Plant Status of Fukushima Daiichi Nuclear Power Station

October 4, 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.
- 10/4 11:38 Isolated circulating operation of the decontamination instrument has started in order to purify the water in the waste treatment water tank.*

*On September 15, an increase in the radioactivity concentration of the processed water was detected after the water was processed in the decontamination instrument. According to the investigation thereafter, the increase was estimated that it was caused by the influx of highly radioactive sludge water into the waste water treatment tank when the water in the primary despondence tank was drained to change the stirrer.

[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～ 10/4 13:16 Transferred
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	・10/4 No plan to transfer

Transfer to:	Status of Water Level （as of 7:00 on 10/4）
Process Main Building	Water level：O.P.+ 4,123 mm（Accumulated total increase：5,340mm） 147 mm decrease from 10/3 7:00
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level：O.P.+ 2,388mm（Accumulated total increase：3,114 mm） 157mm increase from 10/3 7:00

◇Water level at the vertical shaft of the trench and T/B (as of 10/4 7:00)

	Vertical Shaft of Trench	T/B	R/B
1u	O.P. <+850mm (No change since 10/3 7:00)	O.P. +4,945mm (5mm decrease since 10/3 7:00)	O.P. +4,345mm (89mm decrease since 10/3 7:00)
2u	O.P. +2,705mm (20mm decrease since 10/3 7:00)	O.P. +2,763mm (21mm decrease since 10/3 7:00)	O.P. +2,850mm (12mm decrease since 10/3 7:00)
3u	O.P. +3,241mm (2mm increase since 10/3 7:00)	O.P. +3,045mm (41mm decrease since 10/3 7:00)	O.P. +3,174mm (34mm increase since 10/3 7:00)
4u	—	O.P. +3,048mm (11mm decrease since 10/3 7:00)	O.P. +3,073mm (3mm 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 3 at 4 points around the Fukushima coastal area and 8 points offshore are all ND for the 3 major nuclides (iodine-131, cesium-134 and cesium-137).

<Cooling of Spent Fuel Pools> (as of 10/4 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
1u	Circulating Cooling System	Operating from 8/10 11:22	23.5℃
2u	Circulating Cooling System	Operating from 5/31 17:21	26.0℃
3u	Circulating Cooling System	Operating from 6/30 18:33	23.8℃
4u	Circulating Cooling System	Operating from 7/31 10:08	36℃

【Unit 4】8/20~ We started operation of desalinating facility of the spent fuel pool.

<Water Injection to Pressure Containment Vessels> (as of 10/4 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）	74.5℃	76.6℃	122.9 kPaabs
2u	Injecting freshwater （Feed Water System: approx. 3.8m^3/h CS System: approx. 6.1 m^3/h）	86.3℃	95.0℃	110 kPaabs
3u	Injecting freshwater （Feed Water System: approx. 2.3m^3/h CS System: approx. 8.0 m^3/h）	74.3℃	76.6℃	101.5 kPaabs

【Unit 2】10/4 3:00pm The amount of water injected to reactor was adjusted from approx. 6.0 m^3/h to approx. 7.0 m^3/h. No change in the amount of water injection from the reactor feed water system.

【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.
- 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

END