

Plant Status of Fukushima Daiichi Nuclear Power Station

May 28, 2012

Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of May 28 at 11:00 AM)

Unit	Status of Water Injection		Bottom Temperature of Reactor Pressure Vessel	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	30.9 °C	107.2 kPa abs	A system:0.00 vol% B system:0.00 vol%
		Feed Water System: Approx. 4.4 m ³ /h			
Unit 2	Injecting Fresh Water	Core Spray System: Approx. 6.0 m ³ /h	46.8 °C	13.78 kPa g	A system:0.24 vol% B system:0.24 vol%
		Feed Water System: Approx. 3.0 m ³ /h			
Unit 3	Injecting Fresh Water	Core Spray System: Approx. 5.0 m ³ /h	58.7 °C	0.27 kPa g	A system:0.15 vol% B system:0.14 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 1] · 10:15 AM on May 27: Fluctuation in the volume of water injection to the reactor was confirmed. Therefore, the volume of water injection from core spray system was adjusted from approx. 1.9m³/h to approx. 2.0m³/h. (The volume of water injection from feed water system was carried on at the rate of 4.5m³/h.)

[Unit 3] · 10:08 AM on May 27: 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 5.1m³/h to approx. 5.0m³/h from core spray system.

<2. Status of the Spent Fuel Pool > (As of May 28 at 11:00 AM)

Unit	Cooling Type	Status of Cooling	Temperature of Water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	22.5 °C
Unit 2	Circulating Cooling System	Under operation	22.8 °C
Unit 3	Circulating Cooling System	Under operation	22.2 °C
Unit 4	Circulating Cooling System	Under operation	32 °C

[Unit 3] · May 27: At 4:01 AM, An alarm which indicates an abnormality was triggered, Unit 3 spent fuel pool desalting facility was stopped automatically. As a result of investigation at the site, water leakage was not confirmed, and the spent fuel pool cooling system was not stopped. At 4:10 PM on May 28, since the trouble in the electro dialyzer was confirmed as the cause, the electro dialyzer was taken out, and the isolated operation of the Reverse Osmosis Membrane Unit was started.

[Unit 4] · May 26: From around 11:00 AM, since the increase of the skimmer surge tank water level of Unit 4 Spent Fuel Pool was confirmed, the operational status of the Spent Fuel Pool Desalting Facility (a mobile RO facility) was confirmed. At 3:21 PM on the same day, the system was stopped due to the trouble of the flow meter in entry side. The flow meter will be maintained, and the cause of the increase of the skimmer surge tank water level is under investigation.

<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)]	5/27 2:34 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)]	5/19 9:15 AM – Being transferred

[Unit 3] May 11- Transfer of the accumulated water in the pit to Unit 2 Turbine Building basement is done as appropriate in order to fill concrete in the pit of Unit 3 circulating water pump discharge valve.

<4. Status of the Treatment Facility and the Storage Facility > (As of May 28 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	Shutdown	Operation *	Shutdown	Operating intermittently according to the water balance	Operating intermittently according to the water balance

* Cleaning of filter is in progress.

- 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 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.
- Around 11:00 AM on May 27, 2012: Data reading was failing on the portable monitoring posts at the west entrance. For acquiring the data at 11:00 AM and later, the alternative measurement was continued utilizing a wireless monitoring post system, and there was no problem to acquire the data. Because the bad connection was confirmed at the connector terminal of power cable, it was reconnected. At 2:25 PM, the system was recovered. At 2:30 PM, acquiring the data was restarted utilizing the system.

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