

Plant Status of Fukushima Daiichi Nuclear Power Station

May 9th, 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, from 2:05 pm April 30th to 9:22 am May 7th and after 4:02 pm May 7, 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: 2,146 mm as of 7:00 am on May 9th).
- From May 1st, transferring water accumulated in the basement of the turbine building of Unit 6 to temporary tanks was started. (From 2:00 pm to 5:00 pm on May 6th: Transferring water approximately 120m3. From approx. 10:00 am to approx. 3:00 pm on May 7th: Transferring water approximately 200m3. From approx. 14:00 am on May 9th: Transferring water approximately 50m3.)
- Transfer water from the condenser of Unit 3 to the basement of the turbine building started from 16:18 on May 8th.

□Water level at the vertical shaft of the trench and T/B (As of 7:00 am, May 9th)

	Vertical Shaft of Trench (from top of grating to surface)	T/B
Unit 1	O.P. +1,630 mm (2,370 mm) not changed since 7:00 am, May 8 th	O.P. +5,050 mm not changed since 7:00 am, May 8 th
Unit 2	O.P. +3,130 mm (870 mm) decreased by 10mm since 7:00 am, May 8 th	O.P. +3,100 mm not changed since 7:00 am, May 8 th
Unit 3	O.P. +3,230 mm (770 mm) increased by 30mm since 7:00 am, May 8 th	O.P. +3,200 mm increased by 100mm since 7:00 am, May 8 th
Unit 4	-	O.P. +3,280 mm increased by 80mm since 7:00 am, May 8 th

- 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:

I-131:0.04Bq/cm³ , Cs-134:0.06Bq/cm³ , Cs-137: 0.09Bq/cm³

Sampling: Everyday

Sampling Location (seacoast)	Date	Time	Ratio to Criteria (times)		
			Iodine-131	Cesium-134	Cesium-137
Approx. 30m north to Discharge Canal of Units 5 & 6 of Fukushima Daiichi	5/8	9:00/14:15	0.88/1.7	1.8/2.5	1.2/1.8
Approx. 330m south to Discharge Canal of Units 1 to 4 of Fukushima Daiichi.	5/8	8:35/13:55	ND/ND	1.1/0.82	0.60/0.73
Around the north Discharge Canal of Fukushima Daini (10km from Fukushima Daiichi)	5/8	8:25	0.11	0.65	0.49
Around Iwasawa Seashore (approx. 16km from Fukushima Daiichi)	5/8	7:55	ND	0.58	0.40

No sampling for offshore due to severe condition of weather on May 8th.

<Water Injection and Spraying to Spent Fuel Pools>

- Result on May 8th
 [Unit 3] From 12:10 to 14:10 fresh water injection through the fuel pool cooling and filtering system of Unit 3 (approx 60t).
- Plan for May 9th
 [Unit 3] From 12:14 to 15:00, fresh water injection through the fuel pool cooling and filtering system. (From 12:39 to 14:36, hydrazine will also be injected)
 [Unit 4] Spraying water(including hydrazine) into SFP of Unit 4 by 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.
- As to Unit 3, we collected samples of spent fuel pool water and conducted inside inspection by using camera.

<Water Injection to Reactor Pressure Vessels>

[Unit 1] Injecting fresh water:

Reactor pressure vessel temperature:

At 11:00am, May 9th, <Feed-water nozzle> 116.6

<Bottom of reactor pressure vessel> 95.3

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 m³/h to approximately 8m³/h.

[Unit 2] Injecting fresh water

Reactor pressure vessel temperature:

At 11:00am, May 9th, <Feed-water nozzle> 115.6

[Unit 3] Injecting fresh water

Reactor pressure vessel temperature:

At 11:00am, May 9th, <Bottom of reactor pressure vessel> 154.3

- 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 m³/h to 9.0m³/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 124.2kPaabs, as of 11:00am, May 9th. The injected amount of nitrogen gas was approx. 21,300m³.

<Improvement of working environment in the reactor building, Unit 1>

- At 20:02 on May 8th, we stopped local exhausters to improve the working environment in the reactor building, Unit 1
- At 20:08 on May 8th, we started ventilation after the detachment of exhaust ducts of local exhausters

- At 4:17 on May 9th, we fully opened double doors and evaluated that there was no impact on the surrounding area based on the measure of air dose rate.
- Afternoon of May 9th, we conducted investigations of the site. From tomorrow we plan to modify and install indicators in preparing for flooding.

<Others>

- Since April 10th, we have been clearing outdoor rubbles by a remote control to improve working environment.
- Since April 26th, we have continued to spray the dust inhibitor (On May 7th, approx. 5,150 m² was sprayed at the west side of the shallow draft quay. On May 8th, spraying has been conducted at the west side of shallow draft quay).
- May 8th, Commenced preparation work for installing support structure into the bottom of fuel spent pool of reactor building.

END