

# Plant Status of Fukushima Daiichi Nuclear Power Station

April 26, 2012  
Tokyo Electric Power Company

## <1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of April 26 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 <sup>3</sup> /h	28.2 °C	106.7 kPa abs	A system:0.00 vol% B system:0.00vol%
		Feed Water System: Approx.4.4 m <sup>3</sup> /h			
Unit 2	Injecting Fresh water	Core Spray System: Approx.5.8 m <sup>3</sup> /h	46.6 °C	24.26 kPa g	A system:0.26 vol% B system:0.26 vol%
		Feed Water System: Approx.3.0 m <sup>3</sup> /h			
Unit 3	Injecting Fresh water	Core Spray System: Approx.5.0 m <sup>3</sup> /h	56.9 °C	0.28 kPa g	A system:0.18 vol% B system:0.16 vol%
		Feed Water System: Approx.1.7 m <sup>3</sup> /h			

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

【Unit 1】 April 26: The Xenon 135 confirmed by gas monitor of gas management system was 1.5 to 2.6 x 10<sup>-3</sup>Bq/cm<sup>3</sup> and was below the re-criticality criterion which is 1Bq/cm<sup>3</sup>.

【Unit 2】 April 26: we conducted sampling of the gas of the Unit 2 PCV gas management system. As a result of the analysis, we confirmed that at the inlet of the system Xenon 135 was below the detection limit (1.1x10<sup>-1</sup>Bq/cm<sup>3</sup>), and also below the re-criticality criterion which is 1Bq/cm<sup>3</sup>. The Xenon 135 confirmed by gas monitor was also below the detection limit (2.3 to 2.4 x10<sup>-1</sup>Bq/cm<sup>3</sup>), and also below the re-criticality criterion which is 1Bq/cm<sup>3</sup>.

【Unit 3】 April 26: The Xenon 135 confirmed by gas monitor of gas management system was below the detection limit (3.5x10<sup>-1</sup>Bq/cm<sup>3</sup>) and also below the re-criticality criterion which is 1Bq/cm<sup>3</sup>.

## <2. Status of the Spent Fuel Pool > (As of April 26 at 11:00 am)

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	18.0 °C
Unit 2	Circulating Cooling System	Under operation	20.4 °C
Unit 3	Circulating Cooling System	Under operation	19.2 °C
Unit 4	Circulating Cooling System	Under operation	28 °C

【Unit 4】 April 26, 14:42 – 16:15: hydrazine injection into the spent fuel pool

## <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)]	4/14 3:27 pm – Being transferred
Unit 3	Unit 3 T/B	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	4/20 9:33 am – 4/26 7:31 am Transferred
Unit 6	Unit 6 T/B	Temporary Tank	4/26 10:00 – 16:00 Transferred

- 4/25 15:08 – 4/26 7:38: In regard to accumulated water on the trench between process main building of Centralized Radiation Waste Treatment Facility and Miscellaneous Solid Waste Volume Reduction Treatment Building (high-temperature incinerator building), detected on December 18, 2011, it was transferred to Miscellaneous Solid Waste Volume Reduction Treatment Building (high-temperature incinerator building). From here on, we will conduct transferring as necessary when the water level is found rising.

**<4. Status of the Treatment Facility and the Storage Facility > (As of April 26 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 18, 2012~: Works for blocking of the discharge valve pit of Unit 2 circulating water pump and the Unit 2 power source cable trench were started.
- 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.

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