Plant Status of Fukushima Daiichi Nuclear Power Station

August 11, 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.
- 7/2 18:00 We completed installing buffer tanks and resumed circulating injection cooling via buffer tanks.
- 8/1 17:00 Water injection and water flow test of Cesium adsorption Instruments No.2 (SARRY) started.
- 8/7 16:11 Evaporative Concentration Facility, which was additionally installed to Water Treatment Facility to produce fresh water from concentrated seawater generated at Water Desalination Facility, has started full operation.
- 8/9 1:50 Due to the power source stoppage of Suppression Pool Water Surge-Tank (hereafter "SPT"), SPT Waste Liquid Pump and SPT Receiving Water Transfer Pump have stopped. An alarm showed low water level of Waste Liquid Reverse Osmosis Membrane Supply Tank.
  6:57 Completed the reparation of SPT Receiving Tank's water level gauge.
  9:35 Since Waste Liquid Reverse Osmosis Membrane Supply Tank' water level has restored, we resumed the operation of Water Desalinations.
- -/811 12:25 Alarm was generated due to malfunction of a water level indicator in one of two lines of the decontamination instrument tank, and the water treatment facility was automatically stopped.
  12:40 It was replaced by the other water level indicator, an the water treatment facility was started up. At 12:58, the flow reached to the rated flow.

[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 [Process Main Building]	・8/1016:47～ Transferring is in operation
3u	・3u T/B → Central Radioactive Waste Treatment Facility [Process Main Building]	・8/5 8:42～ Transferring is in operation
6u	・6u Turbine Building → temporary tanks	・8/8 11:00～Transferring is in operation
	・Temporary tanks →Mega Float	・8/9 10:00～Transferring is in operation (※1)

Transfer to:	Status of Water Level (as of 7:00 on 8/10)
Process Main Building	Water level：O.P.+ 5,284mm (Accumulated total increase：6,501mm) 7 mm decrease from 8/10 7:00 am
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level：O.P.+ 3,531mm (Accumulated total increase：4,257mm) 56 mm decrease from 8/9 4:00 pm

(※1) 8/9 10:00 Started the transferring of accumulated water from temporary tanks to Mega Float.
Around 10:12 Since the leakage from transferring hose was confirmed, we stopped transferring.
13:35 We replaced the leaked part of transferring hose and resumed transferring.

◇Water level at the vertical shaft of the trench and T/B (as of 8/11 7:00 am)

	Vertical Shaft of Trench (from top of grating to surface)	T/B
1u	O.P. <+850mm (>3,150mm), No change since 8/10 7:00 am	O.P. +4,920mm, No change since 8/10 7:00 am
2u	O.P. +3,608mm (392mm), 4mm increase since 8/10 7:00 am	O.P. +3,542mm, 12mm decrease since 8/10 7:00 am
3u	O.P. +3,631mm (369mm), 85mm decrease since 8/10 7:00 am※	O.P. +3,542mm, 12mm decrease since 8/10 7:00 am
4u	—	O.P. +3,550mm, 14mm decrease since 8/10 7:00 am

・ Water level at Unit 1 R/B: 8/11 7:00 am, O.P. +4,624 mm, 5mm increase since 8/10 7:00 am.

※ Measured by the new water level indicator since 7:00 am on 8/10.

<Monitoring of Radioactive Materials>

◇ Nuclide Analysis of Seawater (Reference)

The results of the samples collected at 4 seashore points and 5 points on August 10 are all N.D.

<Cooling of Spent Fuel Pools>

Unit	Cooling type	Status of cooling	Temperature of water in Pool
1u	Circulating Cooling System	Operating from 8/10 11:22 am	41.5℃ (8/11 12:00)
2u	Circulating Cooling System	Operating from 5/31 5:21 pm	36.0℃ (8/11 11:00)
3u	Circulating Cooling System	Operating from 6/30 6:33 pm	33.6℃ (8/11 11:00)
4u	Circulating Cooling System	Operating from 7/31 10:08 pm	42℃ (8/11 11:00)

<Water Injection to Reactor Pressure Vessels> (as of 8/11 11:00 am)

Unit	Status of injecting water	Temp. of feed-water nozzle	Bottom of reactor pressure vessel	Pressure of Primary Containment Vessel
1u	Injecting freshwater (approx. 3.9m^3/h)	104.1℃	93.6℃	131.41kPaabs
2u	Injecting freshwater (approx. 3.8m^3/h)	109.3℃	116.4℃	125 kPaabs
3u	Injecting freshwater (approx. 9.0 to 9.1 m^3/h)	115.6℃	104.6℃	101.5 kPaabs

【Units 4】【Unit 5】【Units 6】【Common spent fuel pool】 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.
- 6/28～ Main construction work for installing the cover for the reactor building of Unit 1
- 8/10 Started setting up iron framework of the cover for the reactor building of Unit 1
-8/11 approx. 11:20 Since a little water leakage in the primary hose of the circulating cooling equipment for the spent fuel pool in the centralized radiation waste treatment facility of Unit 4 was confirmed, the leakage part was covered and reinforced with plastic.

END