

Status of nuclear power plants in Fukushima as of 13:00 March 15 (Estimated by JAIF)

Power Station	Fukushima #1 Nuclear Power Station					
Unit	1	2	3	4	5	6
Power output (MWe)	460	784	784	784	784	1100
Type of Reactor	BWR-3	BWR-4	BWR-4	BWR-4	BWR-4	BWR-5
Operation Status at the earthquake occurred	Service	Service	Service	Outage	Outage	Outage
Fuel Integrity	Damaged	Unknown	Damaged	Not Damaged	Not Damaged	Not Damaged
Containment Integrity	Not Damaged	Damage Suspected	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Core cooling requiring AC power	Not Functional	Not Functional	Not Functional	Not necessary	Not necessary	Not necessary
Core cooling not requiring AC power	Not Functional	Not Functional	Not Functional	Not necessary	Not necessary	Not necessary
Building Integrity	Severely Damaged	Slightly Damaged	Severely Damaged	Partially Damaged	Not Damaged	Not Damaged
Environmental effect	Radiation monitor detect radiation increase in the environment (NPS border: 8,217 $\mu$ Sv/h at 8:31)					
water level of the pressure vessel	Unknown	Recovering after Dried-up	Unknown	Safe	Safe	Safe
pressure of the pressure vessel	Stable	(No info)	Stable	Safe	Safe	Safe
Containment pressure	Stable	D/W: Unknown, S/P: Atmosphere	Stable	Safe	Safe	Safe
Sea water injection to core	Done	Done	Done	Not necessary	Not necessary	Not necessary
Sea water injection to Containment Vessel	Done	to be decided	to be decided	Not necessary	Not necessary	Not necessary
Containment venting	Done	Preparing	Done	Not necessary	Not necessary	Not necessary
Evacuation Area	20km from NPS * People who live between 20km to 30km from the Fukushima #1NPS are to stay indoors.					
INES	Level 4 (estimated by NISA)					
Remarks	Fire broke on the 4th floor of the Unit-4 Reactor Building around 6AM and the radiation monitor readings increased outside of the building: 30mSv between Unit-2 and Unit-3, 400mSv beside Unit-3, 100mSv beside Unit-4 at 10:22. It is estimated that the spent fuels stored in the spent fuel pit heated and hydrogen was generated from these fuels, resulting in the explosion. TEPCO later announced the fire had been extinguished. Other staff and workers than 50 TEPCO employees, who are engaged in water injection operation, have been evacuated.					

Power Station	Fukushima #2 Nuclear Power Station			
Unit	1	2	3	4
Power output (MWe)	1100	1100	1100	1100
Type of Reactor	BWR-5	BWR-5	BWR-5	BWR-5
Operation Status at the earthquake occurred	Service	Service	Service	Service
Fuel Integrity	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Containment Integrity	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Core cooling requiring AC power	Functioning	Functioning	Functioning	Functioning
Core cooling not requiring AC power	Not necessary	Not necessary	Not necessary	Not necessary
Building Integrity	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Environmental effect	Stable (NPS border: 38.5 $\mu$ Sv/h at 6:00)			
water level of the pressure vessel	(No info )	(No info )	(No info )	(No info )
pressure of the pressure vessel	(No info )	(No info )	(No info )	(No info )
Containment pressure	(No info )	(No info )	(No info )	(No info )
Sea water injection to core	Not necessary	Not necessary	Not necessary	Not necessary
Sea water injection to Containment Vessel	Not necessary	Not necessary	Not necessary	Not necessary
Containment venting	Not necessary	Not necessary	Not necessary	Not necessary
Evacuation Area	10km from NPS			
INES	(No Info)			


[Source]

[Governmental Emergency Headquarters: News Release \(3/14 13:30\), Press conference \(3/14 11:45, 16:15, 3/15 8:00, 11:00\)](#)

[NISA: News Release \(3/14 7:30\)](#)

Tokyo Electric Power Co.: Press Release (3/14 16:00, 17:35, 3/15 6:00), Press Conference (3/14 12:10, 20:00, 3/15 8:00, 8:30)

[Significance]

 : low

 : high

 : severe

[Abbreviations]

INES: International Nuclear Event Scale

NISA: Nuclear and Industrial Safety Agency