

Fukushima Daiichi Nuclear Power Station Supplemental explanation for the plant parameters

Supplemental explanation for each parameter

Item	Recording manner	Measurement manner	Ch number or number of systems
Status of water injection to the reactor	Water inflow (CS line : Core Spray system)	Temporary	System 1 / 1
Water level in the reactors	Data measured by the water gauge, which monitor the fuel range	Temporary	System A 1 / 1 Ch System B 1 / 1 Ch
Pressure in the reactor	One representing value is noted among multiple data on each System A, B. Readings of temporary instruments are represented in A system for Unit 1 and 2.	Temporary	1 / 1 system (Unit 1/2) System A 1 / 2 Ch, System B 1 / 2 Ch (Unit 3)
Temperature in the reactor	Since there is no water inflow 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 (1U、3U : RPV Bottom Head、2U : RPV Wall Above Bottom Head) are noted among multiple data to view the whole picture.	Temporary	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 temporary instrument. (D/W : Dry Well、S/C : Suppression Chamber)	Temporary	(D/W) wide range 1 / 1 Ch (Unit 1) 1 / 4 Ch (Unit 2/3) (S/C) 1 / 1 system (Unit 1/2) 1 / 2 Ch (Unit 3)
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 Ventilating Handling Unit)	Temporary	RPV Bellows Air 1 / 5 Ch D/W HVH return 1 / 5 Ch
CAMS radiation monitor	Data from temporary instrument. (CAMS : Containment Atmospheric Monitoring System)	Temporary	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 temporary instrument. One representing value is noted among multiple data on each System A, B.	Temporary	System A 1 / 4 Ch (Unit 1)、8 Ch (Unit 2 / 3) System B 1 / 4 Ch (Unit 1)、8 Ch (Unit 2 / 3)
Hydrogen concentration in PCV	Data measured by the PCV gas management system. (PCV : Primary Containment Vessel)	Temporary	System 1 / 1
Temperature in the spent fuel pool	Data from temporary instrument. (Non-thermal mode : Urgent Heat load Mode、SHC mode : Shut down Cooling Mode)	Temporary	1 / 1 Ch (Unit 2) 1 / 1 system (Unit 1/3/4)
FPC skimmer surge tank level	・ Unit2, 4 are the FPC skimmer surge tank level measured temporary instrument. ・ Unit1, 3 are the FPC skimmer surge tank level estimated from temporary pressure gages.(reference value) (FPC : Fuel Pool Cooling system)	Temporary	1 / 1 system

Supplemental explanation for notes

Item	Contents	Status As of 12:00 on December 31
Instrument failure	Instrument failure : down of instrument reading (over) scale / failure of instrument	Unit 1 CAMS D/W radiation monitor Unit 2 Pressure in S/C, CAMS D/W(B) radiation monitor, CAMS S/C(B) radiation monitor Unit 3 -
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 water level(B), Pressure in S/C Unit 2 Reactor water level, RPV bellow air temperature, HVH return temperature Unit 3 Reactor water level, reactor pressure, RPV bellow air temperature, CAMS D/W(A) radiation monitor