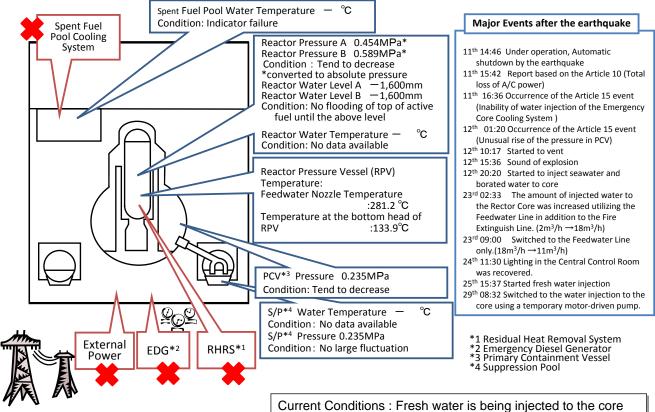
## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 1 (As of 6:00 March 30th, 2011)

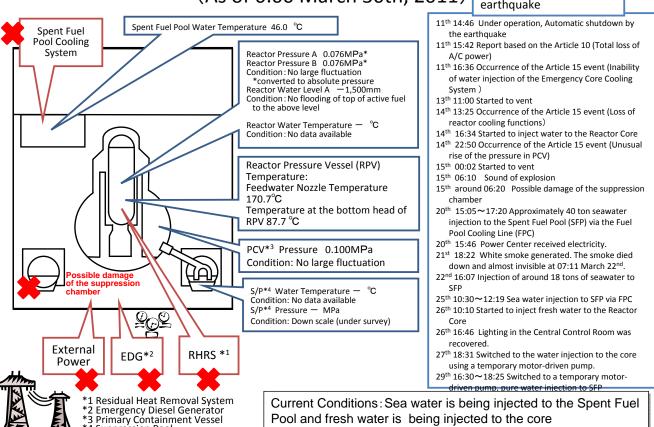


(Editorial committee for Nuclear Energy Handbook, Nuclear Energy Handbook)

## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 2

(As of 6:00 March 30th, 2011)

Major Events after the earthquake



\*4 Suppression Pool

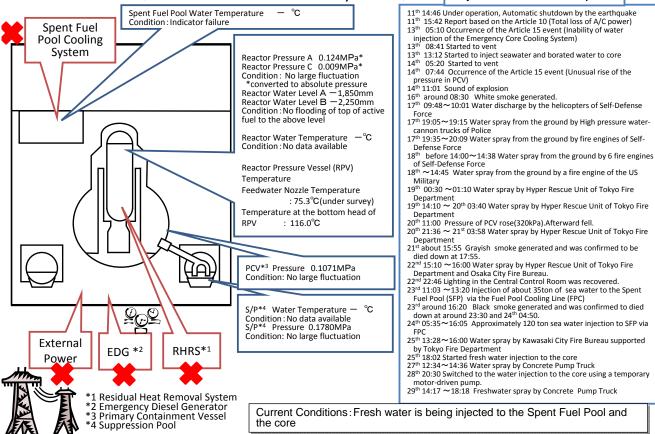
Pool and fresh water is being injected to the core

(Editorial committee for Nuclear Energy Handbook, Nuclear Energy Handbook)

### Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 3

(As of 6:00 March 30th, 2011)

#### Major Events after the earthquake

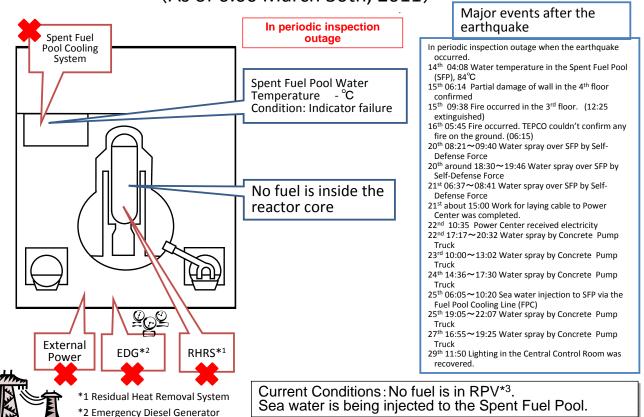


Current Conditions: Fresh water is being injected to the Spent Fuel Pool and

(Editorial committee for Nuclear Energy Handbook, Nuclear Energy Handbook)

(Editorial committee for Nuclear Energy Handbook, Nuclear Energy

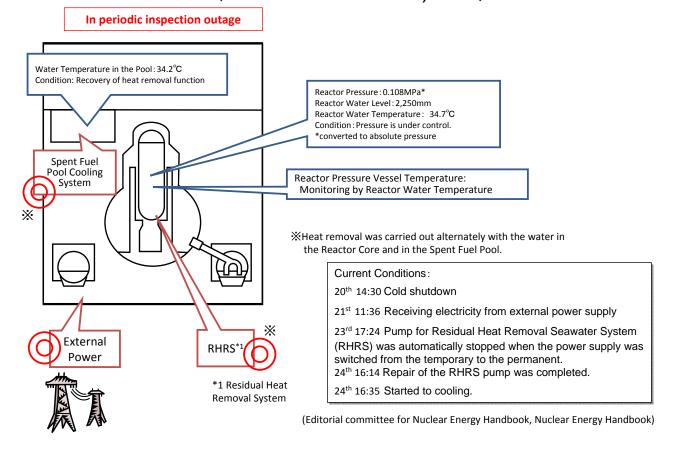
Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 4 (As of 6:00 March 30th, 2011)



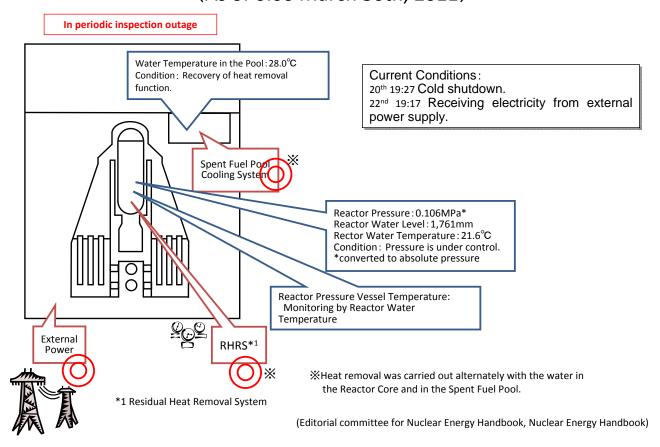
Handbook)

\*3 Reactor Pressure Vessel

## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 5 (As of 6:00 March 30th, 2011)



# Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 6 (As of 6:00 March 30th, 2011)



Extract



March 30, 2011 Nuclear and Industrial Safety Agency

#### Seismic Damage Information (the 62nd Release) (As of <u>08:00 March 30th</u>, 2011)

Nuclear and Industrial Safety Agency (NISA) confirmed the current situation of Onagawa NPS, Tohoku Electric Power Co. Inc.; Fukushima Dai-ichi and Fukushima Dai-ni NPSs, Tokyo Electric Power Co. Inc. (TEPCO); Tokai Dai-ni NPS, Japan Atomic Power Co. Inc. as follows:

Major updates are as follows.

- 1. Nuclear Power Stations (NPSs)
- Fukushima Dai-ichi NPS
- The seawater injection by The Fire Pump Truck to the Spent Fuel Pool of Unit 2 was switched to freshwater injection by temporary motor-driven pump. (From 16:30 till 18:25 March 29th)

For more information:

NISA English Home Page

<a href="http://www.nisa.meti.go.jp/english/index.html">http://www.nisa.meti.go.jp/english/index.html</a>

Fukushima Di-ichi Nuclear Power Station Major Parameters of the Plant (As of 6:00, March 30th)

Unit No.	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Situation of water injection	Injecting freshwater via the Water Supply Line. Flow rate of injected water: 133 $\ell$ /min (As of 8:32, March 29th) temporary measuring instrument	Injecting freshwater via the Fire Extinguish Line. Flow rate of injected water :117 $\ell$ /min (As of 0:12, March 28th) temporary measuring instrument	Injecting freshwater via the Fire Extinguish Line. Flow rate of injected water: 116 $\ell$ /min (As of 14:39, March 29th) temporary measuring instrument	Under shutdown	Under shutdown	Under shutdown
Reactor water level	Fuel range A: -1,600mm Fuel range B: -1,600mm (As of 4:00, March 30th)	Fuel range A: -1,500mm (As of 4:00, March 30th)	Fuel range A:-1,850mm Fuel range B:-2,250mm (As of 3:50, March 30th)	#2	Shutdown range measurement 2,250mm (As of 6:00, March 30th)	Shutdown range measurement 1,761mm (As of 6:00, March 30th)
Reactor pressure	0.353MPa g(A) 0.488MPa g(B) (As of 4:00, March 30th)	-0.025MPa g (A) -0.025MPa g (B) (As of 4:00, March 30th)	0.023MPa g (A) -0.092MPa g (C) (As of 3:50, March 30th)	#2	0.007MPa g (As of 6:00, March 30th)	0.005MPa g (As of 6:00, March 30th)
Reactor water temperature	( Impossible collection due to low	,		#2	34.7°C (As of 6:00, March 30th)	21.6°C (As of 6:00, March 30th)
Reactor Pressure Vessel (RPV) temperature	Feedwater nozzle temperature: 281.2°C Temperature at the bottom head of RPV: 133.9°C (As of 4:00, March 30th)	Feedwater nozzle temperature: 170.7°C Temperature at the bottom head of RPV: 87.7°C (As of 4:00, March 30th)	Feedwater nozzle temperature: 75.3°C (under survey) Temperature at the bottom head of RPV: 116.0°C (As of 3:50, March 30th)	Unit 4 No heating element (fuel) inside the reactor Unit 5,6 Monitoring by the reactor water temperature		
D/W*1 Pressure, S/C*2 Pressure	D/W: 0.235MPa abs S/C: 0.235MPa abs (As of 4:00, March 30th)	D/W: 0.100MPa abs S/C:Down scale (under survey) (As of 4:00, March 30th)	D/W: 0.1071MPa abs S/C: 0.1780MPa abs (As of 3:50, March 30th)	#2		
CAMS*3	D/W: $3.32 \times 10^{1}$ Sv/h S/C: $1.91 \times 10^{1}$ Sv/h (As of 4:00, March 30th)	D/W: 4.00×10 <sup>1</sup> Sv/h S/C: 1.28×10 <sup>0</sup> Sv/h (As of 4:00, March 30th)	D/W: $2.76 \times 10^{1}$ Sv/h S/C: $1.11 \times 10^{0}$ Sv/h (As of 3:50, March 30th)	#2		
D/W*1 design operating pressure D/W*1 maximum	0.384MPa g(0.485MPa abs)	0.384MPa g(0.485MPa abs)	0.384MPa g(0.485MPa abs)	#2		
operating pressure  Spent Fuel Pool water	0.427MPa g(0.528MPa abs) #1	0.427MPa g(0.528MPa abs)  46.0°C (As of 4:00, March 30th)	0.427MPa g(0.528MPa abs) #1	#1	34.2°C (As of 6:00, March 30th)	28.0°C (As of 6:00, March 30th)
FPC skimmer level	4,500mm (As of 4:00, March 30th)	5,700mm (As of 4:00, March 30th)	#1	5,250mm (As of 3:50, March 30th)	#2	
Power supply	Receiving external power supply (	(P/C*4 2C)	Receiving external power supply (P/C4D)  Receiving external power supply  Receiving external power supply		ternal power	

Other information
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Pressure conversion Gauge pressure (MPa g) = Absolute pressure (MPa abs) – Atmospheric pressure (Normal atmospheric pressure 0.1013MPa) Absolute pressure (MPa abs) = Gauge pressure (MPa g) + Atmospheric pressure (Normal atmospheric pressure 0.1013MPa)

\*1 D/W : Dry Well

\*2 S/C : Suppression Chamber

\*3 CAMS : Containment Atmospheric Monitoring System

\*4 P/C : Power Center \*5 SHC : Shutdown Cooling

#1 : Measuring instrument malfunction

#2 : Except from data collection

Extract



March 30, 2011 Nuclear and Industrial Safety Agency

## Seismic Damage Information (the 63rd Release) (As of 15:00 March 30th, 2011)

Nuclear and Industrial Safety Agency (NISA) confirmed the current situation of Onagawa NPS, Tohoku Electric Power Co. Inc.; Fukushima Dai-ichi and Fukushima Dai-ni NPSs, Tokyo Electric Power Co. Inc. (TEPCO); Tokai Dai-ni NPS, Japan Atomic Power Co. Inc. as follows:

Major updates are as follows.

- 1. Nuclear Power Stations (NPSs)
- Fukushima Dai-ichi NPS
- · As the Condenser of Unit 1 was confirmed to be almost filled with water, pumping out of the water was stopped. (07:30 March 29th)
- As the temporary motor-driven pump injecting to the Spent Fuel Pool of Unit 2 was confirmed to be in a bad condition, the injection pump was switched to Fire Pump Truck. However, because cracks were confirmed in the hose (12:47 and 13:10 March 30th), the injection was currently being suspended.
- Freshwater injection to the Spent Fuel Pool of Unit 4 using Concrete Pump Truck was started. (14:04 March 30th)
- 2. Action taken by NISA
- Directions as to implement the emergency safety measures for the other power stations considering the accident of Fukushima Dai-ichi and Dai-ni NPSs in 2011 was issued and handed to each electric companies and the relevant organization.
- In order to strengthen the system to assist the nuclear accident suffers, the "Team to Assist the Lives of the Nuclear Accident Sufferer" headed by Minister of Economy, Trade and Industry was established.

For more information:

NISA English Home Page

http://www.nisa.meti.go.jp/english/index.html