Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 5:00 on April 20 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.

Status of water injection to the reactor EV line 4.8n/h (as of 500, 4/20) FDW line 2.6n/h (as of 500, 4/20) FDW line 3.8n/h (as of 500, 4/20) FDW line 3.8n/h (as of 500, 4/20) Temperature at the bottom of PPV visite LOOWNOMMER (TE-263-69(L1): 27.3°C (TE-23-69(L2): 47.7°C (as of 500, 4/20) VESSEL BOTTOM HEAD (TE-23-69(L1): 56.2°C (TE-23-69(L2): 47.7°C (as of 500, 4/20) VESSEL BOTTOM ABOVE SVIRT JOT (TE-2-3-69(L1): 56.2°C (TE-2-3-69(L2): 47.7°C (as of 500, 4/20) VESSEL BOTTOM ABOVE SVIRT JOT (TE-2-3-69(L1): 42.8°C (as of 500, 4/20) VESSEL BOTTOM ABOVE SVIRT JOT (TE-2-3-69(L1): 42.8°C (as of 500, 4/20) Temperature in PCV rest HVH-12A RETURN AIR (TE-16-114FH1): 43.2°C (as of 500, 4/20) RETURN AIR DRYWELL COOLER (TE-16-114FH1): 43.2°C (TE-16-114FH1): 43.2°C (as of 500, 4/20) RETURN AIR DRYWELL COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y AIR DW COOLER (TE-16-114FH1): 43.2°C (TE-16-114FH1): 43.2°C (as of 500, 4/20) NHPL Y	Unit	Unit 1	Unit 2	Unit 3	Unit 4
Temperature at the bottom of RPV (TE-263-69L1) : 27.3°C (TE-2-3-69F1) : 42.1°C (TE-2-3-69F1) : 46.1°C (TE-2-3-69F1) : 51.7°C (TE-2-3-69F1) : 42.8°C (TE-16-114A) : 56.2°C (TE-16-114A) : 57.0°C (TE-16-1	injection to the	CS line 1.7 m³/h	CS line 6.0m³/h	CS line 5.1 m³/h	
Temperature in PCV (TE=1625A) : 27.3°C HVH-12A SUPPLY AIR (TE=1625F) : 26.3°C (as of 5:00, 4/20) (TE=16-114A) : 56.2°C SUPPLY AIR D/W COOLER (TE=16:114F#1) : 47.1°C (as of 5:00, 4/20) (TE=16-114F#1) : 47.1°C (as of 5:00, 4/20) - Pressure in PCV 108.0kPa abs (as of 5:00, 4/20) 31.64kPa g (as of 5:00, 4/20) **4 0.28kPa g (as of 5:00, 4/20) - Flow rate of nitrogen gas injection in Sectors RPV: 15.5Nm/h (as of 5:00, 4/20) RPV: 14.0Nm/h PCV : 50.Nm/h (as of 5:00, 4/20) RPV: 14.0Nm/h PCV : 22.0Nm/h (as of 5:00, 4/20) RPV: 14.0Nm/h PCV : 22.0Nm/h (as of 5:00, 4/20) RPV: 10.01/h (as of 5:00, 4/20) Hydrogen concentration in PCV : X3 System A : 0.00vol% (as of 5:00, 4/20) System A : 0.021vol% (as of 5:00, 4/20) System B : 0.01vol% (as of 5:00, 4/20) System B : 0.01vol% (as of 5:00, 4/20) System A : 0.021vol% (as of 5:00, 4/20) System B : 0.01vol% (as of 5:00, 4/20) System A : 0.021vol% (as of 5:00, 4/20) System B : 0.01vol% (as of 5:00, 4/20) - - Temperature in the spent fuel pool 17.0°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 18.0°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) PPC skimmer 3.39m 3.11m	the bottom of	(TE-263-69L1) : 27,3℃ VESSEL ABOVE SKIRT JOINT (TE-263-69H1) : 28.1℃ VESSEL DOWNCOMMER (TE-263-69G2) : 27.4℃	(TE-2-3-69H3) : 46.1℃ VESSEL BOTTOM ABOVE SKIRT JOT (TE-2-3-69F2) : 47.7℃	(TE-2-3-69L1) : 56.2℃ VESSEL BOTTOM ABOVE SKIRT JOT (TE-2-3-69F1) : 51.7℃ VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H1) : 42.8℃	
Pressure in PCV (as of 5:00, 4/20) (as of 5:00, 4/20) (as of 5:00, 4/20) Flow rate of nitrogen gas injection to Reactors RPV: 155Nm ³ /h PCV: 22.0Nm ³ /h (as of 5:00, 4/20) RPV: 14.0Nm ³ /h PCV: 28Nm ³ /h (as of 5:00, 4/20) Hydrogen concentration in PCV %3 System A: 0.00vol% (as of 5:00, 4/20) System A: 0.02vol% (as of 5:00, 4/20) System B: 0.19vol% (as of 5:00, 4/20) Radioactive concentration in PCV (Xe 135) System A: 2.31E-03Bq/cc (as of 5:00, 4/20) - - Temperature in the spent fuel pool 17.0°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 18.0°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) FPC skimmer 3.39m 3.11m 4.20m 49.45×100mm		(TE-1625A) ∶27.3℃ HVH-12A SUPPLY AIR (TE-1625F) ∶26.3℃	(TE-16-114A) : 56,2℃ SUPPLY AIR D/W COOLER (TE-16-114F#1) : 43,3℃ ※2	(TE-16-114A) ∶48.1℃ SUPPLY AIR D/W COOLER (TE-16-114F#1) ∶47.1℃	
nitrogen gas injection to Reactors HPV : 15.5Nm/h PCV : 22.0Nm/h (as of 5:00, 4/20) HPV : 14.0Nm/h PCV : 5.0Nm/h (as of 5:00, 4/20) HPV : 14.Nm/h PCV : 22.8Nm/h (as of 5:00, 4/20) Hydrogen concentration in PCV %3 System A : 0.00vol% System B : 0.01vol% (as of 5:00, 4/20) System A : 0.02vol% System B : 0.12vol% (as of 5:00, 4/20) System A : 0.21vol% System B : 0.19vol% (as of 5:00, 4/20) Radioactive concentration in PCV (Xe 135) System A : 2.31E-03Bq/cc (as of 5:00, 4/20) - - Temperature in the spent fuel pool 17.0°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) FPC skimmer 3,39m 3.11m 4.20m 49.45×100mm	Pressure in PCV				_
concentration in PCV %3 System B : 0.01vol% (as of 5:00, 4/20) System B : 0.22vol% (as of 5:00, 4/20) System B : 0.19vol% (as of 5:00, 4/20) Radioactive concentration in PCV (Xe 135) System A : 2.31E-03Bq/cc (as of 5:00, 4/20) - - - - - Temperature in the spent fuel pool 17.0°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 18.7°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 26°C (as of 5:00, 4/20) 49.45×100mm	nitrogen gas injection to	PCV:22.0Nm³/h	PCV: 5.0Nm³/h	PCV:28Nm ³ /h	
Concentration in PCV (Xe 135) System B : 2.18E-03Bq/cc (as of 5:00, 4/20) -	concentration in	System B : 0.01vol%	System B : 0.22vol%	System B : 0.19vol%	
the spent fuel pool 17.00 (as of 5:00, 4/20) 18.70 (as of 5:00, 4/20) 200 (as of 5:00, 4/20) FPC skimmer 3.39m 3.11m 4.20m 49.45×100mm	concentration in	System B : 2.18E-03Bq/cc	_	_	
FPC skimmer 3.39m 3.11m 4.20m 49.45×100mm	the spent fuel				
	FPC skimmer				

%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 : Due to exceeding designed range, the measurement value was changed to corresponding value from the nitrogen inclusion pressure (reference)