Plant Status of Fukushima Daiichi Nuclear Power Station

January 6, 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]

・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)]	・9:30 on January 5, 2012 – 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, 2012 – Transferring
Unit 6	・Unit 6T/B→Temporary tanks	・1/6 No plan of transfer

Place transferred	Status of Water Level (As of January 6 at 7:00)
Process Main Building	Water level: O.P.+ 2,939 mm(Accumulated total increase:4,156 mm) 94mm increase since 7:00 on January 5, 2012
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 3,225 mm(Accumulated total increase:3,951 mm) 141mm increase since 7:00 on January 5, 2012

◇Water level of the vertical shaft of the trench, T/B and R/B(As of January 6 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 5, 2012)	O.P.+ 3,044 mm (20mm increase since 7:00 on January 5, 2012)	O.P.+ 4,245 mm (5mm decrease since 7:00 on January 5, 2012)
Unit 2	O.P.+ 3,203 mm (23mm decrease since 7:00 on January 5, 2012)	O.P.+ 3,175 mm (21mm decrease since 7:00 on January 5, 2012)	O.P.+ 3,313 mm (10mm decrease since 7:00 on January 5, 2012)
Unit 3	O.P.+ 3,187 mm (14mm increase since 7:00 on January 5, 2012)	O.P.+ 3,138 mm (16mm decrease since 7:00 on January 5, 2012)	O.P.+ 3,406 mm (16mm decrease since 7:00 on January 5, 2012)
Unit 4	－	O.P.+ 3,145 mm (6mm decrease since 7:00 on January 5, 2012)	O.P.+ 3,158 mm (14mm decrease since 7:00 on January 5, 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 330m south from discharge channel of 1-4U, 1F	2012/1/5	8:20	ND	0.04	0.03
Around 7km south from discharge channel of 1,2U, 2F	2012/1/5	7:40	ND	ND	0.02

・Others: samples from 8 location at offshore of Fukushima Prefecture (sampled on January 4, 2012) and 5 location at offshore of Ibaragi Prefecture (sampled on December 27, 2011) showed ND for all three major nuclides (Iodine-131, Cs-134,137).

<Cooling of Spent Fuel Pools >(As of January 6 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	13.0 ℃
Unit 3	Circulating Cooling System	Under suspension	23.9 ℃*
Unit 4	Circulating Cooling System	Under operation	20 ℃

*The temperature was recorded as cooling under suspension, at 11:00 on January 5

[Unit 3]

・11:46 on January 5, 2012: 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. We plan to continue the pump's shutdown until January 7, while the expected temperature increase at the SFP water is around 0.25 per hour (SFP water temperature: 23.7℃)

< Water Injection to Pressure Containment Vessels > (As of January 6 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)	25.9℃	26.5℃	107.0 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.0.0 m^3/h, Core Spray System: Approx.9.2 m^3/h)	49.5℃	50.5℃	107 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.9 m^3/h, Core Spray System: Approx.6.0 m^3/h)	46.8℃	55.2℃	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 41.8℃(January 6 at 11:00)

D point (Max) approximately 35.8℃(December 29, 2011 at 17:00) → approximately 31.3℃(January 6 at 11:00)

E point (Max) approximately 40.0℃(December 29, 2011 at 17:00) → approximately 34.3℃(January 6 at 11:00)

【Unit 2】

・10:46 on January 6, 2012: We adjusted water injection from the reactor feed water system from approx 0.2 m^3/h to 0 m^3/h, and water injection from the core spray system from approx. 9.2 m^3/h to 9.3 m^3/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, 2012: We finished the replacement of the cooling system piping arrangement.

・11:25 on January 6, 2012: We adjusted water injection from the reactor feed water system from approx 0 m^3/h to 1.0m^3/h, and water injection from the core spray system from approx. 9.3 m^3/h to 9.2 m^3/h

[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.

・9:15～12:30 on January 6: We take the dust sampling at the rooftop of Unit 3 Turbine Building by using a large crane.

・11:05～12:35 on January 6:We take the dust sampling near the equipment hatch of ground floor, reactor building unit 3 by a robot.

・12:33 on January 6: We adjusted the nitrogen injection rate to PCV of Unit 2 from approx. 10m3/h to approx. 13m3/h in order to decrease amount of steam generated and pressure in PCV for the preparation work for inner inspection of PCV.

・13:26 on January 6: We adjusted the exhaust amount from PCV gas management system from approx. 30m^3/h to approx. 35m^3/h.

End