## Fukushima Daiichi Nuclear Power Station Plant Parameters

As of 11:00 on January 8 2020

[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   FDM line: 1.4   m/h   CS line:		Unit 1	Unit 2	Unit 3	Unit 4
VESSEL BOTTOM HEAD	injection to the	FDW line: 1.4 m³/h	FDW line: 1.4 m³/h	FDW line: 1.5 m³/h	
VESSEL BOTTOM HEAD   VESSEL BOTTOM HEAD   VESSEL BOTTOM ABOVE SKIRT JOT   VESSEL BOTTOM HEAD   VESS		CS line: 1.4 m³/h	CS line: 1.4 m³/h	CS line: 1.4 m³/h	1
CIT-2/263-69(1) : 17.2 °C   VESSEL MOVE SKIFT JOT		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
Temperature at   VESSE ABOVE SKRIT JOINT   (TE-23-69H): 17.0 °C   VESSE DOWN COMMER   (TE-23-69H): 19.5 °C   (TE-23-69H): 20.2 °C   (See of 1100.1/8)   (as of 1100	the bottom of	VESSEL BOTTOM HEAD			1
The bottom of   Cit   263-69H1   : 17.0		(TE-263-69L1) : 17.2 ℃	VESSEL WALL ABOVE BOTTOM HEAD	VESSEL BOTTOM ABOVE SKIRT JOT	1
The bottom of   TE-263-69H1   : 17.0		VESSEL ABOVE SKIRT JOINT	(TE-2-3-69H3) : 21.2 °C	(TE-2-3-69F1) : 21.7 ℃	1
Vesset   Converted   Convert		(TE-263-69H1) : 17.0 °C	RPV TEMPERATURE	VESSEL WALL ABOVE BOTTOM HEAD	1
Iso of 1100 .1/8   HVH-12A RETURN AIR DRYWELL COOLER   TE-16-114B   21.9 °C   TE-16-114B   21.0 °C   TE-16-114B		VESSEL DOWN COMMER	(TE-2-3-69R) : 19.5 ℃	(TE-2-3-69H1) : 20.2 °C	1
HVH-12A RETURN AIR		(TE-263-69G2) : 17.0 °C	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
Temperature in PCV   HVH-12A SUPPLY AIR   SUPPLY AIR D/W COOLER HVH2-16B   SUPPLY AIR D/W CALL HVH2-16B   SUP		(as of 11:00, 1/8)			1
Temperature in PCV		HVH-12A RETURN AIR	RETURN AIR DRYWELL COOLER	RETURN AIR DRYWELL COOLER	1
PCV   FVF-12A SUPPLY AIR U/W COULER HVR2-18   SUPPLY AIR U/W COULER   FVF-12A SUPPLY AIR U/W COULT   FVF-12A SUPPLY AIR U/W COU			(TE-16-114B) : 21.9 ℃	(TE-16-114A) : 22.1 ℃	1
TE-1625F) : 17.0 C   TE-16-114G#T) : 21.2 °C   TE-16-114G#T) : 21.2 °C   TE-16-114F#T) : 19.8		HVH-12A SUPPLY AIR	SUPPLY AIR D/W COOLER HVH2-16B	SUPPLY AIR D/W COOLER	1
Pressure in PCV 126 kPa g		(TE-1625F) : 17.0 ℃	(TE-16-114G#1) : 21.2 ℃	(TE-16-114F#1): 19.8 ℃	1
Pressure in PcV   (as of 11:00, 1/8)   (as of 11:		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
Revariable   Rev	Pressure in PCV	1.26 kPa g	3.90 kPa g	0.40 kPa g	
Flow rate of nitrogen as sinjection to Reactors   (JP-B) : 15.62 Nm²/h   RPV-B : 13.33 Nm²/h   RPV-B : 16.71		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
Nitrogen gas injection to Reactors   CJP-A): 15.22   Nim'/h   RPV-B: 13.33   Nim'/h   PCV: - Nim'/h   RPV-B: 16.71   Nim'/h   PCV: - Nim'/h   RPV-B: 16.71   Nim'/h   RPV-B: 16.71   Nim'/h   PCV: - Nim'/h   RPV-B: 16.71	nitrogen gas injection to Reactors	RPV (RVH-A): - Nm³/h			1
Injection to Reactors   CJP-B   : - Nmi/h		(RVH-B): 15.62 Nm³/h			1
Reactors   X3		(JP-A): 15.22 Nm³/h	RPV-B: 13.33 Nm³/h	RPV-B: 16.71 Nm³/h	1
Section   System		(JP-B) : - Nm³/h	PCV: - Nm³/h **4	PCV: - Nm³/h **4	1
Outlet flow from PCV gas control System         24.4 m²/h (as of 11:00, 1/8)         19.33 Nm²/h (as of 11:00, 1/8)         21.04 Nm²/h (as of 11:00, 1/8)           Hydrogen concentration in PCV ※1         System A: 0.00 vol% (as of 11:00, 1/8)         System A: 0.02 vol% (as of 11:00, 1/8)         System A: 0.14 vol% (as of 11:00, 1/8)           System B: 0.00 vol% (as of 11:00, 1/8)         System B: 0.01 vol% (as of 11:00, 1/8)         System B: 0.12 vol% (as of 11:00, 1/8)           Radioactive concentration in PCV (x 135) (x 2)         System A: indicated value detection limit 4.30E-04 (as of 11:00, 1/8)         System B: indicated value ND detection limit 1.5E-01 (as of 11:00, 1/8)         System B: System B: indicated value ND detection limit 1.4E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:00, 1/8)         System B: indicated value ND detection limit 2.2E-01 (as of 11:		PCV: - Nm³/h	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
PCV gas control system   System A : 0.00   System A : 0.01   System B : 0.01   System A : 0.01   System B : 0.01   System B : 0.01   System B : 0.01   System A : 0.02   System B : 0.01   System B : 0.02   System B : 0.01   System B : 0.02   System B : 0.01   System B : 0.02   Sys		(as of 11:00, 1/8)			1
System   (as of 11:00, 1/8)   (as of 11:00, 1/8)	PCV gas control		19.33 Nm³/h	21.04 Nm³/h	1
concentration in PCV %1         System B: 0.00 vol% (as of 11:00, 1/8)         System B: 0.01 vol% (as of 11:00, 1/8)         System B: 0.12 vol% (as of 11:00, 1/8)           Radioactive concentration in PCV (Xe 135) %22         System A: indicated value detection limit 4.30E-04 bdetection limit 3.20E-04         System B: 0.01 vol% (as of 11:00, 1/8)         System B: 0.12 vol% (as of 11:00, 1/8)           System A: indicated value concentration in PCV (Xe 135) %22         System B: indicated value detection limit 3.20E-04 bdetection limit 3.20E-04         ND bdetection limit 1.5E-01 bdetection limit 1.4E-01 bdetecti		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	
Concentration in PCV %1   System B: 0.00 vol%   System B: 0.01 vol%   (as of 11:00, 1/8)   System B: 0.01 vol%   (as of 11:00, 1/8)   System B: 0.12 vol%   (as of 11:00, 1/8)	concentration in	System A: 0.00 vol%	System A: 0.02 vol%	System A: 0.14 vol%	1
Radioactive concentration in PCV (Xe 135)   %2   System B : indicated value   1.33E-03   detection limit   3.20E-04   System B : indicated value   ND   Bq/cm²   detection limit   1.4E-01   System B : indicated value   ND   Bq/cm²   detection limit   2.2E-01   Bq/cm²   System B : indicated value   ND   Bq/cm²   detection limit   2.2E-01   Bq/cm²   System B : indicated value   ND   Bq/cm²   detection limit   2.2E-01   Bq/cm²   System B : indicated value   ND   Bq/cm²   detection limit   2.2E-01   Bq/cm²   Bq/cm²   detection limit   2.2E-01   Bq/cm²   detection limit   2.2E-01   Bq/cm²   detection limit   2.2E-01   Bq/cm²   detection		System B: 0.00 vol%	System B: 0.01 vol%	System B: 0.12 vol%	1
Radioactive concentration in PCV (Xe 135)   %2		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	1
Concentration in PCV (Xe 135)   System B :   System B :   System B :   indicated value   1.33E-03   detection limit   3.20E-04   detection limit   1.4E-01   detection limit   2.2E-01   detection l	concentration in PCV (Xe 135)	System A:	System A:	System A:	1
Concentration in PCV (Xe 135)   System B :   System B :   System B :   indicated value   1.33E-03   detection limit   3.20E-04   detection limit   1.4E-01   detection limit   2.2E-01   detection l		indicated value 6.70E-04	indicated value ND Daylow	indicated value ND Par/ami	1
PCV (Xe 135)       System B:       System B:       indicated value 1.33E-03 attention limit 3.20E-04 Bg/cm²       System B:       indicated value ND attention limit 1.4E-01 Bg/cm²       indicated value Attention limit 1.4E-01 Bg/cm²       ND attention limit 2.2E-01 Bg/cm²         Temperature in the spent fuel pool       19.1 °C       19.0 °C       18.2 °C       - °C       *5         [as of 11:00, 1/8)       (as of 11:00, 1/8)       (as of 11:00, 1/8)       (as of 11:00, 1/8)       (as of 11:00, 1/8)         FPC skimmer       4.04 m       3.85 m       4.69 m       26.3 ×100mm		detection limit 4.30E-04	detection limit 1.5E-01	detection limit 2.2E-01	1
**2       indicated value detection limit (as of 11:00, 1/8)       1.33E-03 Bq/cm³       indicated value detection limit (as of 11:00, 1/8)       ND Bq/cm³       detection limit detection limit (as of 11:00, 1/8)       2.2E-01       Bq/cm³       Bq/cm³       detection limit (as of 11:00, 1/8)       2.2E-01       Bq/cm³       - °C *5       *5         Temperature in the spent fuel pool       19.1 °C (as of 11:00, 1/8)       19.0 °C (as of 11:00, 1/8)       18.2 °C (as of 11:00, 1/8)       - °C *5       *5         FPC skimmer       4.04 m       3.85 m       4.69 m       26.3 ×100mm		System B:	System B:	System B:	1
detection limit   3.20E-04   detection limit   1.4E-01   detection limit   2.2E-01   (as of 11:00, 1/8)   (as of 11:00, 1/8)		indicated value 1.33E-03	indicated value ND Pa/am³	indicated value ND Pa/am³	1
Temperature in the spent fuel pool         19.1 °C         19.0 °C         18.2 °C         - °C         **5           (as of 11:00, 1/8)         (as of 11:00, 1/8)         (as of 11:00, 1/8)         (as of 11:00, 1/8)           FPC skimmer         4.04 m         3.85 m         4.69 m         26.3 ×100mm		detection limit 3.20E-04	detection limit 1.4E-01	detection limit 2.2E-01	1
the spent fuel pool (as of 11:00, 1/8) (as of 11:00, 1/8) (as of 11:00, 1/8) (as of 11:00, 1/8)  FPC skimmer 4.04 m 3.85 m 4.69 m 26.3 ×100mm		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	
pool         (as of 11:00, 1/8)         (as of 11:00, 1/8)         (as of 11:00, 1/8)           FPC skimmer         4.04 m         3.85 m         4.69 m         26.3 ×100mm	the spent fuel	19.1 ℃	19.0 °C	18.2 ℃	- ℃ <u>*</u> 5
FPC skimmer 4.04 m 3.85 m 4.69 m 26.3 ×100mm		(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)	(as of 11:00, 1/8)

[Information about measurements]

<sup>\*\*1 :</sup> 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.)

The hydrogen concentration in the PCV gas control system is provided.

<sup>\*2:</sup> 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.

<sup>\*3:</sup> Flow rate values are adjusted according to the temperature and the pressure under usage conditions.

<sup>\*4 :</sup> Nitrogen gas injection is under suspension.

<sup>※5 :</sup> The primary coolant pump in the Unit 4 spent fuel pool is now stopped operation.