Plant Status of Fukushima Daiichi Nuclear Power Station

May 6th, 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 to 9:16 am, April 29th, and after 2:05 pm, April 30th transferring water from the vertical shaft of the trench of Unit 2 to Central Radioactive Waste Treatment Facility is implemented.
  (Water level increase at Process Main Building since the start of the transfer: 1,834 mm as of 7:00 am on May 6th).
- From May 1st, transferring water accumulated in the basement of the turbine building of Unit 6 to temporary tanks was started.
  (No transfer on May 5th, transferring water approximately 120m3 on May 6th)

◇Water level at the vertical shaft of the trench and T/B (As of 7:00 am, May 5th)

	Vertical Shaft of Trench (from top of grating to surface)	T/B
Unit 1	O.P. +2,060 mm (1,940 mm) not changed since 7:00 am, May 5th	O.P. +5,050 mm not changed since 7:00 am, May 5th
Unit 2	O.P. +3,130 mm (870 mm) 20mm decreased since 7:00 am, May 5th	O.P. +3,100 mm not changed since 7:00 am, May 5th
Unit 3	O.P. +3,170 mm (830 mm) 20mm increased since 7:00 am, May 5th	O.P. +3,100 mm not changed since 7:00 am, May 5th
Unit 4	—	O.P. +3,200 mm not changed since 7:00 am, May 5th

- From May 1st, Blockage at the vertical shaft of trench is being implemented at Unit 2.

<Monitoring of Radioactive Materials>

◇ Density of Iodine 131 in the seawater (Reference purpose)
Density limit by the announcement of Reactor Regulation: 0.04Bq/cm3

Sampling: Everyday

Sampling Location (seacoast)	Date	Time		Density (Bq/cm3)		Ratio to Criteria (times)	
Approx. 30m north to Discharge Canal of Units 5 & 6 of Fukushima Daiichi	5/5	9:40	14:35	0.0098	Below detection level	0.25	-
Approx. 330m south to Discharge Canal of Units 1 to 4 of Fukushima Daiichi.	5/5	9:10	14:10	0.017	0.077	0.43	0.19
Around the north Discharge Canal of Fukushima Daini (10km from Fukushima Daiichi)	5/5	8:30		Below detection level		-	
Around Iwasawa Seashore (approx. 16km from Fukushima Daiichi)	5/5	8:05		Below detection level		-	

Sampling Location (offshore)	Date	Time	Density (Bq/cm3)	Ratio to Criteria (times)
Approx. 3km from the offshore of Soma City, upper layer	5/5	10:20	Below detection level	-
Approx. 3km from the offshore of Soma City, lower layer	5/5	10:20	Below detection level	-
Approx. 3km from the offshore of Haramachi Ward, Minamisoma City	5/5	10:32	Below detection level	-
Approx. 3km from the offshore of Odaka Ward, Minamisoma City	5/5	10:12	Below detection level	-
Approx. 3km from the offshore of Iwasawa, Naraha Town	5/5	8:11	Below detection level	-
Approx. 3km from the offshore of the north of Iwaki City	5/5	7:45	Below detection level	-
Approx. 3km from the offshore of Natsuigawa River, Iwaki City	5/5	7:15	Below detection level	-
Approx. 3km from the offshore of Onahama Port, Iwaki City	5/5	6:02	Below detection level	-
Approx. 3km from Ena, Iwaki City	5/5	6:19	Below detection level	-

Sampling Location (offshore)	Date	Time	Density (Bq/cm3)	Ratio to Criteria (times)
Approx. 3km from Numanouchi, Iwaki City	5/5	6:57	Below detection level	-
Approx. 3km from Toyoma, Iwaki City	5/5	6:41	Below detection level	—
Approx. 8km from the offshore of Odaka Ward, Minamisoma City	5/5	10:05	0.0031	0.08
Approx. 8km from the offshore of Iwasawa, Naraha Town	5/5	8:33	Below detection level	-
Approx. 15km from the offshore of Minamisoma City	5/5	9:05	Below detection level	-
Approx. 15km from the offshore of Ukedo River, Namie Town	5/5	9:30	Below detection level	-
Approx. 15km from the offshore of Fukushima Daiichi	5/5	9:05	Below detection level	-
Approx. 15km from the offshore of Fukushima Daini	5/5	8:40	Below detection level	-
Approx. 15km from the offshore of Iwasawa Seashore, Naraha Town	5/5	8:15	Below detection level	-
Approx. 15km from the offshore of Hirono Town	5/5	7:55	Below detection level	-

<Water Injection and Spraying to Spent Fuel Pools>

◇Actual Result on May 5th

【Unit 4】 From around 12:19 pm to 8:46pm, fresh water spraying started by the concrete pumping vehicle (approximately 270t).

◇Plan and Actual Result on May 6th

【Unit 2】 From 9:36 am to 11:16 am on May 6th, we conducted water spray, using temporary electric pump.

【Unit 4】From 12:38 pm on May 6th, we started water spay by the concrete pumping vehicle.

◇ Others

- We are conducting detailed nuclide analyses on the water collected on April 12th from the spent fuel pool of Unit 4.
- We are conducting detailed nuclide analyses 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, May 6th, <Feed-water nozzle> 134.1 ℃

<Bottom of reactor pressure vessel> 102.6 ℃

At 10:01 am on May 6th, in order to make nuclear reactor flooded to the top of Fuel range, we have increased the amount of injecting freshwater from approximately 6 m 3/h to approximately 8m 3/h.

【Unit 2】 Injecting fresh water

Reactor pressure vessel temperature:

At 11:00am, May 6th, <Feed-water nozzle> 116.4 ℃

【Unit 3】 Injecting fresh water

Reactor pressure vessel temperature:

At 11:00am, May 6th, <Bottom of reactor pressure vessel> 147.4℃

- At 10:09 am, on May 4th, we changed the amount of injecting freshwater to the reactor pressure vessel of Unit 3 from 7.0 m^3/h to 9.0m^3/h. Temperature change is being monitored.

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

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

<Injection of Nitrogen Gas to the Primary Containment Vessel of Unit 1 (PCV)>

◇ Injection of nitrogen gas

- From 1:31 am, 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 134.8kPaabs, as of 11:00am, May 6th. The injected amount of nitrogen gas was approx. 19,300m^3.

<Others>

- Since April 10th, we have been clearing outdoor rubbles by a remote control. (On May 5th, the work is conducted)
- Since April 26th, we have continued to spray the dust inhibitor (On May 4th, approx. 9,200 m^2 was sprayed at the west side of the reactor building of Unit 3, the west side slope of shallow draft quay and so on. On May 5th, approx. 9,150 m^2 is planned to be sprayed at the west side of shallow draft quay, the west side of the reactor building of Unit 2 and so on.)
- From May 2nd, preparation work to install the ambient air filtration system

is conducted in order to improve the work environment in the reactor building of Unit 1.

At 16:36 on May 6, air ventilation is commenced in reactor building by six (total 6) ambient air filtration system.