

Plant Status of Fukushima Daiichi Nuclear Power Station

May 8th, 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: 2,025 mm as of 7:00 am on May 8th).

- 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.)

- Transfer water from the condenser of Unit 3 to the turbine building is planned on May 8th.

Water level at the vertical shaft of the trench and T/B (As of 7:00 am, May 8th)

| | Vertical Shaft of Trench (from top of grating to surface) | T/B |
|--------|---|---|
| Unit 1 | O.P. +1,630 mm (2,370 mm) 430mm decreased since 7:00 am, May 7 th | O.P. +5,050 mm not changed since 7:00 am, May 7 th |
| Unit 2 | O.P. +3,140 mm (860 mm) 20mm increased since 7:00 am, May 7 th | O.P. +3,100 mm not changed since 7:00 am, May 7 th |
| Unit 3 | O.P. +3,200 mm (800 mm) 20mm increased since 7:00 am, May 7 th | O.P. +3,100 mm not changed since 7:00 am, May 7 th |
| Unit 4 | - | O.P. +3,250 mm 50mm increased since 7:00 am, May 7 th |

Decrease in water level of vertical shaft of Trench of Unit 1: Water was used to flush the transferring piping when we temporarily suspended the transferring from the vertical shaft of trench of Unit 2 to the Centralized

Radioactive Waste Treatment Facility on May 7th.

- 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 | Ratio to Criteria (times) | | |
|---|------|------------|---------------------------|------------|------------|
| | | | Iodine-131 | Cesium-134 | Cesium-137 |
| Approx. 30m north to Discharge Canal of Units 5 & 6 of Fukushima Daiichi | 5/7 | 9:00/14:00 | 0.23/0.48 | 1.2/1.5 | 0.89/1.3 |
| Approx. 330m south to Discharge Canal of Units 1 to 4 of Fukushima Daiichi. | 5/7 | 8:35/13:40 | ND/0.30 | 1.5/1.8 | 0.91/1.2 |
| Around the north Discharge Canal of Fukushima Daini (10km from Fukushima Daiichi) | 5/7 | 8:45 | ND | 0.55 | 0.38 |
| Around Iwasawa Seashore (approx. 16km from Fukushima Daiichi) | 5/7 | 8:10 | ND | 0.58 | 0.40 |
| Approx. 3km from the offshore of Haramachi Ward, Minamisoma City | 5/7 | 10:15 | ND | 0.32 | 0.20 |
| Approx. 3km from the offshore of Odaka Ward, Minamisoma City | 5/7 | 10:25 | ND | 0.40 | 0.30 |
| Approx. 3km from the offshore of Iwasawa, Naraha Town | 5/7 | 8:00 | ND | 0.45 | 0.33 |
| Approx. 3km from the offshore of the north of Iwaki City | 5/7 | 7:30 | 0.11 | 0.33 | 0.22 |
| Approx. 3km from the offshore of Natsugawa River, Iwaki City | 5/7 | 7:00 | ND | ND | 0.31 |
| Approx. 3km from the offshore of Onahama Port, Iwaki City | 5/7 | 5:50 | ND | ND | ND |
| Approx. 3km from Ena, Iwaki City | 5/7 | 6:05 | ND | ND | ND |
| Approx. 3km from Numanouchi, Iwaki City | 5/7 | 6:40 | ND | 0.33 | 0.30 |
| Approx. 3km from Toyoma, Iwaki City | 5/7 | 6:25 | ND | ND | ND |
| Approx. 8km from the offshore of Odaka Ward, Minamisoma City | 5/7 | 10:00 | ND | 0.42 | 0.29 |
| Approx. 8km from the offshore of Iwasawa, Naraha Town | 5/7 | 8:20 | ND | 0.30 | 0.21 |
| Approx. 15km from the offshore of Minamisoma City | 5/7 | 9:40 | ND | ND | 0.07 |
| Approx. 15km from the offshore of Ukedo River, Namie Town | 5/7 | 9:15 | ND | 0.09 | 0.07 |
| Approx. 15km from the offshore of Fukushima Daiichi | 5/7 | 9:10 | ND | ND | ND |
| Approx. 15km from the offshore of Fukushima Daini | 5/7 | 8:20 | 0.08 | 0.22 | 0.18 |

| | | | | | |
|---|-----|------|------|------|------|
| Approx. 15km from the offshore of Iwasawa Seashore, Naraha Town | 5/7 | 7:50 | 0.10 | 0.23 | 0.18 |
| Approx. 15km from the offshore of Hirono Town | 5/7 | 7:30 | 0.10 | 0.23 | 0.17 |

No sampling at approx. 3km from the offshore of Soma City on May 6 and 7 (We started sampling from May 5. Sampling frequency is under Consideration.)

<Water Injection and Spraying to Spent Fuel Pools>

Actual Result on May 7th

[Unit 4] From 2:05 pm to 5:30 pm, fresh water spraying started by the concrete pumping vehicle (approximately 120t).

Actual Result on May 8th

[Unit 3] From 12:10 pm to 2:10 pm, fresh water spraying was conducted by the fuel pool cooling and filtering system.

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.
- We plan sampling for water in the spent fuel pool of Unit 3.

<Water Injection to Reactor Pressure Vessels>

[Unit 1] Injecting fresh water:

Reactor pressure vessel temperature:

At 11:00am, May 8th, <Feed-water nozzle> 118.4

<Bottom of reactor pressure vessel> 96.5

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 8th, <Feed-water nozzle> 115.4

[Unit 3] Injecting fresh water

Reactor pressure vessel temperature:

At 11:00am, May 8th, <Bottom of reactor pressure vessel> 151.3

- 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 126.6kPaabs, as of 11:00am, May 8th. The injected amount of nitrogen gas was approx. 20,600m³.

<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).
- At 4:36 pm on May 5, air ventilation is commenced in reactor building by six (total 6) ambient air filtration system in order to improve working environment inside of the reactor building of Unit 1..

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