Plant Status of Fukushima Daiichi Nuclear Power Station

October 3, 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]

From June 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
2u	・2u Vertical Shaft of Trench → Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building]	・9/13 9:51～ Transferring
3u	・3u T/B →Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building]	・9/30 10:00～ Transferring
6u	・6u T/B → temporary tanks	・10/3 10:00~16:00 Transferred

Transfer to:	Status of Water Level (as of 7:00 on 10/3)
Process Main Building	Water level：O.P.+ 4,270 mm (Accumulated total increase：5,487mm) 131 mm decrease from 10/2 7:00
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level：O.P.+ 2,231mm (Accumulated total increase：2,957 mm) 136mm increase from 10/2 7:00

10/3 10:37~15:37 We transferred the accumulated water from the on-site bunker building to the process main building

◇Water level at the vertical shaft of the trench and T/B (as of 10/3 7:00)

	Vertical Shaft of Trench	T/B	R/B
1u	O.P. <+850mm (No change since 10/2 7:00)	O.P. +4,950mm (1mm decrease since 10/2 7:00)	O.P. +4,434mm (105mm decrease since 10/2 7:00)
2u	O.P. +2,725mm (20mm decrease since 10/2 7:00)	O.P. +2,784mm (17mm decrease since 10/2 7:00)	O.P. +2,862mm (17mm decrease since 10/2 7:00)
3u	O.P. +3,239mm (11mm decrease since 10/2 7:00)	O.P. +3,004mm (11mm decrease since 10/2 7:00)	O.P. +3,140mm (7mm decrease since 10/2 7:00)
4u	—	O.P. +3,059mm (5mm decrease since 10/2 7:00)	O.P. +3,076mm (9mm decrease since 10/2 7:00)

[Unit 3] 10/3 10:59~ We started transferring the accumulated water from the condenser to the basement in the turbine building.

<Monitoring of Radioactive Materials>
Nuclide Analysis of Seawater (Reference)
*Results of nuclide analysis of seawater, sampled on October 2 at 4 points around the Fukushima coastal area and 6 points offshore are all ND for the 3 major nuclides (iodine-131, cesium-134 and cesium-137).

<Cooling of Spent Fuel Pools> (as of 10/3 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
1u	Circulating Cooling System	Operating from 8/10 11:22	24.5℃
2u	Circulating Cooling System	Operating from 5/31 17:21	27.0℃
3u	Circulating Cooling System	Operating from 6/30 18:33	25.0℃
4u	Circulating Cooling System	Operating from 7/31 10:08	35℃

【Unit 4】 8/20~ We started operation of desalinating facility of the spent fuel pool.
10/3 8:54~15:03 Due to the replacement work of the secondary cooling system pipes in the circulation cooling system, we stopped the secondary cooling system

<Water Injection to Pressure Containment Vessels> (as of 10/3 11:00)

Unit	Status of injecting water	Temp. of feed-water nozzle	Bottom of reactor pressure vessel	Pressure of Primary Containment Vessel
1u	Injecting freshwater (approx. 3.6m^3/h)	74.9℃	77.0℃	122.5 kPaabs
2u	Injecting freshwater (Feed Water System: approx. 3.8m^3/h CS System: approx. 6.0 m^3/h)	87.6℃	96.9℃	110 kPaabs
3u	Injecting freshwater (Feed Water System: approx. 2.5m^3/h CS System: approx. 8.0 m^3/h)	74.8℃	77.3℃	101.5 kPaabs

【Unit 4】【Unit 5】【Unit 6】 No particular changes in parameters.

<Others>

- 4/10 ～ Clearance of outdoor rubbles by remote control to improve working conditions.
- 6/3～ Restoration works of port related facilities has been under operation.
- 7/12~ Construction work of installing steel pipe sheet pile against water leakage in the water intake channel.
- 9/28 Completed installation of steal sheet piles etc.
- 6/28～ Main construction work for installing the cover for the reactor building of Unit 1
- 8/10～9/9 Implemented setting up iron framework of the cover for the reactor building of Unit 1
- 9/10～ Conducting installment of wall panel for cover of reactor building of Unit 1
- 10/3 8:55～12:05 Conducting dust sampling at the apertural area of the reactor building of Unit 1
- 10/3 As it was confirmed that there was a tendency of a decrease in the flow rate in residual heat removal system seawater pumps (C) of Unit 6, we, at 11:20, stopped residual heat removal system (A) pumps and at 11:21 residual heat removal system seawater pumps (C) and checked them.
  As a result, no abnormal events were confirmed and therefore at 11:54 we activated the residual heat removal system seawater pumps (C) and the residual heat removal system (A) pumps at 12:44.

END