Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 11:00 on December 13 2012

[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 2.5㎥/h CS line 2.5㎥/h ※8 (as of 11:00 , 12/13)	FDW line 1.8㎥/h CS line 3.8㎥/h ※8 (as of 11:00 , 12/13)	FDW line 1.8㎥/h CS line 4.3㎥/h ※8 (as of 11:00 , 12/13)	
Temperature at the bottom of RPV	VESSEL BOTTOM HEAD (TE-263-69L1) ：23.9℃ VESSEL ABOVE SKIRT JOINT (TE-263-69H1) ：24.2℃ VESSEL DOWNCOMMER (TE-263-69G2) ：24.2℃ (as of 11:00 , 12/13)	VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H3) ：35.6℃ RPV TEMPERATURE (TE-2-3-69R) ：33.5℃ (as of 11:00 , 12/13)	VESSEL BOTTOM HEAD (TE-2-3-69L1) ：37.1℃ VESSEL BOTTOM ABOVE SKIRT JOT (TE-2-3-69F1) ：37.0℃ VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H1) ：26.3℃ (as of 11:00 , 12/13)	
Temperature in PCV	HVH-12A RETURN AIR (TE-1625A) ：25.2℃ HVH-12A SUPPLY AIR (TE-1625F) ：23.7℃ (as of 11:00 , 12/13)	RETURN AIR DRYWELL COOLER (TE-16-114B) ：36.5℃ SUPPLY AIR D/W COOLER HVH2-16B (TE-16-114G#1) ：36.1℃ (as of 11:00 , 12/13)	RETURN AIR DRYWELL COOLER (TE-16-114A) ：34.8℃ SUPPLY AIR D/W COOLER (TE-16-114F#1) ：33.6℃ (as of 11:00 , 12/13)	
Pressure in PCV	108.1kPa abs (as of 11:00 , 12/13)	4.48kPa g (as of 11:00 , 12/13)	0.27kPa g (as of 11:00 , 12/13)	—
Flow rate of nitrogen gas injection to Reactors ※5	RPV：13.26Nm³/h PCV：20.84Nm³/h (as of 11:00 , 12/13)	RPV：16.70Nm³/h PCV：-Nm³/h ※7 (as of 11:00 , 12/13)	RPV：17.14Nm³/h PCV：-Nm³/h ※7 (as of 11:00 , 12/13)	
Outlet flow from PCV gas control system	28.92㎥/h (as of 11:00 , 12/13)	18.38Nm³/h (as of 11:00 , 12/13)	26.5Nm³/h (as of 11:00 , 12/13)	
Hydrogen concentration in PCV ※3	System A：0.25vol% System B：0.16vol% (as of 11:00 , 12/13)	System A：0.11vol% System B：0.11vol% (as of 11:00 , 12/13)	System A：0.22vol% System B：0.20vol% (as of 11:00 , 12/13)	
Radioactive concentration in PCV (Xe 135) ※4	System A： indicated value - Bq/cm³ ※10 detection limit - System B： indicated value ND detection limit 2.51E-03 Bq/cm³ (as of 11:00 , 12/13)	System A： indicated value ND detection limit 2.3E-01 Bq/cm³ System B： indicated value ND detection limit 2.2E-01 Bq/cm³ (as of 11:00 , 12/13)	System A： indicated value - Bq/cm³ ※11 detection limit - System B： indicated value ND detection limit 3.4E-01 Bq/cm³ (as of 11:00 , 12/13)	
Temperature in the spent fuel pool	13.0℃ (as of 11:00 , 12/13)	12.5℃ (as of 11:00 , 12/13)	11.0℃ ※9 (as of 11:00 , 12/12)	22℃ (as of 11:00 , 12/13)
FPC skimmer surge tank level	4.15m (as of 11:00 , 12/13)	4.61m (as of 11:00 , 12/13)	3.25m ※9 (as of 11:00 , 12/12)	43.50×100mm ※6 (as of 11:00 , 12/13)

【Information about measurements】
※1：Instrument failure
※2：Continuously monitoring the status (Meters which showed some fluctuation in the records but were not concluded as malfunction and of which the transition of the records are under observation.)
※3：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.)
※4：In case that the instrument reading is below measurable limit, "ND" is recorded.
※5：Flow rate values are adjusted according to the temperature and the pressure under usage conditions.
※6：Corresponding value of temporary instrument is described due to isolation of main instrument.
※7：Nitrogen gas injection is under suspension.
※8：Data being collected with the flowmeter for the reactor water injection pump in the Turbine Building.
※9：Alternative cooling equipment of the Fuel Pool of Unit 3 is stopped. Therefore, Temperature in the spent fuel pool and FPC skimmer surge tank level of Unit 3 show close data. The expected temperature increase at the SFP water is around 0.162℃/h.
※10：Since data was not available due to inspection of instruments.
※11：Data missing due to work interrupting the measurement.