

Revise

Plant Status of Fukushima Daiichi Nuclear Power Station

April 2, 2012
Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of April 2 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.1.9 m ³ /h	24.3 °C	107.8 kPa abs	A system:0.00 vol% B system:0.00 vol%
		Feed Water System: Approx.4.8 m ³ /h			
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.1 m ³ /h	50.4 °C	19.64 kPa g	A system:0.21 vol% B system:0.21 vol%
		Feed Water System: Approx.2.8 m ³ /h			
Unit 3	Injecting Fresh water	Core Spray System: Approx.5.0 m ³ /h	55.6 °C	0.29 kPa g	A system:0.19 vol% B system:0.18 vol%
		Feed Water System: Approx.1.9 m ³ /h			

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

[Unit 3] ·10:01 on April 1...Fluctuation in the volume of water injection to the reactor was confirmed. Therefore, the volume of water injection from feed water system was adjusted from approx. 1.8m³/h to approx. 2.0m³/h, and 4.9m³/h to approx. 5.0m³/h from core spray system.

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

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	14.5 °C
Unit 2	Circulating Cooling System	Under operation	15.4 °C
Unit 3	Circulating Cooling System	Under operation	14.9 °C
Unit 4	Circulating Cooling System	Under operation	26 °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.
- Desalination equipment was stopped since reduction in density of salt was confirmed in the spent fuel pool at 9: 23 am on April 2.
- Hydrazine was injected to the spent fuel pool from 1:21 pm to 3:15 pm on April 2.
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<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 (Process Main Building)	9:26 am on March 30 - Transferring
Unit 6	Unit 3 T/B	Temporary tank	10:00 am to 4:00 pm on April 2 - Transferred

<4. Status of the Treatment Facility and the Storage Facility > (As of April 2 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	Operating intermittently

				according to the water balance	according to the water balance
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* 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).
- At 11:04 am on April 1, a 5.9-magnitude earthquake centered in the coast of Fukushima Prefecture occurred. As a result of inspecting each plant thereafter, no abnormalities were detected.
- On April 2, we conducted a dust sampling at the upper part of T/B per the Unit 1 Building Cover exhaust filtering facility.

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