

Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 11:00 on March 12 2013

[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 2.4m ³ /h CS line 2.0m ³ /h (as of 11:00, 3/12)	FDW line 0.0m ³ /h CS line 5.5m ³ /h (as of 11:00, 3/12) ※6	FDW line 1.9m ³ /h CS line 3.5m ³ /h (as of 11:00, 3/12)	
Temperature at the bottom of RPV	VESSEL BOTTOM HEAD (TE-263-69L1) : 17.7°C VESSEL ABOVE SKIRT JOINT (TE-263-69H1) : 18.1°C VESSEL DOWNCOMMER (TE-263-69G2) : 18.0°C (as of 11:00, 3/12)	VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H3) : 31.8°C RPV TEMPERATURE (TE-2-3-69R) : 34.2°C (as of 11:00, 3/12)	VESSEL BOTTOM HEAD (TE-2-3-69L1) : 30.6°C VESSEL BOTTOM ABOVE SKIRT JOT (TE-2-3-69F1) : 30.7°C VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H1) : 22.6°C (as of 11:00, 3/12)	
Temperature in PCV	HVH-12A RETURN AIR (TE-1625A) : 19.1°C HVH-12A SUPPLY AIR (TE-1625F) : 17.6°C (as of 11:00, 3/12)	RETURN AIR DRYWELL COOLER (TE-16-114B) : 32.4°C SUPPLY AIR D/W COOLER HVH2-16B (TE-16-114G#1) : 32.0°C (as of 11:00, 3/12)	RETURN AIR DRYWELL COOLER (TE-16-114A) : 29.1°C SUPPLY AIR D/W COOLER (TE-16-114F#1) : 27.3°C (as of 11:00, 3/12)	
Pressure in PCV	107.5kPa abs (as of 11:00, 3/12)	6.01kPa g (as of 11:00, 3/12)	0.26kPa g (as of 11:00, 3/12)	—
Flow rate of nitrogen gas injection to Reactors ※3	RPV : 13.03Nm ³ /h PCV : 20.48Nm ³ /h (as of 11:00, 3/12)	RPV : 15.87Nm ³ /h PCV : -Nm ³ /h (as of 11:00, 3/12) ※4	RPV : 16.84Nm ³ /h PCV : -Nm ³ /h (as of 11:00, 3/12) ※4	
Outlet flow from PCV gas control system	29.71m ³ /h (as of 11:00, 3/12)	18.28Nm ³ /h (as of 11:00, 3/12)	26.5Nm ³ /h (as of 11:00, 3/12)	
Hydrogen concentration in PCV ※1	System A : 0.10vol% System B : -vol% (as of 11:00, 3/12) ※5	System A : 0.05vol% System B : 0.06vol% (as of 11:00, 3/12)	System A : 0.17vol% System B : 0.16vol% (as of 11:00, 3/12)	
Radioactive concentration in PCV (Xe 135) ※2	System A : indicated value 1.76E-03 Bq/cm ³ detection limit 8.95E-04 System B : indicated value 1.93E-03 Bq/cm ³ detection limit 9.90E-04 (as of 11:00, 3/12)	System A : indicated value ND Bq/cm ³ detection limit 2.3E-01 System B : indicated value ND Bq/cm ³ detection limit 2.2E-01 (as of 11:00, 3/12)	System A : indicated value ND Bq/cm ³ detection limit 3.4E-01 System B : indicated value ND Bq/cm ³ detection limit 3.4E-01 (as of 11:00, 3/12)	
Temperature in the spent fuel pool	14.0°C (as of 11:00, 3/12)	13.9°C (as of 11:00, 3/12)	11.1°C (as of 11:00, 3/12)	23°C (as of 5:00, 3/12) ※7
FPC skimmer surge tank level	2.91m (as of 11:00, 3/12)	3.95m (as of 11:00, 3/12)	4.30m (as of 11:00, 3/12)	38.14×100mm (as of 5:00, 3/12) ※7

[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.)

※2 : In case that the instrument reading is below measurable limit, "ND" is recorded.

※3 : Flow rate values are adjusted according to the temperature and the pressure under usage conditions.

※4 : Nitrogen gas injection is under suspension.

※5 : Data missing due to work interrupting the measurement.

※6 : The reactor injection water flow rate is changed due to work in progress.

※7 : Alternative cooling equipment of the Fuel Pool of Unit 4 is stopped. Therefore, Temperature in the spent fuel pool and FPC skimmer surge tank level of Unit 4 show close data. The expected temperature increase at the SFP water is around 0.369°C/h.