

## Plant Status of Fukushima Daiichi Nuclear Power Station

May 1<sup>st</sup>, 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 19<sup>th</sup>, 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 29<sup>th</sup>, 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 29<sup>th</sup>)).
- Around 2:15pm, April 30<sup>th</sup>, we re-started transferring water.
- From 2:00pm, May 1<sup>st</sup>, started transferring puddle water in the basement of the turbine building, Unit 6 to temporary tanks

Water level at the vertical shaft of the trench and T/B (As of 7:00 am, May 1<sup>st</sup>)

	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	840 mm (O.P. +3,160 mm)	O.P. +3,100 mm (1,200 mm from the bottom)
Unit 3	900 mm (O.P. +3,100 mm)	O.P. +3,050 mm (1,150 mm from the bottom)
Unit 4	-	O.P. +3,100 mm (1,200 mm from the bottom)

### <Monitoring of Radioactive Materials>

Density of Iodine 131 in the seawater (Reference purpose)

Density limit by the announcement of Reactor Regulation: 0.04Bq/cm<sup>3</sup>

Sampling: Everyday

Sampling Location (seacoast)	Date	Time		Density (Bq/cm <sup>3</sup> )		Ratio to Criteria (times)	
Approx. 30m north to Discharge Canal of Units 5 & 6 of Fukushima Daiichi	4/30	9:00	14:15	0.043	0.036	Approx.1.1	Approx. 0.90

Approx. 330m south to Discharge Canal of Units 1 to 4 of Fukushima Daiichi.	4/30	8:40	14:00	0.017	0.014	Approx.0.43	Approx.0.35
Around the north Discharge Canal of Fukushima Daini (10km from Fukushima Daiichi)	4/30	8:30		0.015		Approx.0.38	
Around Iwasawa Seashore (approx. 16km from Fukushima Daiichi)	4/30	8:05		0.015		Approx.0.38	

On April 30<sup>th</sup> no sampling from offshore six points because of the bad weather

Sampling Location (offshore)	Date	Time	Density (Bq/cm <sup>3</sup> )	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	4/30	8:31	0.0085	Approx. 0.21
Approx. 3km from the offshore of the north of Iwaki City	4/30	8:04	0.0085	Approx. 0.21
Approx. 3km from the offshore of Natsuigawa River	4/30	7:33	Below detection level	-
Approx. 3km from the offshore of Onahama port	4/30	6:20	0.014	0.35
Approx. 8km from the offshore of Odaka Ward	4/29	10:06	0.010	Approx. 0.25
Approx. 8km from the offshore of Iwasawa	4/30	8:56	0.014	Approx. 0.35
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	4/30	8:40	0.015	Approx. 0.38
Approx. 15km from the offshore of Iwasawa	4/30	8:15	0.0064	Approx. 0.16

Seashore				
Approx. 15km from the offshore of Hirono Town	4/30	7:55	0.010	Approx. 0.25

From April 29<sup>th</sup>, we began sampling at five points 3km offshore of Ibaragi prefecture (Takadokohama shore, Kujihama shore, Oarai shore, Hirai shore and Namisaki shore). The result on April 29<sup>th</sup> was below detection level at all five points.

From April 30<sup>th</sup>, we began sampling at three points offshore of Fukushima prefecture.

<Water Injection and Spraying to Spent Fuel Pools>

Actual Results on April 30<sup>th</sup>

No water injection or spraying

Plan on May 1<sup>st</sup>

No plan of water injection or spraying

Others

- We are conducting detailed nuclide analysis on the water collected on April 12<sup>th</sup> from the spent fuel pool of Unit 4.
- We are conducting detailed nuclide analysis on the water collected on April 16<sup>th</sup> from the skimmer surge tank of Unit 2.
- From April 22<sup>nd</sup>, 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 1<sup>st</sup>, <Feed-water nozzle> 142.0

<Bottom of reactor pressure vessel> 105.2

[Unit 2] Injecting fresh water

Reactor pressure vessel temperature :

At 11:00am, May 1<sup>st</sup>, <Feed-water nozzle> 118.5

[Unit 3] Injecting fresh water

Reactor pressure vessel temperature :

At 11:00am, May 1<sup>st</sup>, <Bottom of reactor pressure vessel> 118.4

[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 29<sup>th</sup>, we changed the amount of injecting freshwater to the reactor of Unit 1 from 10 m<sup>3</sup>/h to 6m<sup>3</sup>/h.

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

Injection of nitrogen gas

- From 1:31am, April 7<sup>th</sup>, we started to inject nitrogen gas to PCV using temporary nitrogen generators.
- At 1:20am, April 7<sup>th</sup>, before we injected nitrogen gas, the D/W pressure was 156.3kPaabs and it has changed to 137.5kPaabs, as of 11:00am, May 1<sup>st</sup>. The injected amount of nitrogen gas was approx. 15,900m<sup>3</sup>.

<Others>

- Since April 26<sup>th</sup>, we have started spraying the dust inhibitor in full swing (On April 30<sup>th</sup>, approx. 7,400 m<sup>2</sup> were sprayed at the west side of shallow draft quay and the mountain-side of T/B of Unit 4; on May 1, approx. 5,400 m<sup>2</sup> were sprayed at the west side of shallow draft quay and the south side of the reactor building of Unit 4 )
- Since April 10<sup>th</sup>, we have been clearing outdoor rubbles by a remote control. (On May 1<sup>st</sup>, the work was conducted)

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