Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 11:00 on March 2 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.

Status of wate injection to the reactor FOW line 15 H/h (S) line 14 H/		of indicators into consideration,					
Indection to the reactor CS line 1.4mt/h (as of 1100.3/2) CS line 1.5mt/h (as of 1100.3/2) CS line 1.5mt/h (as of 1100.3/2) CS line 1.5mt/h (as of 1100.3/2) VESSEL 80TT0M.HEAD (TE-23-6941.1):13.1C (TE-23-6941.1):13.1C (TE-23-6941.1):13.1C (TE-23-6941.1):13.1C (TE-23-6941.1):15.1C (TE-23-6941.1):15.1C (TE-23-6941.1):15.4C (as of 1100.3/2) VESSEL 80TT0M.HEAD (TE-23-6941.1):15.4C (as of 1100.3/2) PV TEMPORATION RPV VESSEL 80DT0M.HEAD (TE-23-6941.1):13.0C (TE-23-6941.1):15.4C (as of 1100.3/2) NESSEL 80TT0M.HEAD (TE-23-6941.1):16.4C (as of 1100.3/2) PV TEMPORATION RPV NH-12A EPTURN AR (TE-16214.4C):17.6C (as of 1100.3/2) NETURN AR DRYWELL COOLER (TE-16-114.4C):17.6C (SUPPLY AR DW COOLER (TE-16-114.4C):17.6C (SUPPLY AR DW COOLER (TE-16-114.4C):17.6C (as of 1100.3/2) NETURN AR DRYWELL COOLER (TE-16-114.4C):17.6C (TE-16-114.4C):17.6C (SUPPLY AR DW COOLER (TE-16-114.4C):17.6C Pressure in PCV (as of 1100.3/2) A064Pa g (as of 1100.3/2) NETURN AR DRYWEL (SUPPLY AR DW COOLER (UP-8):14.29Mt/h (UP-8):14.29Mt/h (UP-8):14.29Mt/h (UP-8):14.29Mt/h (UP-8):14.29Mt/h (UP-8):14.29Mt/h (Sa of 1100.3/2) RPV:125.1Mt/h (as of 1100.3/2) RPV:16.68Mh/h (Ba of 1100.3/2) Prove sector (as of 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Prov : Nth (as of 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Sotem A : 007/v0/K (Soted 1100.3/2) Sotem A : 007/v0/K		Unit 1		Unit 2		Unit 3	Unit 4
Temperature at the bottom of PPV CTTE-263-69(1.): 1:5.1C VESSEL BODVE SKIRT JONT (TE-263-69(1.2): 1:8.1C (TE-263-69(2.): 1:2.9C VESSEL BODVE SKIRT JONT (TE-263-69(1.2): 1:8.1C (TE-263-69(1.2): 1:8.1C (TE-263-69(1.2): 1:8.1C (TE-263-69(1.2): 1:8.1C (TE-263-69(1.2): 1:8.1C (TE-263-69(1.2): 1:8.1C VESSEL BODVE SKIRT JOT (TE-263-69(1.2): 1:8.1C (as of 1100.3/2) Temperature in PCV HVH-12A RETURN AR (TE-1625D): 1:13.4C RETURN AR DPWELL COOLER (SEE): 1:13.4C RETURN AR DPWELL COOLER (SEE): 1:13.0C RETURN AR DPWELL COOLER (SEE): 1:13.0C RETURN AR DPWELL COOLER (SEE): 1:13.0C Temperature in PCV HVH-12A RETURN AR (TE-1652D): 1:13.4C RETURN AR DPWELL COOLER (SEE): 1:13.0C RETURN AR DPWELL COOLER (SEE): 1:100.3/2) RETURN AR DPWELL COOLER (SEE): 1:15.9C SUPELY AR DW: 1:02.2) Pressure in PCV 0.31kPa g (as of 1100.3/2) 0.31kPa g (as of 1100.3/2) 0.31kPa g (as of 1100.3/2) 0.31kPa g (as of 1100.3/2) 1:36.4C Pressure in PCV 0.01kPa g (as of 1100.3/2) 8.52 RPV: 1:25.1Mr/h (PCV: -Nm/h (SEE): 1:4129Mr/h (SEE): 1:4129Mr/h (as of 1100.3/2) RPV: 1:25.1Mr/h (SEE): 1:100.3/2) RPV: 1:66.3Mr/h (PCV: -Nm/h (as of 1100.3/2) REV: 1:66.3Mr/h (SEE): 1:00.3/2) Outlet flow from PCV seas cortic (SEE): 1:100:3/2) System A: 0.07v0% (se of 1100.3/2) System A: 0.00	injection to the	CS line 1.4m ³ /h		CS line 1.5m ¹ /h		CS line 1.4m ³ /h	
Temperature in PCV (TE-1625A) : 13.4°C (TE-1625F) : 13.0°C (as of 1100, 3/2) (TE-16-114B) : 17.6°C SUPPLY AR DW COOLER HVH2-16B (TE-16-114Ef1) : 15.9°C (as of 1100, 3/2) (TE-16-114Ef1) : 15.9°C (as of 1100, 3/2) Pressure in PCV 0.31kPa g (as of 1100, 3/2) (as of 1100, 3/2) (as of 1100, 3/2) (as of 1100, 3/2) Pressure in PCV 0.31kPa g (as of 1100, 3/2) (as of 1100, 3/2) (as of 1100, 3/2) (as of 1100, 3/2) Flow rate of infrogen gas (nector to be pressore in PCV (PA) : 14.29Nn/h (UP-A) : 14.29Nn/h PV : 12.51Nn/h (PV : 10.51Nn/h PV : 16.68Nn/h (as of 1100, 3/2) *** Outlet flow from system 20.0m/h (as of 1100, 3/2) 15.84Nn/h (as of 1100, 3/2) 19.03Nn/h (as of 1100, 3/2) *** Hydrogen concentration in PCV **11 System A : 000vol% (as of 1100, 3/2) PCV **11 System B : 000vol% (as of 1100, 3/2) System A : 000vol% (as of 1100, 3/2) System A : 000vol% (as of 1100, 3/2) System A : 000vol% (as of 1100, 3/2) PV V Xe135) System B : indicated value ND detection limit 4.20E-04 (as of 1100, 3/2) System A : indicated value ND detection limit 1.5E-01 (as of 1100, 3/2) Ba/ord (as of 1100, 3/2) Ia Af (as of 1100, 3/2) T	the bottom of	(TE-263-69L1) : 13.1°C VESSEL ABOVE SKIRT JOINT (TE-263-69H1) : 13.0°C VESSEL DOWNCOMMER (TE-263-69G2) : 12.9°C		(TE-2-3-69H3) : 18.8℃ RPV TEMPERATURE (TE-2-3-69R) : 18.7℃		(TE-2-3-69F1) ∶18.1℃ VESSEL WALL ABOVE BOTTOM HEAD (TE-2-3-69H1) ∶16.4℃	
Pressure in PCV[as of 11:00, 3/2)[as of 11:00, 3/2)[as of 11:00, 3/2)Flow rate of mitrogen gas injection is (JP-A): 14.29Nm/h (JP-B): -Nm/h (JP-B): -Nm/hRPV: 12.51Nm/h PCV: -Nm/h (JP-B): -Nm/hRPV: 12.51Nm/h PCV: -Nm/h (as of 11:00, 3/2)RPV: 16.68Nm/h PCV: -Nm/h (as of 11:00, 3/2)RPV: 16.68Nm/h PCV: -Nm/h (as of 11:00, 3/2)RPV: 12.51Nm/h PCV: -Nm/h (as of 11:00, 3/2)RPV: 12.51Nm/h (As of 11:00, 3/2)RPV: 12.51Nm/h <br< td=""><td></td><td>(TE-1625A) ∶13.4℃ HVH-12A SUPPLY AIR (TE-1625F) ∶13.0℃</td><td></td><td>(TE-16-114B) ∶ 19.4℃ SUPPLY AIR D/W COOLER HVH2-16B (TE-16-114G#1) ∶ 19.3℃</td><td></td><td>(TE-16-114A) ∶17.6℃ SUPPLY AIR D/W COOLER (TE-16-114F#1) ∶15.9℃</td><td></td></br<>		(TE-1625A) ∶13.4℃ HVH-12A SUPPLY AIR (TE-1625F) ∶13.0℃		(TE-16-114B) ∶ 19.4℃ SUPPLY AIR D/W COOLER HVH2-16B (TE-16-114G#1) ∶ 19.3℃		(TE-16-114A) ∶17.6℃ SUPPLY AIR D/W COOLER (TE-16-114F#1) ∶15.9℃	
Flow face of nitrogen gas injection to Reactors %3(JP-B) : -Nirf/h (JP-B) : -Nirf/hBPV: 12.51/m/h PCV : -Nirf/hBPV: 12.651/m/h PCV : -Nirf/hBPV: 12.51/m/h PCV : -Nirf/h (as of 11:00, 3/2)BP	Pressure in PCV						
PCV gas control system 20.0m/n (as of 11:00, 3/2) 15.844m/n (as of 11:00, 3/2) 19.03mm/n (as of 11:00, 3/2) Hydrogen concentration in PCV %11 System A : 0.00vol% System B : 0.00vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.10vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% System B : 0.07vol% (as of 11:00, 3/2) System A : 0.07vol% (as of	nitrogen gas injection to	(JP-A) : 14.29Nm [*] /h (JP-B) : -Nm [*] /h PCV : -Nm [*] /h	※ 4	PCV:-Nm [*] /h **		PCV:-Nm [*] /h ×4	
concentration in PCV %1System B : 0,00vol% (as of 11:00,3/2)System B : 0,10vol% (as of 11:00,3/2)System B : 0,07vol% (as of 11:00,3/2)Radioactive concentration in PCV (Xe 135) %2System A : indicated value 9,60E-04 detection limit 4,20E-04 Bq/cml System B : indicated value 1.19E-03 detection limit 3,80E-04 Bq/cmlSystem A : indicated value ND detection limit 1.7E-01 Bq/cmlSystem A : indicated value ND detection limit 2,5E-01 Bq/cmlTemperature in the spent fuel pool25.5° (as of 11:00,2/1)%528.5° (as of 5:00,3/1)%627.6° (as of 11:00,3/2)12.4°C (as of 11:00,3/2)FPC skimmer3.50mxz5.69m4.05m38.04×100mm	PCV gas control						
Radioactive oncentration in PCV (Xe 135) *2indicated value 9.60E-04 detection limit 4.20E-04Bq/cmlindicated value ND detection limit 1.7E-01Bq/cmlindicated value ND detection limit 2.5E-01Bq/cmlPCV (Xe 135) *2System B : indicated value 1.19E-03 detection limit 3.80E-04Bq/cmlSystem B : indicated value ND detection limit 1.5E-01Bq/cmlSystem B : indicated value ND detection limit 2.5E-01Bq/cmlTemperature in the spent fuel pool25.5°C (as of 11:00, 2/1)%528.5°C (as of 5:00, 3/1)%627.6°C (as of 11:00, 3/2)12.4°C (as of 11:00, 3/2)FPC skimmer3,50m%55,69m4.05m4.05m38.04×100mm	concentration in	System B : 0.00vol%		System B : 0.10vol%		System B : 0.07vol%	
the spent fuel pool 25.50 (as of 11:00, 2/1) **5 28.50 (as of 5:00, 3/1) **6 27.60 (as of 11:00, 3/2) 12.40 (as of 11:00, 3/2) FPC skimmer 3.50m *5 5.69m 4.05m 38.04×100mm	PCV (Xe 135)	indicated value 9.60E-04 detection limit 4.20E-04 Bq/cm ³ System B : indicated value 1.19E-03 detection limit 3.80E-04 Bq/cm ³		indicated value ND detection limit 1.7E-01 Bq/cm ³ System B : indicated value ND detection limit 1.5E-01 Bq/cm ³		indicated value ND detection limit 2,5E-01 Bq/cm ¹ System B : indicated value ND detection limit 2,5E-01 Bq/cm ¹	
	the spent fuel		*5		6		12.4°C (as of 11:00, 3/2)
			% 5				38.04×100mm (as of 11:00, 3/2)

[Information about measurements]

*1 : In case that the instrument indicates minus hydrogen density, "0%" is recorded. Because there's the possibility of minus indi cation 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.

35: Due to the planned outage at circulating water cooling system for spent fuel pool of Unit 1, recent data are shown for both t emperature 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.