Plant Status of Fukushima Daiichi Nuclear Power Station

April 30th, 2011
Tokyo Electric Power Company

<Draining Water at Underground Floor of Turbine Building (T/B)>

◇ Transference of water of Unit 2 to Central Radioactive Waste Treatment Facility

- From 10:08 am, April 19th, transferring water from the vertical shaft of the trench of Unit 2 to Central Radioactive Waste Treatment Facility was started.
- At 9:16 am, April 29th, in order to check the transferring facilities and enhance the investigating function, transferring water was temporarily suspended (Water level increase at Process Main Building: 1,182 mm (as of 9:16 am on April 29th).
- Around 2:15pm, April 30th, we re-started transferring water.

◇Water level at the vertical shaft of the trench and T/B (As of 7:00 am on April 30th)

	Vertical Shaft of Trench (from top of grating to surface)	T/B
Unit 1	1,940 mm (O.P. +2,060 mm)	O.P. +5,050 mm (150 mm from the bottom)
Unit 2	850 mm (O.P. +3,150 mm)	O.P. +3,100 mm (1,200 mm from the bottom)
Unit 3	920 mm (O.P. +3,80 mm)	O.P. +3,000 mm (1,100 mm from the bottom)
Unit 4	—	O.P. +3,050 mm (1,200 mm from the bottom)

*: As a result of flashing the transferring line from Unit 2 to Central Radioactive Waste Treatment Facility yesterday, water level of vertical shaft of trench of Unit 1 has changed from 1,530 mm (O.P. +2,470 mm) to 1,940 mm (O.P. + 2,060 mm).

<Monitoring of Radioactive Materials>

◇ Density of Iodine 131 in the seawater (Reference purpose)
Density limit by the announcement of Reactor Regulation: 0.04Bq/cm^3

Sampling: Everyday

Sampling Location (seacoast)	Date	Time	Density (Bq/cm^3)	Ratio to Criteria (times)

Approx. 30m north to Discharge Canal of Units 5 & 6 of Fukushima Daiichi	4/29	9:00	14:10	0.028	0.015	Approx.0.7	Approx. 0.38
Approx. 330m south to Discharge Canal of Units 1 to 4 of Fukushima Daiichi.	4/29	8:30	13:50	0.018	0.024	Approx.0.45	Approx.0.60
Around the north Discharge Canal of Fukushima Daini (10km from Fukushima Daiichi)	4/29	8:30		0.015		Approx.0.38	
Around Iwasawa Seashore (approx. 16km from Fukushima Daiichi)	4/29	8:10		0.012		Approx.0.30	

Sampling Location (offshore)	Date	Time	Density (Bq/cm^3)	Ratio to Criteria (times)
Approx. 3km from the offshore of Haramachi Ward	4/29	10:59	0.0054	Approx. 0.14
Approx. 3km from the offshore of Odaka Ward	4/29	10:39	0.0052	Approx. 0.13
Approx. 3km from the offshore of Iwasawa	4/29	8:02	0.012	Approx. 0.30
Approx. 3km from the offshore of the north of Iwaki City	4/29	7:34	0.0083	Approx. 0.21
Approx. 3km from the offshore of Natsuigawa River	4/29	6:59	0.010	Approx. 0.25
Approx. 3km from the offshore of Onahama port	4/29	5:59	Below detection level	—
Approx. 8km from the offshore of Odaka Ward	4/29	10:06	0.010	Approx. 0.25
Approx. 8km from the offshore of Iwasawa	4/29	8:35	0.016	Approx. 0.40
Approx. 15km from the offshore of Minamisoma City	4/29	9:45	0.016	Approx. 0.40
Approx. 15km from the offshore of Ukedo River	4/29	9:25	0.012	Approx. 0.30
Approx. 15km from the offshore of Fukushima Daiichi	4/29	9:00	0.021	Approx. 0.53
Approx. 15km from the offshore of Fukushima Daini	4/29	8:40	0.016	Approx. 0.40

Approx. 15km from the offshore of Iwasawa Seashore	4/29	8:20	0.010	約 0.25
Approx. 15km from the offshore of Hirono Town	4/29	7:55	Below detection level	—

<Water Injection and Spraying to Spent Fuel Pools>

◇Actual Results on April 29th

No water injection or spraying

◇Plan on April 30th

No plan of water injection or spraying

◇ Others

- We are conducting detailed nuclide analysis on the water collected on April 12th from the spent fuel pool of Unit 4.
- We are conducting detailed nuclide analysis on the water collected on April 16th from the skimmer surge tank of Unit 2.
- From April 22nd, we started to examine the level of water and the dose of radiation, etc. of the spent fuel pool of Unit 4.

<Water Injection to Reactor Pressure Vessels>

【Unit 1】 Injecting fresh water:
Reactor pressure vessel temperature:
At 11:00am, April 30th, <Feed-water nozzle> 134.9 ℃
<Bottom of reactor pressure vessel> 102.7 ℃

【Unit 2】 Injecting fresh water
Reactor pressure vessel temperature:
At 11:00am, April 30th, <Feed-water nozzle> 118.9 ℃

【Unit 3】 Injecting fresh water
Reactor pressure vessel temperature:
At 11:00am, April 30th, <Bottom of reactor pressure vessel> 113.4℃

【Unit 4】【Common spent fuel pool】No particular changes on parameters.

【Units 5/6】 Reactor cold shutdown. No particular changes on parameters.

- At 10:14am on April 29th, we changed the amount of injecting freshwater to the reactor of Unit 1 from 10 m^3/h to 6m^3/h.
- From 11:36am to 2:05pm on April 29th, we have checked the status of the 1st floor of the reactor building of Unit 1 and confirmed that there was no significant water leakage from the primary containment vessel.

<Injection of Nitrogen Gas to the Primary Containment Vessel of Unit 1

(PCV)>

◇ Injection of nitrogen gas

- From 1:31am, April 7th, we started to inject nitrogen gas to PCV using temporary nitrogen generators.
- At 1:20am, April 7th, before we injected nitrogen gas, the D/W pressure was 156.3kPaabs and it has changed to 131.4kPaabs, as of 11:00am, April 30th. The injected amount of nitrogen gas was approx. 15,200m³.

<Others>

- Since April 26th, we have started spraying the dust inhibitor in full swing (On April 29th, approx. 12,800 m² were sprayed at mountain side area of Unit 5 and sea side area of Unit 4 T/B; On April 30th, approx. 7,000 m² are planned to be sprayed at west side of shallow draft quay and mountain-side of T/B of Unit 4.)
- Since April 10th, we have been clearing outdoor rubbles by a remote control. (On April 28th, the work was conducted)
- By April 19th, we completed the construction work to strengthen the offsite power supply security between Unit 1 & 2 and Unit 3 & 4 (by setting up multiple power sources).
- At 12:08 pm, on April 30th, construction work to strengthen offsite power supply to Unit 3 and 4 (from Okuma line (3L)) completed.
- On April 25th, construction work to strengthen the offsite power supply between Unit 1 & 2 and Unit 5 & 6 (by securing multiple power supply) completed.

End