Plant Status of Fukushima Daiichi Nuclear Power Station

January 25 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]

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

・At 18:42 on January 17, 2012: We actuated Cesium adsorption apparatus. At 18:45, 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 2T/B→Central Radioactive Waste Treatment Facility [Process Main Building, Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	・Transferred from 15:36 on January 24 to 8:53 on January 25
Unit 3	・ Unit 3T/B→Central Radioactive Waste Treatment Facility [Process Main Building, Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	・ Transferred 15:24 on January 24 to 8:57 on January 25
Unit 6	・Unit 6T/B→Temporary tanks	・No Transferring planned

Place transferred	Status of Water Level (As of January 25 at 7:00)
Process Main Building	Water level: O.P.+ 3,731 mm(Accumulated total increase:4,948 mm), decrease 41mm from 7:00 am on January 24
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 3,145 mm(Accumulated total increase:3,871 mm), increase 150mm from 7:00 am on January 24

* We describe the amount with that was sampled at 16:00 on January 24, because no data was sampled due to camera trouble.

◇Water level of the vertical shaft of the trench, T/B and R/B (As of January 25 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on January 24)	O.P.+ 2,667mm (15 mm increase since 7:00 on January 24)	O.P.+ 4,311 mm (28 mm decrease since 7:00 on January 24)
Unit 2	O.P.+ 3,055 mm (38 mm decrease since 7:00 on January 24)	O.P.+ 3,032 mm (36 mm decrease since 7:00 on January 24)	O.P.+ 3,196mm (30 mm decrease since 7:00 on January 24)
Unit 3	O.P.+ 3,065 mm (8 mm decrease since 7:00 on January 24)	O.P.+ 2,974 mm (46 mm decrease since 7:00 on January 24)	O.P.+ 3,264 mm (35 mm decrease since 7:00 on January 24)
Unit 4	—	O.P.+ 3,000 mm (8 mm decrease since 7:00 on January 24)	O.P.+ 3,026 mm (1 mm decrease since 7:00 on January 24)

<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 30m north from discharge channel of 5-6U, 1F	1/24	8:40	ND	0.03	0.02
Around 30km south from discharge channel of 1-4U, 1F	1/24	8:20	ND	0.03	0.03
Around 7km south from discharge channel of 1U and 4U, 2F	1/24	8:05	ND	0.02	0.02

<Cooling of Spent Fuel Pools > (As of January 25 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation	18.5 ℃
Unit 2	Circulating Cooling System	Under operation	13.3 ℃
Unit 3	Circulating Cooling System	Under operation	13.1 ℃
Unit 4	Circulating Cooling System	Under operation	23℃

【Unit 2】 ・A desalination equipment has been activated in order to reduce density of salt from the spent fuel pool since 11:50 on January 19, 2012.

- ・At 14:17 on January 24, at the desalting facility of the spent fuel pool of Unit 2, an emergency alarm of "RO unit warning" activated, and the system stopped automatically. We are currently checking for cause of the alarm. All of the separation valves of the system were closed by the inter-lock, and the alternative cooling system continues operation. Therefore, there is no influence on cooling, In addition, as a result of the on-site confirmation, no leakage was confirmed.

・At 15:40 on January 25, we restarted the facility and confirmed there are no troubles. We assume the cause of emergency alarm was the clog of filter, but we couldn't identify the cause. We will continue the monitoring.

【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 January 14, 2012.

<Water Injection to Pressure Containment Vessels> (As of January 25 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.2.0 m^3/h)	26.6 ℃	26.9 ℃	105.8 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.8.1 m^3/h, Core Spray System: Approx.0.9 m^3/h)	48.0 ℃	49.5 ℃	110 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.8.0 m^3/h, Core Spray System: Approx.1.0 m^3/h)	45.4 ℃	54.1 ℃	101.6 kPaabs

【Unit 2】 At 19:15 on January 24, regarding the water injection of Unit 2, we adjusted the water injection amount from core spray system from approx 0.6 m^3/h to approx 1.0 m^3/h since we confirmed the change of water injection amount. (We maintain the water injection amount from the reactor feed water system at 8.0 m^3/h)

【Unit 3】 At 10:52 on January 25, regarding the water injection into the reactors of Units 2 and 3, in order to switch injection piping of the reactor injection pump on the hill, the amount of water injection from the reactor feed water system was adjusted from approx. 7.1 m^3/h to approx. 8.0 m^3/h and the amount of water injection from the core spray system was adjusted from approx. 1.8 m^3/h to approx. 1.0 m^3/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.
- 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.

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