

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

Status of highly concentrated accumulated radioactive water treatment facility and storage tank facility

[Treatment Facility]

- 6/17 20:00 Full operation of radioactive material removal instruments started.
- 6/24 12:00 Start of desalination facilities operation
- 6/27 16:20 Circulating injection cooling started.
- 8/7 16:11 Evaporative Concentration Facility has started full operation.
- 8/19 19:33 We activated second cesium adsorption facility (System B) and started the treatment of accumulated water by the parallel operation of cesium adsorption instrument and decontamination instrument. At 19:41, the flow rate achieved steady state.
- 12/2 18:00 After completing the construction work to reinforce on-site power, we stopped the evaporative concentration apparatus in order to start receiving power from the power source.
- 12/3 8:04 We stopped the water desalinations (reverse osmosis membrane type).
8:30 We stopped the cesium adsorption apparatus.
13:30 We restarted the water desalinations (reverse osmosis membrane type) after power receiving operation.
14:22 We restarted the cesium adsorption apparatus.

As for the second cesium adsorption apparatus, it is operated without interruption and the treatment of accumulated water is in progress. There is no adverse effect to water injection into the reactor, as purified water in the buffer tank is utilized.

[Storage Facility]

- 6/8 ~ Big tanks to store and keep treated or contaminated water have been transferred and installed sequentially.

Accumulated water in vertical shafts of trenches and at basement level of building

Unit	Draining water source Place transferred	Status
Unit 2	·Unit 2T/B Central Radioactive Waste Treatment Facility [Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)]	·11/30 18:03 – Transferring
Unit 3	·Unit 3T/B Central Radioactive Waste Treatment Facility [Process Main Building]	·11/15 9:25 - Transferring
Unit 6	·Unit 6T/B Temporary tanks	·12/3 No Transferring Planed

Place transferred	Status of Water Level (As of December 3 at 7:00)
Process Main Building	Water level: O.P.+ 2,335 mm(Accumulated total increase:3,552 mm) 45 mm increase since 7:00 on December 2
Miscellaneous Solid Waste Volume Reduction Treatment Building (High Temperature Incinerator Building)	Water level: O.P.+ 1,610 mm(Accumulated total increase:2,336 mm) 79 mm decrease since 7:00 on December 2

Water level of the vertical shaft of the trench, T/B and R/B(As of December 3 at 7:00)

	Vertical Shaft of Trench	T/B	R/B
Unit 1	O.P. <+ 850 mm (No change since 7:00 on	O.P.+ 3,445 mm (30mm increase since 7:00 on	O.P.+ 3,932 mm (28mm decrease since 7:00 on

	December 2)	December 2)	December 2)
Unit 2	O.P.+ 2,934 mm (23mm decrease since 7:00 on December 2)	O.P.+ 2,947 mm (24 mm decrease since 7:00 on December 2)	O.P.+ 3,070 mm (21 mm decrease since 7:00 on December 2)
Unit 3	O.P.+ 3,183 mm (13mm decrease since 7:00 on December 2)	O.P.+ 2,924 mm (14mm decrease since 7:00 on December 2)	O.P.+ 3,140 mm (14mm decrease since 7:00 on December 2)
Unit 4	-	O.P.+ 2,951 mm (18mm decrease since 7:00 on December 2)	O.P.+ 2,979 mm (13mm decrease since 7:00 on December 2)

<Monitoring of Radioactive Materials>

Nuclide Analysis of Seawater (Reference)

Place of sampling	Date of sampling	Time of sampling	Ratio of density limit (times)		
			I-131	Cs-134	Cs-137
Approx. 30m North of Discharge Channel of 5-6U, 1F	12/2	8:50	ND	0.02	ND
Approx. 330m South of Discharge Channel of 1-4U, 1F	12/2	8:30	ND	0.03	0.01
Around Discharge Channel of 3-4U, 2F	12/2	8:20	ND	ND	0.02
Approx. 7 km South of Discharge Channel of 1-2U, 2F	12/2	8:00	ND	0.02	ND

<Cooling of Spent Fuel Pools >(As of December 3 at 11:00)

Unit	Cooling type	Status of cooling	Temperature of water in Pool
Unit 1	Circulating Cooling System	Under operation(11:22 on August 10 -)	15.0
Unit 2	Circulating Cooling System	Under operation(17:21 on May 31 -)	27.0
Unit 3	Circulating Cooling System	Under operation(18:33 on June 30 -)	18.1
Unit 4	Circulating Cooling System	Under operation(10:08 on July 31 -)	22

[Unit 2] · 11/6 ~ We started operation of radioactive material decontamination instrument of spent fuel pool.

<Water Injection to Pressure Containment Vessels >(As of December 3 at 11:00)

Unit	Status of injecting water	Feed-water nozzle Temp.	Reactor pressure vessel Bottom temp.	Pressure of primary containment vessel
Unit 1	Injecting freshwater (Feed Water System: Approx.4.5 m ³ /h)	44.3	45.4	118.2 kPaabs
Unit 2	Injecting freshwater (Feed Water System: Approx.3.1 m ³ /h, Core Spray System: Approx.4.3m ³ /h)	71.6	70.6	114 kPaabs
Unit 3	Injecting freshwater (Feed Water System: Approx.2.0 m ³ /h, Core Spray System: Approx.6.1m ³ /h)	60.3	68.1	101.6 kPaabs

[Unit 4] [Unit 5] [Unit 6] No particular changes in parameters.

<Others>

- 10/7~ Continuously implementing water spray using water after purifying accumulated water of Unit 5 and Unit 6 to prevent spontaneous fire of trimmed trees and diffusion of dust.
- 12/3 around 11:00 The water leaked from the cutting point during the cutting work of the hot-water boiler pipe to demolish the machine room etc, which is east side of the building next to service building unit 1 and 2.
around 11:30 We found it stopped leaking. The water came from the residual water of the

hot-water boiler tank (tank capacity: 14m³) and there is no obvious radiation dosage differences between the water leakage area and the around of the background level.

End