

Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 11:00 on March 9 2018

[Note]
Some indicators might not be functioning properly beyond the normal condition for usage affected by the earthquake and subsequent events. We comprehensively evaluate situation in plants using all the available information from indicators and also focusing on trends, taking uncertainty of indicators into consideration.

	Unit 1	Unit 2	Unit 3	Unit 4
Status of water injection to the reactor	FDW line 1.6m ³ /h CS line 1.4m ³ /h (as of 11:00, 3/9)	FDW line 1.4m ³ /h CS line 1.5m ³ /h (as of 11:00, 3/9)	FDW line 1.4m ³ /h CS line 1.4m ³ /h (as of 11:00, 3/9)	
Temperature at the bottom of RPV	VESSEL BOTTOM HEAD (TE-263-69L1) : 13.2°C VESSEL ABOVE SKIRT JOINT (TE-263-69H1) : 13.0°C VESSEL DOWNCOMMER (TE-263-69G2) : 12.9°C (as of 11:00, 3/9)	VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H3) : 18.7°C RPV TEMPERATURE (TE-2-3-69R) : 18.0°C (as of 11:00, 3/9)	VESSEL BOTTOM ABOVE SKIRT JOT (TE-2-3-69F1) : 18.1°C VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H1) : 16.5°C (as of 11:00, 3/9)	
Temperature in PCV	HVH-12A RETURN AIR (TE-1625A) : 13.3°C HVH-12A SUPPLY AIR (TE-1625F) : 12.9°C (as of 11:00, 3/9)	RETURN AIR DRYWELL COOLER (TE-16-114B) : 19.3°C SUPPLY AIR D/W COOLER HVH2-16B (TE-16-114G#1) : 19.1°C (as of 11:00, 3/9)	RETURN AIR DRYWELL COOLER (TE-16-114A) : 17.7°C SUPPLY AIR D/W COOLER (TE-16-114F#1) : 16.3°C (as of 11:00, 3/9)	
Pressure in PCV	0.45kPa g (as of 11:00, 3/9)	5.12kPa g (as of 11:00, 3/9)	0.30kPa g (as of 11:00, 3/9)	
Flow rate of nitrogen gas injection to Reactors ※3	RPV (RVH) : 13.83Nm ³ /h (JP-A) : 14.29Nm ³ /h (JP-B) : -Nm ³ /h PCV : -Nm ³ /h (as of 11:00, 3/9)	RPV : 12.51Nm ³ /h PCV : -Nm ³ /h (as of 11:00, 3/9)	RPV : 16.66Nm ³ /h PCV : -Nm ³ /h (as of 11:00, 3/9)	
Outlet flow from PCV gas control system	20.1m ³ /h (as of 11:00, 3/9)	20.25Nm ³ /h (as of 11:00, 3/9)	17.63Nm ³ /h (as of 11:00, 3/9)	
Hydrogen concentration in PCV ※1	System A : 0.00vol% System B : 0.00vol% (as of 11:00, 3/9)	System A : 0.04vol% System B : 0.02vol% (as of 11:00, 3/9)	System A : 0.07vol% System B : 0.05vol% (as of 11:00, 3/9)	
Radioactive concentration in PCV (Xe 135) ※2	System A : indicated value 1.29E-03 detection limit 4.00E-04 Ba/cm ³ System B : indicated value 1.20E-03 detection limit 4.00E-04 Ba/cm ³ (as of 11:00, 3/9)	System A : indicated value ND detection limit 1.6E-01 Ba/cm ³ System B : indicated value ND detection limit 1.5E-01 Ba/cm ³ (as of 11:00, 3/9)	System A : indicated value ND detection limit 2.4E-01 Ba/cm ³ System B : indicated value ND detection limit 2.5E-01 Ba/cm ³ (as of 11:00, 3/9)	
Temperature in the spent fuel pool	25.5°C (as of 11:00, 2/1)	28.5°C (as of 5:00, 3/1)	26.6°C (as of 11:00, 3/9)	13.0°C (as of 5:00, 3/9)
FPC skimmer surge tank level	3.50m (as of 11:00, 2/1)	5.67m (as of 11:00, 3/9)	3.78m (as of 11:00, 3/9)	56.42×100mm (as of 11:00, 3/9)

【Information about measurements】

- ※1 : In case that the instrument indicates minus hydrogen density, "0%" is recorded. (Because there's the possibility of minus indication due to the instrumental precision when hydrogen density is very low.)
The hydrogen concentration in the PCV gas control system is provided.
- ※2 : In case that the instrument reading is below measurable limit, "ND" is recorded. The radioactivity density (Xe135) in the PCV gas control system is provided.
- ※3 : Flow rate values are adjusted according to the temperature and the pressure under usage conditions.
- ※4 : Nitrogen gas injection is under suspension.
- ※5 : Due to the planned outage at circulating water cooling system for spent fuel pool of Unit 1, recent data are shown for both temperature of spent fuel pool at Unit 1 and water level of FPC skimmer surge tank.
The estimated water temperature of spent fuel pool at the end of the planned outage scheduled on 17:00 March 12 is approximately 23.5 °C.
- ※6 : Cooling system of the Fuel Pool of Unit 2 is stopped. Therefore, Temperature in the spent fuel pool of Unit 2 show close data.
The estimated water temperature of spent fuel pool at the end of the planned outage scheduled on 17:00 March 12 is approximately 40.4 °C.
- ※7 : The second cooling system for Unit 3 spent fuel pool has been suspended from remodeling work.
The estimated water temperature of spent fuel pool at the end of the planned outage scheduled on 19:00 March 9 is approximately 26.7 °C.
- ※8 : Temperature of spent fuel pool shown in the previous handout as of 5:00 on March 9 2018 at ※7 of 【Information about measurements】 is corrected as follows:
correct : 26.7 °C
incorrect : 27.0 °C
- ※9 : Recorded most recent data for temperature in Unit4 spent fuel pool, since the pump for Unit4 spent fuel pool primary cooling system has been stopped for operation.