

Plant Status of Fukushima Daiichi Nuclear Power Station

January 15, 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.
- 15:22 on January 11, 2012: We actuated Cesium adsorption apparatus. At 15:30 the flow rate reached steady state.

[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 2 T/B Central Radioactive Waste Treatment Facility [Process Main Building] Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)]	· Transferring from 14:57 on Jan 15
Unit 3	· Unit 3 T/B Central Radioactive Waste Treatment Facility [Process Main Building, Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)]	· Transferring from 14:48 on Jan 15
Unit 6	· Unit 6 T/B Temporary tanks	· 1/12 No transfer

Transferring destination	Water level at transferring destination (as of 7:00 am on January 15)
Process Main Building	O.P.+4,279mm (cumulative elevation of water level:5,496mm), decreased 157mm from 7:00 am on January 14
Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)	O.P.+2,477mm (cumulative elevation of water level:3,203mm), decreased 564mm from 7:00 am on January 14

Water level of the vertical shaft of the trench, T/B and R/B(As of January 14 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 14)	O.P.+ 3,199mm (16mm increase since 7:00 on January 14)	O.P.+ 4,186 mm (9mm decrease since 7:00 on January 14)
Unit 2	O.P.+ 3,030 mm (80mm increase since 7:00 on January 14)	O.P.+ 3,013 mm (73mm increase since 7:00 on January 14)	O.P.+ 3,158 mm (56mm increase since 7:00 on January 14)
Unit 3	O.P.+ 3,130 mm (7mm increase since 7:00 on January 14)	O.P.+ 3,088 mm (49mm increase since 7:00 on January 14)	O.P.+ 3,361 mm (43mm increase since 7:00 on January 14)
Unit 4	-	O.P.+ 3,065 mm (12mm decrease since 7:00 on January 14)	O.P.+ 3,086 mm (5mm decrease since 7:00 on January 14)

<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 14	8:45	ND	0.03	0.03
Around 330 m south from discharge channel of 1-4U, 1F	January 14	8:20	ND	0.02	0.02
Around discharge channel of 3-4U, 2F	January 14	8:05	ND	ND	0.02

·Others: Samples from one point at the coast (sampled on January 14) and from 10 point at offshore of Fukushima showed ND for all three major nuclides (Iodine-131, Cs-134,137).

<Cooling of Spent Fuel Pools > (As of January 15 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation	12.0
Unit 2	Circulating Cooling System	Under operation	12.5
Unit 3	Circulating Cooling System	Under operation	13.0
Unit 4	Circulating Cooling System	Under operation	21

[Unit 3] · A radioactive material removal equipment has been activated in order to remove radioactive materials from the spent fuel pool since 15:18 on Jan 14, 2012

[Unit 4] · From November 29, 2011, we actuated ion exchange apparatus in order to desalinate water in spent fuel pool.

< Water Injection to Pressure Containment Vessels > (As of January 14 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.4.3 m ³ /h, Core Spray System: Approx.1.7 m ³ /h)	24.9	25.2	106.0 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.2.8 m ³ /h, Core Spray System: Approx.7.0 m ³ /h)	47.4	48.2	109 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.0 m ³ /h, Core Spray System: Approx.7.1 m ³ /h)	44.7	53.9	101.6 kPaabs

[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.
- January 11, 2012 ~ : As finding accumulated water including radioactive materials (December 18, 2011) at the trench between Process Main Building of Central Radioactive Waste Treatment Facility and Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building), we started inspection of the other trenches in the site. *Please refer to the other reference materials for the result of daily inspection

End