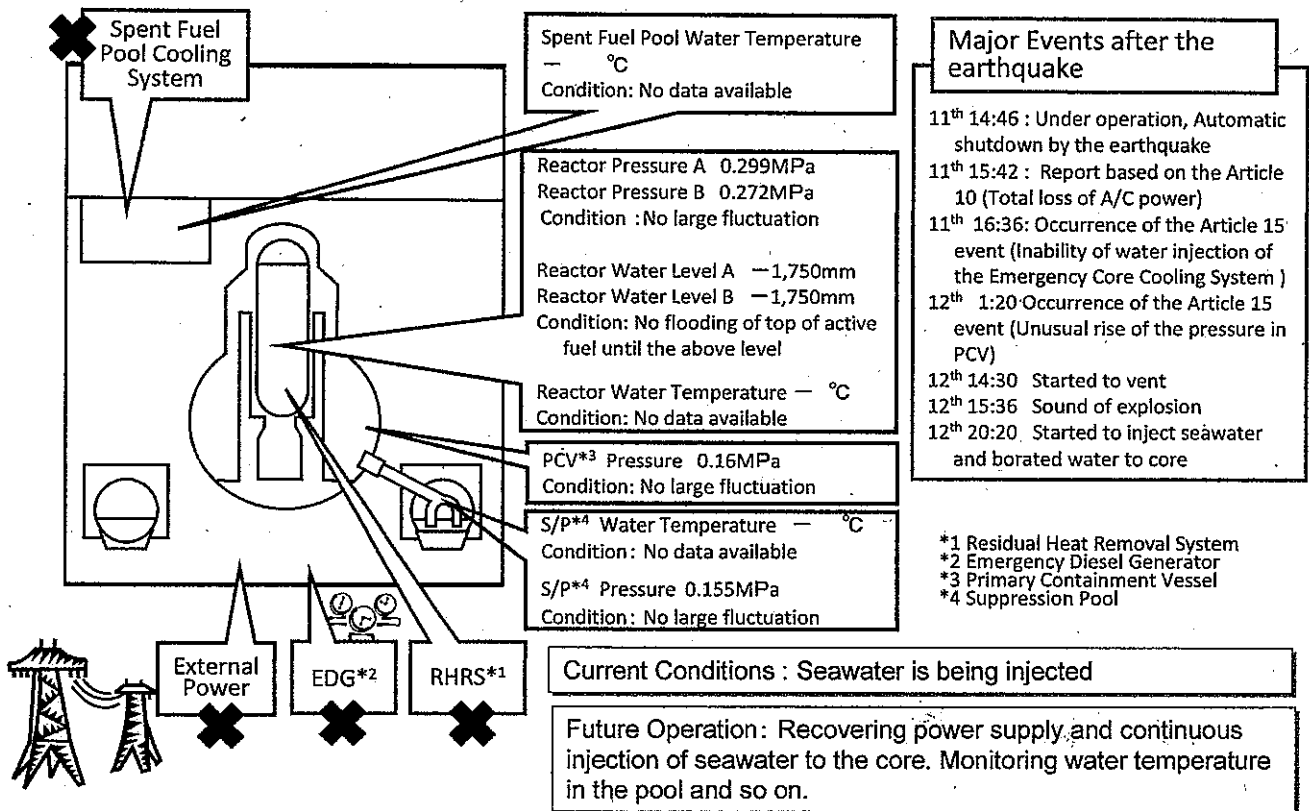
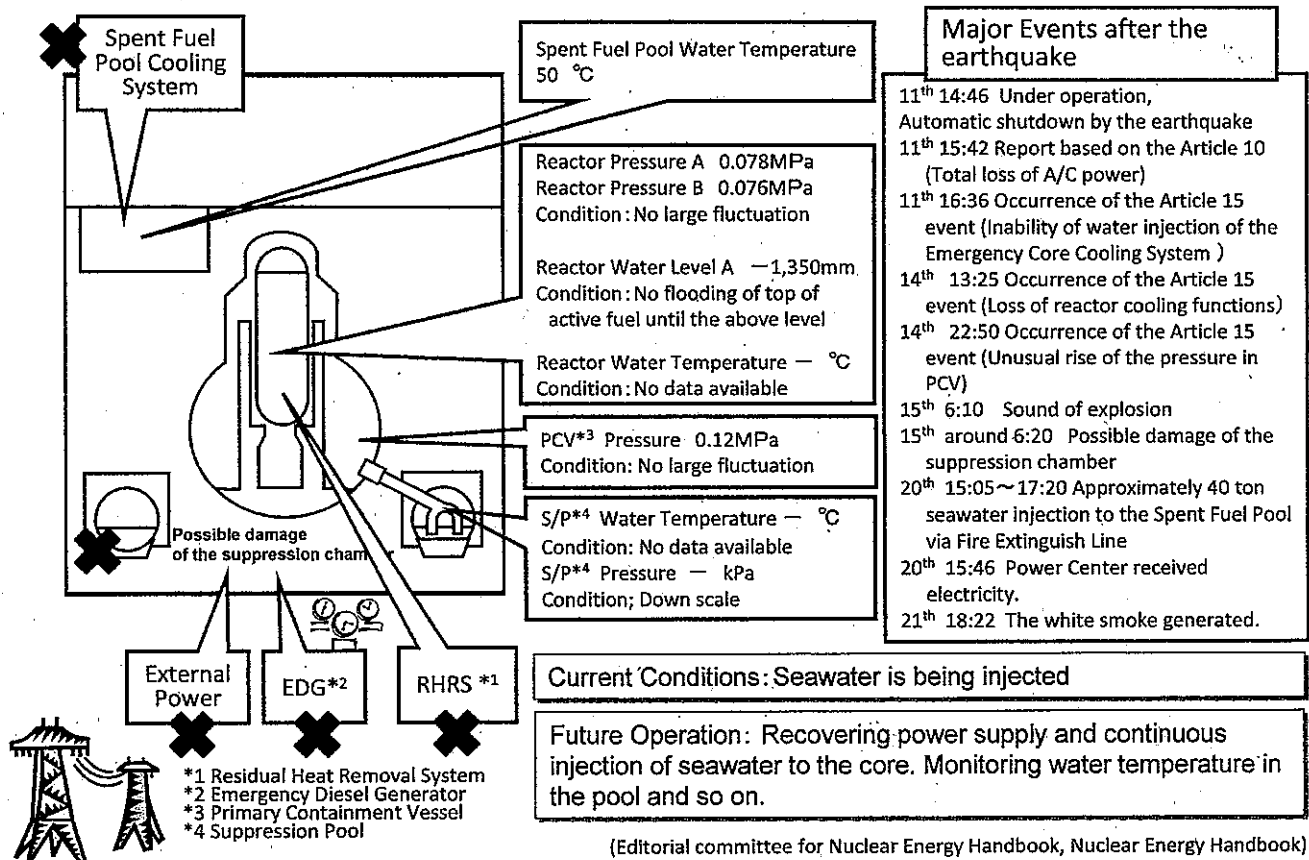


## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 1 (As of 17:00 March 21st, 2011)



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

## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 2 (As of 17:00 March 21st, 2011)

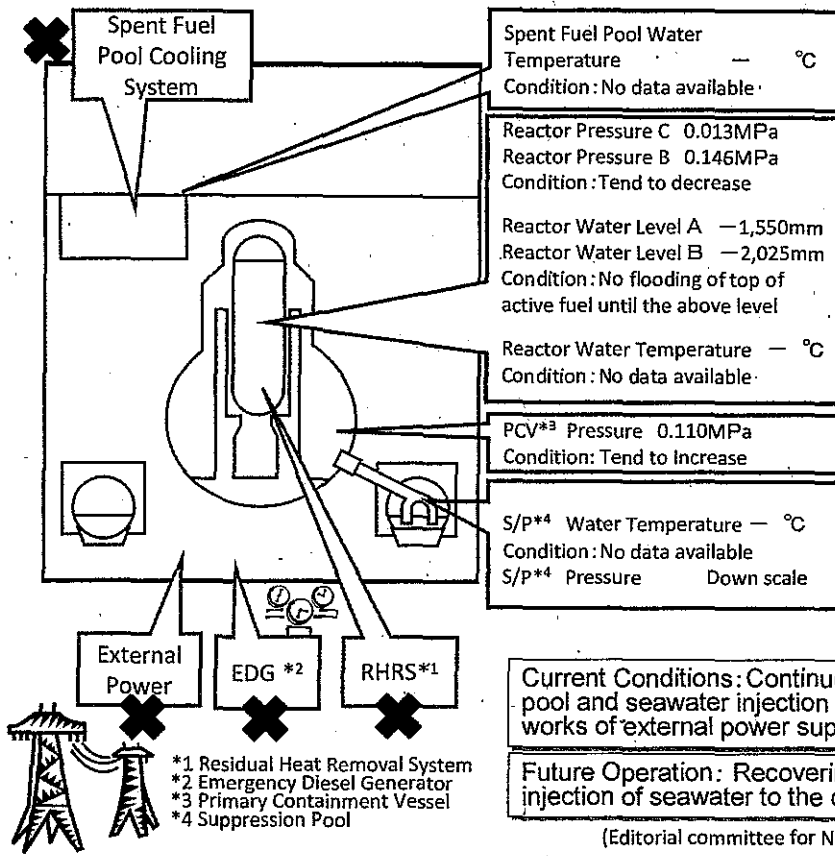


(Editorial committee for Nuclear Energy Handbook, Nuclear Energy Handbook)

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

(As of 17:00 March 21st, 2011)

## Major Events after the earthquake



Spent Fuel Pool Water Temperature — °C  
Condition: No data available

Reactor Pressure C 0.013MPa  
Reactor Pressure B 0.146MPa  
Condition: Tend to decrease

Reactor Water Level A —1,550mm  
Reactor Water Level B —2,025mm  
Condition: No flooding of top of active fuel until the above level

Reactor Water Temperature — °C  
Condition: No data available

PCV\*3 Pressure 0.110MPa  
Condition: Tend to Increase

S/p\*4 Water Temperature — °C  
Condition: No data available  
S/p\*4 Pressure Down scale

11<sup>th</sup> 14:46 Under operation, Automatic shutdown by the earthquake  
11<sup>th</sup> 15:42 Report based on the Article 10 (Total loss of A/C power)  
13<sup>th</sup> 5:10 Occurrence of the Article 15 event (Inability of water injection of the Emergency Core Cooling System)  
13<sup>th</sup> 9:20 Started to vent  
14<sup>th</sup> 7:44 Occurrence of the Article 15 event (Unusual rise of the pressure in PCV)  
14<sup>th</sup> 11:01 Sound of explosion  
16<sup>th</sup> around 8:30 White smoke generated.  
17<sup>th</sup> 9:48~10:01 Water discharge by the helicopters of Self-Defense Force (4 times)  
19:05~20:07 Water spray from the ground by High pressure water-cannon trucks (Police: once, Self-Defense Force: 5 times)  
18<sup>th</sup> before 14:00~14:38 Water spray from the ground by 6 fire engines of Self-Defense Force  
~14:45 Water spray from the ground by a fire engine of the US Military  
19<sup>th</sup> 0:00 ~ 01:00 Water spray by Tokyo Fire Department  
19<sup>th</sup> 14:10 ~ 20<sup>th</sup> 3:40 Water spray by Tokyo Fire Department  
20<sup>th</sup> 11:00 Pressure of PCV rose(320kPa).Afterward fell.  
20<sup>th</sup> 20:39 ~ 21<sup>st</sup> 3:58 Water spray by Tokyo Fire Department  
21<sup>th</sup> about 15:55 Grayish smoke generated.

**Current Conditions:** Continuous operations for water spray over the pool and seawater injection to the core, and continuous recovering works of external power supply

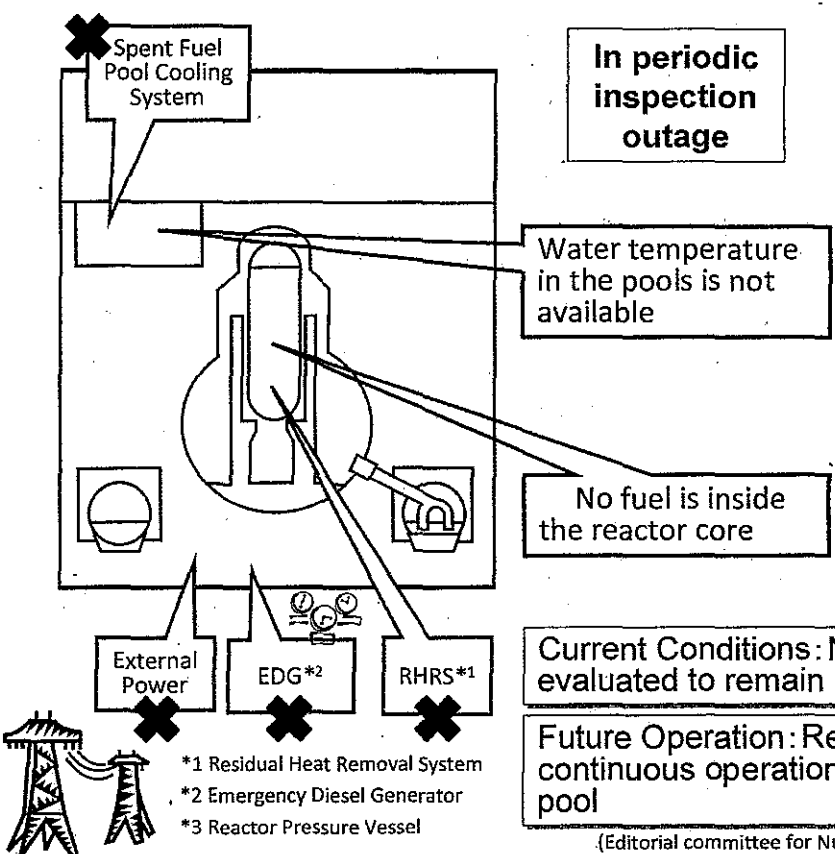
**Future Operation:** Recovering power supply and continuous injection of seawater to the core.

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

# Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 4

(As of 17:00 March 21st, 2011)

## Major events after the earthquake



**In periodic inspection outage**

Water temperature in the pools is not available

No fuel is inside the reactor core

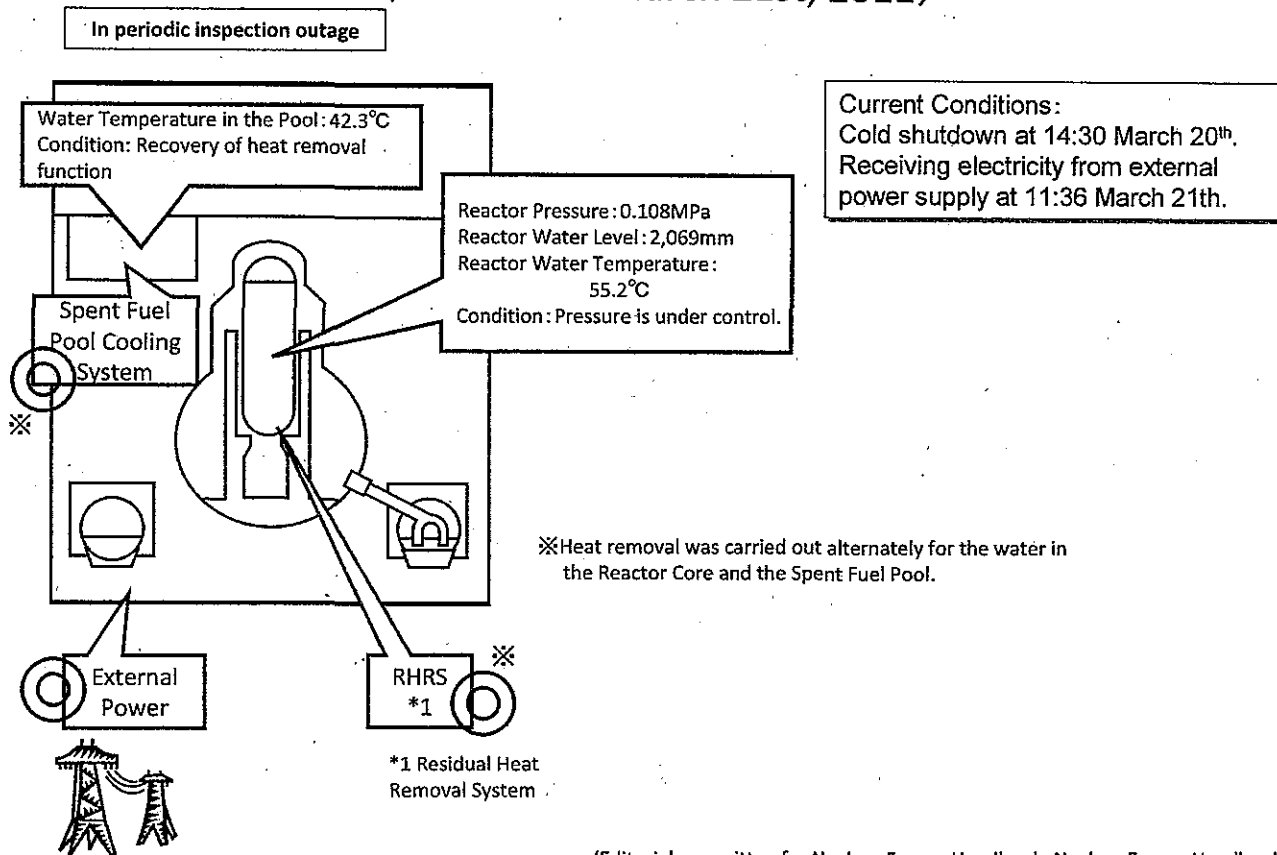
In periodic inspection outage when the earthquake occurred.  
11<sup>th</sup> 15:42 Report based on the Article 10 (Total loss of A/C power)  
14<sup>th</sup> 4:08 Water temperature in the Spent Fuel Pool, 84°C  
15<sup>th</sup> 6:14 Damage of wall in the 4<sup>th</sup> floor confirmed  
15<sup>th</sup> 9:38 Fire occurred in the 3<sup>rd</sup> floor. (12:25 extinguished)  
16<sup>th</sup> 5:45 Fire occurred. TEPCO couldn't confirm any fire on the ground. (6:15)  
20<sup>th</sup> 9:43 Water spray over the Spent Fuel Pool by Self-Defense Force  
20<sup>th</sup> around 18:30~19:46 Water spray over the Spent Fuel Pool by Self-Defense Force  
21<sup>th</sup> 6:37~8:41 Water spray over the Spent Fuel Pool by Self-Defense Force  
21<sup>th</sup> about 15:00 Work for laying cable to Power Center was completed.

**Current Conditions:** No fuel is in RPV\*3. Water was evaluated to remain in the Pool (by TEPCO)

**Future Operation:** Recovering power supply and continuous operations for water spray over the pool

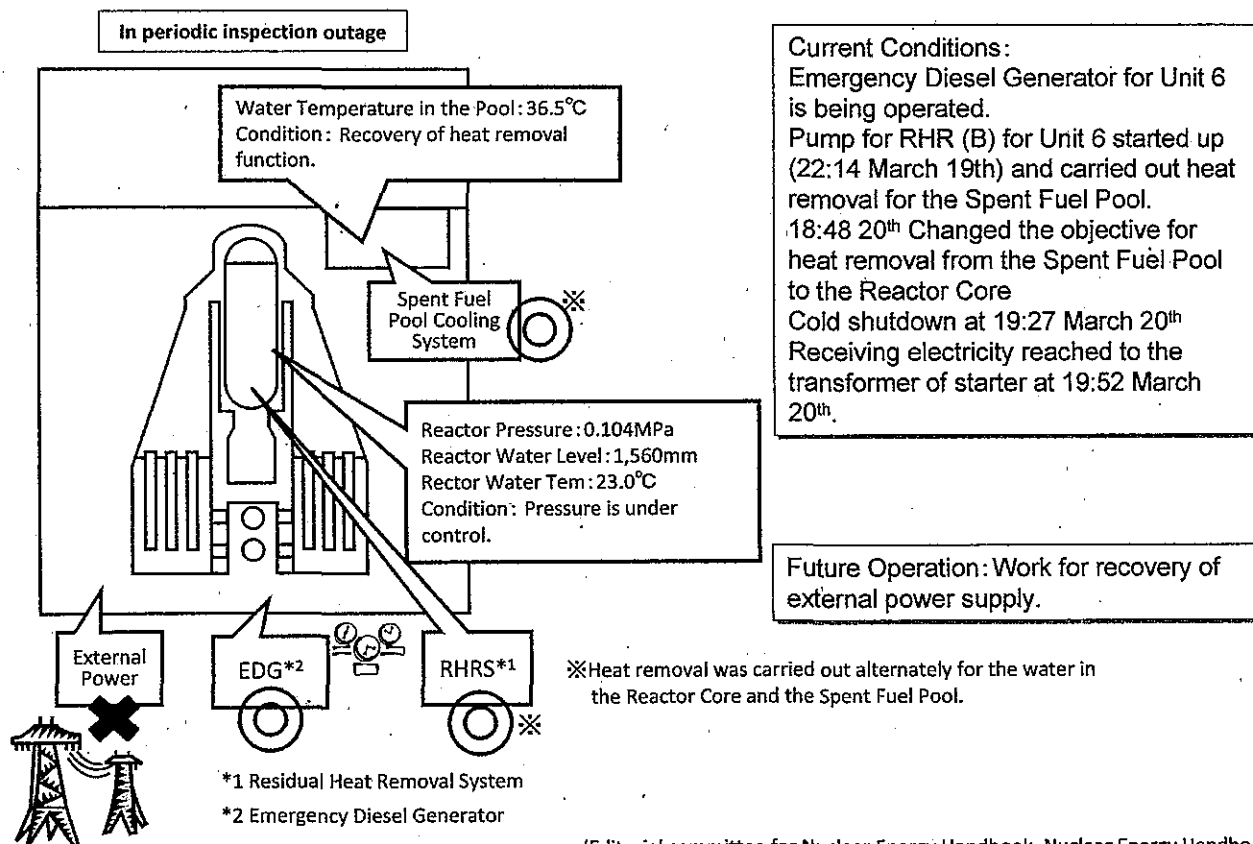
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## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 5 (As of 17:00 March 21st, 2011)



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

## Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 6 (As of 17:00 March 21st, 2011)



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