

Status of nuclear power plants in Fukushima as of 19:00 March 15 (Estimated by JAIF)

| Power Station | Fukushima #1 Nuclear Power Station | | | | | |
|---|---|-------------------------------|-------------------------|--------------------------------|----------------------|----------------------|
| Unit | 1 | 2 | 3 | 4 | 5 | 6 |
| Electric / Thermal Power output (MWe) | 460 / 1380 | | 784 / 2381 | | | 1100 / 3293 |
| 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 |
| water level of the pressure vessel | Around half of the Fuel | Recovering after Dried-up | Around half of the Fuel | Safe | Safe | Safe |
| pressure of the pressure vessel | Stable | Fluctuating | Stable | Safe | Safe | Safe |
| Containment pressure | Stable | D/W: Unknown, S/P: Atmosphere | Stable | Safe | Safe | Safe |
| Sea water injection to core | Continuing | Continuing | Continuing | Not necessary | Not necessary | Not necessary |
| Sea water injection to Containment Vessel | Continuing | to be decided | to be decided | Not necessary | Not necessary | Not necessary |
| Containment venting | Continuing | Preparing | Continuing | Not necessary | Not necessary | Not necessary |
| Spent Fuel Integrity | (No info) | (No info) | (No info) | SFP level low, Injecting Water | SFP Temp. Increasing | SFP Temp. Increasing |
| Environmental effect | NPS border: 489.8 μ Sv/h at 16:30, Mar. 15 | | | | | |
| 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 | A fire broke on the 4th floor of the Unit-4 Reactor Building around 6AM, Mar. 15, 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, Mar. 15. It is estimated that spent fuels stored in the spent fuel pit heated and hydrogen was generated from these fuels, resulting in explosion. TEPCO later announced the fire had been extinguished. Other staff and workers than fifty TEPCO employees who are engaged in water injection operation have been evacuated. | | | | | |

| Power Station | Fukushima #2 Nuclear Power Station | | | |
|---|---|---------------|---------------|---------------|
| Unit | 1 | 2 | 3 | 4 |
| Electric / Thermal Power output (MWe) | 1100 / 3293 | | | |
| 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 |
| 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 |
| Environmental effect | NPS border: 13.7 μ Sv/h at 12:00, Mar. 15 | | | |
| Evacuation Area | 10km from NPS | | | |
| INES | (No Info) | | | |
| Spent Fuel Integrity | (No Info) | | | |
| Remarks | All the units are in cold shutdown. | | | |

[Source]

[Governmental Emergency Headquarters: News Release \(3/15 14:00\), Press conference \(3/14 11:45, 16:15, 3/15 8:00, 11:00, 16:25\)](#)
[NISA: News Release \(3/14 7:30\)](#)
 Tokyo Electric Power Co.: Press Release (3/14 16:00, 17:35, 3/15 6:00, 12:00, 16:30), Press Conference (3/14 12:10, 20:00, 3/15 8:00, 8:30)

[Abbreviations]

INES: International Nuclear Event Scale
 NISA: Nuclear and Industrial Safety Agency
 SFP: spent fuel pool

[Significance]

 : low
 : high
 : severe