

**Plant Status of Fukushima Daiichi Nuclear Power Station**

January 3, 2012  
Tokyo Electric Power Company

<Draining Water on Underground Floor of Turbine Building (T/B)>

Status of highly concentrated accumulated radioactive water treatment facility and storage tank facility

[Treatment Facility]

· 10:37 on December 27, 2011: We started 2<sup>nd</sup> cesium adsorption facility. At 10:43 am, we reached the regular flow rate.

[Storage Facility]

· 2011/6/8 ~ Large tanks to store and keep treated or contaminated water have been transferred and installed sequentially.

Accumulated water in vertical shafts of trenches and at basement level of building

Unit	Draining water source Place transferred	Status
Unit 2	· Unit 2T/B Central Radioactive Waste Treatment Facility [Process Main Building, Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)]	· From 15:22 on December 28, 2011 to 9:44 on January 3, 2012 – Transferred
Unit 3	· Unit 3T/B Central Radioactive Waste Treatment Facility [Process Main Building, Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)]	· 10:01 on January 3, 2012 – Transferring
Unit 6	· Unit 6T/B Temporary tanks	· 1/3 No plan of transfer

Place transferred	Status of Water Level (As of January 3 at 7:00)
Process Main Building	Water level: O.P.+ 2,795 mm(Accumulated total increase:4,012 mm) 100mm increase since 7:00 on January 2, 2012
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 2,887 mm(Accumulated total increase:3,613 mm) 108mm decrease since 7:00 on January 2, 2012

Water level of the vertical shaft of the trench, T/B and R/B(As of January 3 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 2, 2012)	O.P.+ 2,974 mm (26mm increase since 7:00 on January 2, 2012)	O.P.+ 4,242 mm (3mm decrease since 7:00 on January 2, 2012)
Unit 2	O.P.+ 3,092 mm (21mm decrease since 7:00 on January 2, 2012)	O.P.+ 3,074 mm (20mm decrease since 7:00 on January 2, 2012)	O.P.+ 3,213 mm (15mm decrease since 7:00 on January 2, 2012)
Unit 3	O.P.+ 3,224 mm (19mm increase since 7:00 on January 2, 2012)	O.P.+ 3,196 mm (20mm increase since 7:00 on January 2, 2012)	O.P.+ 3,459 mm (22mm increase since 7:00 on January 2, 2012)
Unit 4	-	O.P.+ 3,176 mm (26mm increase since 7:00 on January 2, 2012)	O.P.+ 3,184 mm (19mm increase since 7:00 on January 2, 2012)

<Monitoring of Radioactive Materials>

Nuclide Analysis of Seawater(Reference)

Place of sampling	Date of sampling	Time of sampling	Ratio of density limit (times)		
			I-131	Cs-134	Cs-137
Around Discharge Channel of 3,4U, 2F	2012/1/2	8:20	ND	0.02	0.01

·Others: samples from 2 locations at coast of Fukushima Prefecture (sampled on January 2, 2012) and from 5 locations at offshore (sampled on January 1, 2012) showed ND for all three major nuclides (Iodine-131, Cs-134,137).

<Cooling of Spent Fuel Pools >(As of January 3 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation	13.5
Unit 2	Circulating Cooling System	Under operation	14.1
Unit 3	Circulating Cooling System	Under suspension	24.1
Unit 4	Circulating Cooling System	Under operation	21

\*The temperature was recorded at 10:00 on January 3 after the stable operation of the alternative primary cooling system.

[Unit 3] 2011/12/30 16:54 As there was often the tendency that absorbing pressure decreased until now and a sign of the strainer jamming may occur in future when we continue operating, until January 4, We decided to stop the cooling of the spent fuel pool temporarily and stopped this cooling system in consideration of a current pool water temperature degree being low enough with approximately 13 and radiation exposure by countercurrent work of the strainer. And after December 31, 2011, we operate the primary system of this system once a day due to confirm the spent fuel pool water temperature.

(Expected pool water temperature increase: approximately 5.0 ~ 6.0 per day)

1/3 8:58 ~ 10:11 We operated the alternative primary cooling system to confirm the water temperature of Spent Fuel Pool.

< Water Injection to Pressure Containment Vessels > (As of January 3 at 11:00)

Unit	Status of water injection	Feed-water nozzle Temp.	Reactor pressure vessel Bottom temp.	Pressure of primary containment vessel
Unit 1	Injecting freshwater (Feed Water System: Approx.4.8 m <sup>3</sup> /h, Core Spray System: Approx.1.9 m <sup>3</sup> /h)	26.8	27.4	105.7 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.1.9 m <sup>3</sup> /h, Core Spray System: Approx.7.0 m <sup>3</sup> /h)	53.3	55.1	109 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.9 m <sup>3</sup> /h, Core Spray System: Approx.6.0 m <sup>3</sup> /h)	47.8	55.3	101.6 kPaabs

[Unit 1] ·About atmosphere temperature in Primary Containment Vessel, we are watching a tendency of the 1 point (C point) that the temperature increase from December 22, 2011 and 2 points(D point and E point) that the temperature increase afterwards gently.

C point (Max) approximately 54.6 (December 28, 2011 at 18:00) approximately 42.8 (January 3 at 11:00)

D point (Max) approximately 35.8 (December 29, 2011 at 17:00) approximately 32.4 (January 3 at 11:00)

E point (Max) approximately 40.0 (December 29, 2011 at 17:00) approximately 35.5 (January 3 at 11:00)

[Unit 4][Unit 5][Unit 6]· No major change

<Others>

·2011/10/7 ~ 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