

Plant Status of Fukushima Daiichi Nuclear Power Station

May 7, 2012

Tokyo Electric Power Company

<1. Status of the Nuclear Reactor and the Primary Containment Vessel> (As of May 7 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	30.2 °C	106.3 kPa abs	A system:0.00 vol% B system:0.02 vol%
		Feed Water System: Approx. 4.5 m ³ /h			
Unit 2	Injecting Fresh Water	Core Spray System: Approx. 5.8 m ³ /h	48.2 °C	15.33 kPa g	A system:0.54 vol% B system:0.53 vol%
		Feed Water System: Approx. 3.0 m ³ /h			
Unit 3	Injecting Fresh Water	Core Spray System: Approx. 5.0 m ³ /h	59.8 °C	0.28 kPa g	A system:0.18 vol% B system:0.13 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 2] · May 2: Gas sampling of PCV gas control system was conducted. As a result of the analysis, it was confirmed that Xenon 135 at the inlet of the system was below the detection limit (1.1×10⁻¹Bq/cm³), and also below the re-criticality criterion which is 1Bq/cm³.

[Unit 1] · May 7: Sampling of charcoal filter and particulate filter of PCV gas control system was conducted.

<2. Status of the Spent Fuel Pool > (As of May 7 at 11:00 am)

Unit	Cooling Type	Status of Cooling	Temperature of Water in Spent Fuel Pool
Unit 1	Circulating Cooling System	Under operation	21.0 °C
Unit 2	Circulating Cooling System	Under operation	22.1 °C
Unit 3	Circulating Cooling System	Under operation	21.1 °C
Unit 4	Circulating Cooling System	Under operation	30 °C

<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)]	5/3 2:52 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)]	4/29 9:43 AM - 5/3 2:35 PM Transferred 5/5 9:46 AM - Being transferred
Unit 6	Unit 6 T/B	Temporary Tank	5/7 10:00 AM - 4:00 PM Transferred

<4. Status of the Treatment Facility and the Storage Facility > (As of May 7 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.
- May 7, 2012: Dust sampling in the upper part of Unit 1 reactor building was conducted utilizing the exhaust filter system equipped on the Reactor Building cover.
- Around 3:15 PM on May 7, 2012: A worker of a co-operating company, who did laying operation of desalination apparatus transfer polyethylene pipe at the east-side of SPT building, had the contamination test for his body at the seismic-isolated essential buildings, and radioactive material was detected around his mouth. (It was not detected in the nasal cavity.) After the decontamination of his face, the test was conducted again. As a result, radioactive material was not confirmed. We will measure the radiation by whole body counter to confirm that radioactive material was taken in or not.

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