

Plant Status of Fukushima Daiichi Nuclear Power Station

January 8, 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 – 9:27 on January 8 Implementation of Transfer
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 – 9:31 on January 8 Implementation of Transfer
Unit 6	· Unit 6T/B Temporary tanks	· 10:00 on January 8 – 16:00 on January 8 Implementation of Transfer

Place transferred	Status of Water Level (As of January 8 at 7:00)
Process Main Building	Water level: O.P.+ 3,139 mm (Accumulated total increase:4,356 mm) 101 mm increase since 7:00 on January 7
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 3,716 mm (Accumulated total increase:4,442 mm) 272 mm increase since 7:00 on January 7

Water level of the vertical shaft of the trench, T/B and R/B(As of January 8 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 7)	O.P.+ 3,081 mm (17 mm increase since 7:00 on January 7)	O.P.+ 4,229 mm (11 mm decrease since 7:00 on January 7)
Unit 2	O.P.+ 3,160 mm (20 mm decrease since 7:00 on January 7,)	O.P.+ 3,135 mm (18 mm decrease since 7:00 on January 7)	O.P.+ 3,278 mm (18 mm decrease since 7:00 on January 7)
Unit 3	O.P.+ 3,164 mm (12 mm decrease since 7:00 on January 7)	O.P.+ 3,110 mm (15 mm decrease since 7:00 on January 7)	O.P.+ 3,381 mm (13 mm decrease since 7:00 on January 7)
Unit 4	-	O.P.+ 3,125 mm (7 mm decrease since 7:00 on January 7)	O.P.+ 3,134 mm (12 mm decrease since 7:00 on January 7)

<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 30 m north from discharge channel of 5-6U, 1F	January 7	8:35	ND	0.07	0.06
Around 330 m south from discharge channel of 1-4U, 1F	January 7	8:15	ND	0.05	0.04

Others: Samples from 2 points at coastal area of Fukushima Prefecture (sampled on January 7, 2012) and samples from 4 points at offshore of Fukushima Prefecture (sampled on January 6, 2012) showed ND for all three major nuclides (Iodine-131, Cs-134,137).

<Cooling of Spent Fuel Pools > (As of January 8 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation	13.0
Unit 2	Circulating Cooling System	Under operation	12.8
Unit 3	Circulating Cooling System	Under operation	25.5
Unit 4	Circulating Cooling System	Under operation	20

[Unit 4]

· Around 13:00 on January 8: At circulating cooling system for spent fuel pool of unit 4, we found water leakage from 4 points of cooling pipe of air fin cooler (System B) when we tried to conduct scheduled switching of air fin cooler (from System A to System B). Currently, we are investigating the cause of the leakage. Leaked water is purified water (pure water)* and is not contained radioactive materials. Now we secluded the air fin cooler from the system to prevent the spread of water leakage. In addition, the cooling of spent fuel pool has no problem because we are currently using air fin cooler (System A) to cool spent fuel pool.

* Purified water (pure water): The water from Sakashita dam

< Water Injection to Pressure Containment Vessels > (As of January 8 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)	25.4	26.0	107.4 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.1.9 m ³ /h, Core Spray System: Approx.6.0 m ³ /h)	49.1	49.7	109 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.8 m ³ /h, Core Spray System: Approx.6.0 m ³ /h)	46.6	55.4	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