.84 kPa g	A system:0.21 vol%
		Feed Water System: Approx.2.8 m^3/h			B system:0.21 vol%
Unit 3	Injecting Fresh water	Core Spray System: Approx.5.1 m^3/h	55.5 ˚C	0.26 kPa g	A system:0.19 vol%
		Feed Water System: Approx.1.9 m^3/h			B system:0.17 vol%

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

【Unit 1】 ･4/3
Xe-135 monitored by the noble gas monitoring system of the gas control system of PCV was 1.6～2.5×10^{-3}Bq/cm^3, and we confirmed it did not exceed the limit of judgment standard of recriticality, which is 1 Bq/cm^3.
【Unit 2】 ･4/3
We conducted gas sampling of the gas control system of PCV. According to our analysis, Xe-135 monitored at the entrance of the system was below the detection limit (1.1×10^{-1}Bq/cm^3), and it did not exceed the limit of judgment standard of recriticality, which is 1 Bq/cm^3.. In addition, Xe-135 monitored by the noble gas monitoring system of the gas control system of PCV was below the detection limit (2.3～2.4×10^{-1}Bq/cm^3), and we confirmed it did not exceed the limit of judgment standard of recriticality, which is 1 Bq/cm^3.
【Unit 3】 ･4/3
Xe-135 monitored by the noble gas monitoring system of the gas control system of PCV was (3.5×10^{-1}Bq/cm^3), and we confirmed it did not exceed the limit of judgment standard of recriticality, which is 1 Bq/cm^3.
【Injection of Nitrogen Gas】 ･4/4
Approx 10:55 am A TEPCO employee found the measurement flow volume of the nitrogen injection line to PCV of Unit 1-3 and RPV was 0 m^3/h. After that we checked the equipment and found the Nitrogen supply system (Nitrogen/Gas separator B) was stopped due to failure alert of compressor.
12:16 pm We started a stand-by Nitrogen supply system (Nitrogen/Gas separator A) and at 12:29 pm, we restarted the Nitrogen supply to PCV of Unit 1-3 and RPV. No significant changes of pressure of PCV of Unit 1-3 and density of Hydrogen were confirmed.

<2. Status of the Spent Fuel Pool > (As of April 4 at 11:00 am)

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	15.0 ˚C
Unit 2	Circulating Cooling System	Under operation	16.2 ˚C
Unit 3	Circulating Cooling System	Under operation	15.7 ˚C
Unit 4	Circulating Cooling System	Under operation	26˚C

【Unit 3】 ･4/4
1:50 pm In the alternative cooling system for spent fuel pool, since we observed that the suction pressure of the circulating pump of the primary system tended to decrease, we temporarily stopped cooling the spent fuel pool by stopping the operation of the pump, in order to flash the suction strainer of the pump (Water temperature in the pool at the time of stop of operation: approx. 26 ℃).
3:01 pm After the flashing, we restarted the pump and cooling the spent fuel pool, and confirmed the recovery of its suction pressure. (Water temperature in the pool at the time of stop of operation: approx. 26 ℃).

<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 3	Unit 3 T/B	→	Central Radioactive Waste Treatment Facility ［Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)］	10:08 am on April 3 - Transferring
Unit 6	Unit 6 T/B	→	Temporary tank	10:00 am to 4:00 pm on April 4 - Transferred

<4. Status of the Treatment Facility and the Storage Facility > (As of April 4 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).

END