Plant Status of Fukushima Daiichi Nuclear Power Station

January 17, 2012
Tokyo Electric Power Company

Correction	(Wrong) instantaneous stop of (Correct) instant voltage dip at
	(Wrong) Yonomori line No.1 and 2 stopped instantaneously (Correct) the voltage of Yonomori line No.1 and 2 dropped instantly

<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]

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

・12:12 on January 16, 2012: we started the second cesium absorption apparatus. At 12:17 the flow rate reached steady state.

・Around 16:10 on January 17, we confirmed stop operation of Cesium adsorption apparatus due to instant voltage dip at Yonomori line No.1 and 2.

[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)]	・Transferred from 14:57 on Jan. 15 to 14:10 on Jan. 17.
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)]	・Transferred from 14:48 on Jan 15 to 14:14 on Jan. 17.
Unit 6	・Unit 6 T/B→Temporary tanks	No plan to transfer on Jan 17

Transferring destination	Water level at transferring destination (as of 7:00 am on January 17)
Process Main Building	O.P.+4,561 mm (cumulative elevation of water level:5,778 mm), increased 182mm from 7:00 am on January 16
Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)	O.P.+3,286 mm (cumulative elevation of water level:4,012 mm), increased 613 mm from 7:00 am on January 16

◇Water level of the vertical shaft of the trench, T/B and R/B(As of January 17 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 16)	O.P.+ 3,231 mm (16 mm increase since 7:00 on January 16)	O.P.+ 4,173 mm (11 mm decrease since 7:00 on January 16)
Unit 2	O.P.+ 2,881 mm (97 mm decrease since 7:00 on January 16)	O.P.+ 2,877 mm (89 mm decrease since 7:00 on January 16)	O.P.+ 3,046 mm (84 mm decrease since 7:00 on January 16)
Unit 3	O.P.+ 3,080 mm (32 mm decrease since 7:00 on January 16)	O.P.+ 2,973 mm (61 mm decrease since 7:00 on January 16)	O.P.+ 3,255 mm (62 mm decrease since 7:00 on January 16)
Unit 4	—	O.P.+ 3,029 mm (31mm decrease since 7:00 on January 16)	O.P.+ 3,051 mm (31 mm decrease since 7:00 on January 16)

<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 16	8:50	ND	0.03	0.02
Around 330 m south from discharge channel of 1-4U, 1F	January 16	8:25	ND	0.03	0.03

・Others: Samples from 2 point at the coast (sampled on January 16), from 5 points at offshore of Fukushima (sampled on January 15) and from 5 points at offshore of Ibaraki (sampled on January 10,11,12) showed ND for all three major nuclides (Iodine-131, Cs-134, 137).

<Cooling of Spent Fuel Pools > (As of January 17 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	12.3 ℃
Unit 3	Circulating Cooling System	Under operation	12.5 ℃
Unit 4	Circulating Cooling System	Under operation	20 ℃

【Unit 2】 ・Around 16:10 on January 17, 2012, we confirmed stop operation of the SFP alternative cooling system due to instant voltage dip at Yonomori line No.1 and 2.

・At 16:53, we started SFP alternative cooling system.

【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.

・Around 16:10 on January 17, 2012, we confirmed stop operation of the SFP alternative cooling system and the radioactive material removal equipment due to instant voltage dip at Yonomori line No.1 and 2.

・At 17:15, we started SFP alternative cooling system.

【Unit 4】 ・From November 29, 2011, we actuated ion exchange apparatus in order to desalinate water in spent fuel pool.

【Unit 6】 ・Around 16:10 on January 17, 2012, we confirmed stop operation of the Fuel Pool Cooling and Filtering System due to instant voltage dip at Yonomori line No.1 and 2.

・At 17:19, we started Fuel Pool Cooling and Filtering System.

< Water Injection to Pressure Containment Vessels > (As of January 17 at 11:00)

Unit	Status of water injection	Feed-water nozzle Temp.	Reactor pressure vessel	Pressure of primary containment vessel

			Bottom temp.	
Unit 1	Injecting freshwater (Feed Water System: Approx.4.7 m^3/h, Core Spray System: Approx.1.8 m^3/h)	25.8℃	26.4℃	106.7 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.2.4 m^3/h, Core Spray System: Approx.7.2 m^3/h)	47.6℃	49.3℃	109 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.1.9 m^3/h, Core Spray System: Approx.7.2 m^3/h)	44.8℃	53.6℃	101.6 kPaabs

【Unit 1】【Unit 2】【Unit 3】 ・Around 16:10 on January 17, 2012, we confirmed stop operation of Nitrogen Gas Injection System due to instantaneous stop of Yonomori line No.1 and 2.

・At 16:57, we started Nitrogen Gas Injection System.

【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
- January 17, 2012 : Around 16:10, the voltage of Yonomori line No.1 and 2 dropped instantly. Due to this, we confirmed stop operation of Unit 2 PCV Gas Management System. And we also confirmed that, the reactor injection systems of Unit 1 to 3, the second cesium absorption apparatus and monitoring posts is in operation with no problem.

  : At 17:25, we started Unit 2 PCV gas management system.

End