

Plant Status of Fukushima Daiichi Nuclear Power Station

January 7, 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]

· 14:36 on January 4, 2012: We restarted the 2nd cesium adsorption facility. At 14:48, we reached the regular flow rate.

[Storage Facility]

· June 8, 2011 ~ 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)]	· 9:30 on January 5 – Transferring
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 – Transferring
Unit 6	· Unit 6T/B Temporary tanks	· 1/7 No plan of transfer

Place transferred	Status of Water Level (As of January 7 at 7:00)
Process Main Building	Water level: O.P.+ 3,038 mm(Accumulated total increase:4,255 mm) 99mm increase since 7:00 on January 6
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 3,444 mm(Accumulated total increase:4,170 mm) 219mm increase since 7:00 on January 6

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

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 6)	O.P.+ 3,064 mm (20mm increase since 7:00 on January 6)	O.P.+ 4,240 mm (5mm decrease since 7:00 on January 6)
Unit 2	O.P.+ 3,180 mm (23mm decrease since 7:00 on January 6,)	O.P.+ 3,153 mm (22mm decrease since 7:00 on January 6)	O.P.+ 3,296 mm (17mm decrease since 7:00 on January 6)
Unit 3	O.P.+ 3,176 mm (11mm increase since 7:00 on January 6)	O.P.+ 3,125 mm (13mm decrease since 7:00 on January 6)	O.P.+ 3,394 mm (12mm decrease since 7:00 on January 6)
Unit 4	-	O.P.+ 3,132 mm (13mm decrease since 7:00 on January 6,)	O.P.+ 3,146 mm (12mm decrease since 7:00 on January 6)

<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 330m north from discharge channel of 5-6U, 1F	January 6	8:40	ND	0.05	0.04
Around 330m south from discharge channel of 1-4U, 1F	January 6	8:20	ND	0.03	0.02
Around 7km south from discharge channel of 1,2U, 2F	January 6	8:05	ND	0.02	0.02

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

<Cooling of Spent Fuel Pools >(As of January 7 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	13.1
Unit 3	Circulating Cooling System	Under suspension	23.9 *
Unit 4	Circulating Cooling System	Under operation	20

*The temperature was the latest record at 11:00 on January 5, because of the suspension of cooling system Unit 3.
[Unit 3]

- 11:46 on January 5,: As a trend in decrease of Primary Circulation Pump's suction pressure is continuing at this device, we temporarily stopped the SFP cooling by shutting down the pump for a replacement of the strainer at the pump's inlet. (SFP water temperature: 23.7)
- 16:27 on January 7: We restarted the pump and the SFP cooling after the replacement of the strainer.

< Water Injection to Pressure Containment Vessels > (As of January 7 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.4.6 m ³ /h, Core Spray System: Approx.1.9 m ³ /h)	25.8	26.3	107.1 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.0.7 m ³ /h, Core Spray System: Approx.9.0 m ³ /h)	49.3	51.1	108 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.9 m ³ /h, Core Spray System: Approx.6.0 m ³ /h)	46.7	55.3	101.6 kPaabs

[Unit 2]

- 10:46 on January 6: We adjusted water injection from the reactor feed water system from approx 0.2 m³/h to 0 m³/h, and water injection from the core spray system from approx. 9.2 m³/h to 9.3 m³/h to replacement of the cooling system piping arrangement for the trial run of cooling system piping in Turbine Building.
- 11:11 on January 6: We finished the replacement of the cooling system piping arrangement.
- 11:25 on January 6: We adjusted water injection from the reactor feed water system from approx 0 m³/h to 1.0m³/h, and water injection from the core spray system from approx. 9.3 m³/h to 9.0 m³/h
- 11:53 on January 7: We adjusted water injection from the reactor feed water system from approx 0.5 m³/h to 2.0m³/h, and water injection from the core spray system from approx. 9.0 m³/h to 8.0 m³/h

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

<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.

End