

Plant Status of Fukushima Daiichi Nuclear Power Station

February 21, 2012
Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of February 21 at 11:00)

Unit	Status of Water injection		Bottom temperature of Reactor pressure vessel	Pressure of primary containment vessel	Hydrogen density Of Primary containment vessel
Unit 1	Injecting Fresh water	Core Spray System: Approx. 1.8 m ³ /h	24.0 °C	107.1k Paabs	0.01 vol%
		Feed Water System: Approx. 4.6 m ³ /h			
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.2 m ³ /h	32.6 °C	114k Paabs	0.08 vol%
		Feed Water System: Approx. 5.5 m ³ /h			
Unit 3	Injecting Fresh water	Core Spray System: Approx. 5.0 m ³ /h	50.2 °C	101.6k Paabs	/
		Feed Water System: Approx. 1.8 m ³ /h			

[Unit 2]

- 19:19 February 20: With regard to the water injection volume which was increased with temperature figure rising, we adjusted the original volume before temperature increasing (Feed water system: approx. 3.0m³/h, core spray system: approx. 6.0m³/h). We changed the water injection volume from feed water system from approx.7.6m³/h to approx. 5.6m³/h (The water injection level from core spray system is continuing at approx. 6.0m³/h)

[Unit 4] [Unit 5] [Unit 6]

- No significant incidents have happened.

<2. Status of the Spent Fuel Pool> (As of February 21 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation*	25.5 °C
Unit 2	Circulating Cooling System	Under operation	12.7 °C
Unit 3	Circulating Cooling System	Under operation	13.2 °C
Unit 4	Circulating Cooling System	Under operation	24 °C

* System secondary air fin cooler: out of service

[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 3]

- Radioactive material removal equipment has been activated in order to remove radioactive materials from the spent fuel pool since 3:18 pm on January 14.

<3. Status of water transfer from the Vertical Shaft of the Trench and the basement floor of the Turbine Building>

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)]	9:39 on February 20 – Transferring
Unit 3	Unit 3 T/B	Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)]	9:30 on February 20 - Transferring
Unit 6	Unit 6 T/B	Temporary tank	From 10:00 to 16:00 on February 21 Transferred

- From 9:40 am – 3:45 pm on February 21, we transferred the accumulated water from site banker to process main building at the centralized radiation waste treatment facility.
- From 9:50 am – 3:34 pm on February 21, we transferred the accumulated water from circulating water pump discharge valve pit of Unit 2 to the basement of Unit 2 Turbine Building.

<4. Status of the Treatment Facility and the Storage Facility> (As of February 21 at 7:00)

Facility	Cesium adsorption apparatus	Secondary Cesium adsorption apparatus (sarry)	Decontamination instruments	water desalinations (reverse osmosis membrane)	water desalinations (evaporative concentration)
Operating status	Under operation	Under operation*	Out of service	Operating intermittently according to the water balance	Operating intermittently according to the water balance

*Cleaning of filter is implemented accordingly.

- 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.

End