

**Fukushima Daiichi Nuclear Power Station
Plant Parameters(Data of water level, pressure, temperature etc.)
As of 6:00 am on May 16th**

[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	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	
Status of water injection to the reactor	Injecting fresh water through feed-water line. Water inflow : 10.0m ³ /h (as of 5:00 am, 5/16)	Injecting fresh water through fire protection system line. Water inflow : 7.0m ³ /h (as of 5:00 am, 5/16)	Injecting fresh water through fire protection system line and feed water line. Water inflow : 9.0m ³ /h (through fire protection system line, as of 5:00 am, 5/16) Water inflow: 6.2 - 6.5 m ³ /h (through feed water line as of 11:00 am, 5/15)	2 (Monitoring is unnecessary since all fuel are takeoff)	2 (Heat removal of the reactor is functioning. Water injection is unnecessary)		
Water level in the reactors	Fuel range A : down scale Fuel range B : 1700mm (as of 5:00 am, 5/16)	Fuel range A : 1500mm Fuel range B : 2100mm (as of 5:00 am, 5/16)	Fuel range A : 2000mm Fuel range B : 2300mm (as of 5:00 am, 5/16)		Stoppage range 1651mm (as of 6:00 am, 5/16)	Stoppage range 2483mm (as of 6:00 am, 5/16)	
Pressure in the reactor	System A 0.485MPa g(A) System B 1.350MPa g(B) 3 (as of 5:00 am, 5/16)	System A - 0.020MPa g(A) 3 System B - 0.020MPa g(D) 3 (as of 5:00 am, 5/16)	System A - 0.087MPa g(A) 3 System B - 0.091MPa g(C) 3 (as of 5:00 am, 5/16)		0.003MPa g (as of 6:00 am, 5/16)	0.021MPa g (as of 6:00 am, 5/16)	
Temperature in the reactor	(Since there is no system water inflow it is impossible to collect the data)				46.6 (as of 6:00 am, 5/16)	47.1 (as of 6:00 am, 5/16)	
Temperature around the reactor vessel	Temperature in feed-water nozzle: 95.1 3 Temperature at reactor vessel bottom: 83.9 (as of 5:00 am, 5/16)	Temperature in feed-water nozzle: 113.5 Temperature at reactor vessel bottom: 111 (as of 5:00 am, 5/16)	Temperature in feed-water nozzle: 141.3 3 Temperature at reactor vessel bottom: 136.2 (as of 5:00 am, 5/16)		2 (monitoring through water temperature of the reactor)		
Pressure in D/W・S/C	D/W 0.1178MPa abs S/C 0.100MPa abs (as of 5:00 am, 5/16)	D/W 0.055MPa abs S/C 1 (as of 5:00 am, 5/16)	D/W 0.1027MPa abs S/C 1 (as of 5:00 am, 5/16)		2 (Monitoring is unnecessary since heat removal of reactor is functioning.)		
D/W Atmosphere temperature	RPV bellow seal: 84.6 HVH return: 81.1 (as of 5:00 am, 5/16)	RPV bellow seal: 111 HVH return: 111 (as of 5:00 am, 5/16)	RPV bellow seal: 196.8 3 HVH return: 168.3 (as of 5:00 am, 5/16)				
CAMS radiation monitor	D/W(A) 1 (B) 1 S/C(A) 1.05 × 10 ⁵ Sv/h 3 (B) 1.05 × 10 ⁵ Sv/h 3 (as of 5:00 am, 5/16)	D/W(A) 1.87 × 10 ⁵ Sv/h (B) 2.10 × 10 ⁵ Sv/h S/C(A) 3.43 × 10 ⁵ Sv/h 3 (B) 6.21 × 10 ⁵ Sv/h 3 (as of 5:00 am, 5/16)	D/W(A) 9.56 × 10 ⁵ Sv/h (B) 5.68 × 10 ⁵ Sv/h S/C(A) 4.41 × 10 ⁵ Sv/h 3 (B) 4.08 × 10 ⁵ Sv/h 3 (as of 5:00 am, 5/16)				
Temperature in S/C	System A: 52.2 System B: 52.0 (as of 5:00 am, 5/16)	System A: 64.6 System B: 64.8 (as of 5:00 am, 5/16)	System A: 40.5 System B: 40.6 (as of 5:00 am, 5/16)				
Designed D/W pressure	0.384MPa g(0.485MPa abs)	0.384MPa g(0.485MPa abs)	0.384MPa g(0.485MPa abs)				
Designed usable D/W maximum pressure	0.427MPa g(0.528MPa abs)	0.427MPa g(0.528MPa abs)	0.427MPa g(0.528MPa abs)				
Temperature in the spent fuel pool	1	63 (as of 5:00 am, 5/16)	1	1	42.7 (as of 6:00 am, 5/16)	32.0 (as of 6:00 am, 5/16)	
FPC skimmer surge tank level	1750mm (as of 5:00 am, 5/16)	3650mm (as of 5:00 am, 5/16)	1	5800mm(as of 5:00 am, 5/16)	2		
Power source	Receiving offsite power (P/C2C)		Receiving offsite power (P/C4D)		Receiving offsite power		
Others	Regarding Fuel range A, water level in the Unit 1 reactor, we completed the inspection of the instrument at 5:00 pm, 5/11			Common fuel spent pool: Approx. 29 (6:30 am, 5/15)	5u: SHC mode (5/15 9:09 pm -)	6u: Non-thermal mode (5/15 18:30 -)	

Pre ssure conversion Gauge pressure(MPa g) = Absolute pressure(MPa abs) - atmospheric pressure (normal atmospheric pressure 0.1013 MPa)
Absolute pressure(MPa abs) = Gauge pressure(MPa g) + atmospheric pressure (normal atmospheric pressure 0.1013 MPa)

1 : Instrument failure
2 : Not covered for data collection
3 : continuously monitoring the status

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Supplemental explanation for the plant parameters (Data of water level, pressure, temperature etc.)

■ Supplemental explanation for each parameter

Item	Recording manner	Measurement manner	data point noted in this material/ Ch number or number of systems
Status of water injection to the reactor	Water inflow to the reactor/methods of water injection are noted	Temporally instrument	System 1 / 1
Water level in the reactors	Data measured by the water gauge, which monitor the fuel range	Main indicator	System A 1 / 1 Ch System B 1 / 1 Ch
Pressure in the reactor	Measure voltage value of pressure instrument by the main indicator panel and convert to the pressure. One representing value is noted among multiple data on each System A, B.	Measures voltage value through the main indicator panel and converts them to the pressure	System A 1 / 2 Ch System B 1 / 2 Ch
Temperature in the reactor	Since there is no water inflow system at the points, where thermometers are set, no data is collected.	—	—
Temperature around the reactor vessel	Data measured at feed-water nozzle and at reactor vessel bottom are noted among multiple data to view the whole picture.	Main indicator	Point of Feed-water nozzle 1 / 4 Ch reactor vessel bottom 1 / 2 Ch (Unit 1) 1 / 1 Ch (Unit 2/3)
Pressure in D/W・S/C	Data from main indicator. Measure voltage value by the main indicator panel converted to the pressure in case main indicator are not in function. (D/W : Dry Well, S/C : Suppression Chamber)	Unit 1/2: Main indicator Unit 3: Main indicator panel (converted from voltage) :	Main indicator system 1 / 1 Main recorder regular use 1 / 1 Ch wide range 1 / 1 Ch
D/W Atmosphere temperature	Data at upper point (RPV Bellows Air) and middle point (HVH return) are noted among multiple data to view the whole picture. (RPV : Reactor Pressure Vessel, HVH : Heating and Ventilating Handling Unit)	Main recorder	RPV Bellows Air 1 / 5 Ch D/W HVH return 1 / 5 Ch
CAMS radiation monitor	Data from the instrument reading of main indicator. (CAMS : Containment Atmospheric Monitoring System)	Main indicator	D/W System A 1 / 1 Ch System B 1 / 1 Ch S/C System A 1 / 1 Ch System B 1 / 1 Ch
Temperature in S/C	Data from the instrument reading of main recorder. One representing value is noted among multiple data on each System A, B.	Main recorder	System A 1 / 4 Ch (Unit 1), 8 Ch (Unit 2 / 3) System B 1 / 4 Ch (Unit 1), 8 Ch (Unit 2 / 3)
Temperature in the spent fuel pool	Data from the instrument reading of main recorder (Non-thermal mode : Urgent Heat load Mode, SHC mode : Shut down Cooling Mode)	Main recorder	1 / 2 Ch (Unit 1), 1 Ch (Unit 2~4)
FPC skimmer surge tank level	Data from the instrument reading of main indicator (FPC : Fuel Pool Cooling and Filtering System)	Main indicator	System 1 / 1

■ Supplemental explanation for notes

Item	Contents	Status as of 6:00 am, 5/16
Instrument failure	Instrument failure : down of instrument reading (over) scale/failure of instrument	Unit 1 Spent fuel pool temperature, CAMS D/W radiation monitor Unit 2 Temperature at reactor vessel bottom pressure in S/C, RPV Bellow seal temperature Unit 3 Spent fuel pool temperature, level of skimmer surge tanks

		Unit 4 Spent fuel pool temperature
Not covered for collecting data	Unit4: Monitoring is not implemented since all fuel are takeoff. Unit5/6: Monitoring is not implemented since heat removal of reactor is functioning	—
Continuously monitoring the status	Inaccurate Data defined from relation with other parameters such as negative figure.	Unit 1 Reactor pressure, feed-water nozzle, temperature CAMS S/C radiation monitor Unit 2 Reactor pressure, CAMS S/C radiation monitor Unit 3 Reactor pressure, RPV bellow air temperature, feed-water nozzle temperature, CAMS S/C radiation monitor