Plant Status of Fukushima Daiichi Nuclear Power Station

October 26, 2011

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]

・6/17 20:00 Full operation started.

・6/24 12:00 Treatment started at desalination facilities

・6/27 16:20 Circulating injection cooling started.

・8/7 16:11 Evaporative Concentration Facility has started full operation.

・8/19 19:33 We activated second cesium adsorption facility (System B) and started the treatment of accumulated water by the parallel operation of cesium adsorption instrument and decontamination instrument. At 19:41, the flow rate achieved steady state.

[Storage Facility]

・6/8～ Big 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 1	・ Unit 1T/B → Unit 2T/B	・17:31 on October 25 to 14:01 on October 26 – Transferred
Unit 2	・Unit 2T/B→Central Radioactive Waste Treatment Facility［Process Main Building］	10:12 on October 20 -Transferring
Unit 3	・Unit 3T/B→Central Radioactive Waste Treatment Facility［Miscellaneous Solid Waste Volume Reduction Treatment Building(High Temperature Incinerator Building)］	・10:00 on October 20 -Transferring
Unit 6	・Unit 6T/B→Temporary tanks	・10:00 to 16:00 on October 26, transferred
	・Temporary tanks→Mega float	・October 26 - No plan of transfer

Place transferred	Status of Water Level (As of October 26 at 7:00)
Process Main Building	Water level: O.P.+ 3,572 mm(Accumulated total increase:4,789 mm) 67mm increased since 7:00 on October 25
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 2,371 mm(Accumulated total increase:3,097 mm) 52mm decreased since 7:00 on October 25

◇Water level of the vertical shaft of the trench, T/B and R/B(As of October 24 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P.< + 850 mm (No change since 7:00 on October 25)	O.P.+ 4,072 mm (173mm decrease since 7:00 on October 25)	O.P.+ 4,318 mm (41mm decrease since 7:00 on October 25)
Unit 2	O.P.+ 2,880mm (13mm decrease since 7:00 on October 25)	O.P.+ 2,915 mm (14mm increase since 7:00 on October 25)	O.P.+ 2,999 mm (8mm increase since 7:00 on October 25)

Unit 3	O.P.+ 3,186 mm (11mm decrease since 7:00 on October 25)	O.P.+ 2,944 mm (11mm decrease since 7:00 on October 25)	O.P.+ 3,114 mm (9mm decrease since 7:00 on October 25)
Unit 4	—	O.P.+ 2,988 mm (8mm decrease since 7:00 on October 25)	O.P.+ 2,991 mm (32mm decrease since 7:00 on October 25)

<Monitoring of Radioactive Materials>

Nuclide Analysis of Seawater (Reference)

※Since Oct 24, an approach to decrease the detection limits of radioactivity density was started.

Place of sampling	Date of sampling	Time of sampling	Ratio of density limit (times)		
			I-131	Cs-134	Cs-137
Approx. 30m North of Discharge Channel of 5-6U of 1F	10/25	8:40	ND	0.05	0.04
Approx. 330m South of Discharge Channel of 1-4U of 1F	10/25	8:15	ND	0.03	0.03
North Discharge Channel of 2F (Approx. 10km from 1F)	10/25	8:25	ND	ND	0.02
3km offshore of Natsui River Upper Layer	10/24	6:40	ND	0.02	0.03

・ Results of nuclide analysis of seawater, sampled on October 25 at 1 point around the Fukushima coastal area and sampled on October 24 at 5 points around the Fukushima offshore area, are all ND for the 3 major nuclides (iodine-131, cesium-134 and cesium-137).

<Cooling of Spent Fuel Pools> (As of 11:00 on October 26)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation (11:22 on August 10 -)	24.0 ℃
Unit 2	Circulating Cooling System	Under operation (17:21 on May 31 -)	29.0 ℃
Unit 3	Circulating Cooling System	Under operation (18:33 on June 30 -)	26.3 ℃
Unit 4	Circulating Cooling System	Under operation (10:08 on July 31 -)	34.0 ℃

[Unit 4] ・8/20～ We started operation of desalinating facility of the spent fuel pool.

<Water Injection to Pressure Containment Vessels> (As of 11:00 on October 26)

Unit	Status of injecting water	Feed-water nozzle Temp.	Reactor pressure vessel Bottom temp.	Pressure of primary containment vessel
Unit 1	Injecting freshwater (Feed Water System: Approx. 4.0 m^3/h)	68.5℃	70.6℃	119.5 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx. 3.1 m^3/h,Core Spray System: Approx. 7.2 m^3/h)	73.0℃	78.0℃	122 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx. 3.0 m^3/h,Core Spray System: Approx. 8.0 m^3/h)	68.6℃	71.9℃	101.5 kPaabs

[Unit 1] At 17:48 on October 25, an alarm indicating the decrease of injection volume to the reactor was generated and we confirmed the volume at approx. 3.0 m^3/h to the reactor.