

Plant Status of Fukushima Daiichi Nuclear Power Station

March 23, 2012
Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of March 23 at 11:00 am)

Unit	Status of Water injection		Bottom temp. of Reactor pressure vessel	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	24.1 °C	107.1 kPa abs	A system: 0.00 vol% B system: 0.00 vol%
		Feed Water System: Approx.4.7 m ³ /h			
Unit 2	Injecting Fresh water	Core Spray System: Approx.6.0 m ³ /h	51.7 °C	14.90 kPa g	A system: 0.23 vol% B system: 0.24 vol%
		Feed Water System: Approx.2.8 m ³ /h			
Unit 3	Injecting Fresh water	Core Spray System: Approx.4.9 m ³ /h	54.2 °C	0.30 kPa g	A system: 0.20 vol% B system: 0.18 vol%
		Feed Water System: Approx.1.8 m ³ /h			

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

<2. Status of the Spent Fuel Pool> (As of March 23 at 11:00 am)

Unit	Cooling type	Status of cooling	Temperature of water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	16.5 °C
Unit 2	Circulating Cooling System	Under operation	14.4 °C
Unit 3	Circulating Cooling System	Under operation	15.6 °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.

<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)]	From 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)]	From 8:41 am on March 19: Transferring
Unit 6	Unit 6 T/B	→ Temporary Tank	From 10:00 am to 16:00 pm on March 23: Transferred

<4. Status of the Treatment Facility and the Storage Facility> (As of March 22 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	In service	In service*	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 22, 2012: When we were working the related thermometer of reactor pressure vessel / primary containment vessel of Unit 1, we found out that the signal cables of thermometer of VESSEL DOWN COMMER 130°(TE-263-69G2) has been connected not only the input of the correct recorder but also the input of VESSEL DOWN COMMER 15°(TE-263-69G1) and the signal cables of thermometer of VESSEL DOWN COMMER 15°(TE-263-69G1) has not been connected the input of the recorder. VESSEL DOWN COMMER 15°(TE-263-69G1) is monitor measuring instrument on the safety regulation (Article 138 and 143) but we confirmed that this thermometer was out of data in the past, so we excluded from monitor measuring instrument on the safety regulation (Article 138 and 143) after data collecting at 9:00 pm on March 22. We are monitoring by another thermometers according to the temperature monitoring of reactor pressure vessel.

END