

Status of nuclear power plants in Fukushima as of 12:30 March 14 (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         |
| Operational Status at the earthquake occur | Service                                                                                                | Service        | Service        | Outage        | Outage        | Outage        |
| Fuel Integrity                             | Damaged                                                                                                | Not Damaged    | Damaged        | Not Damaged   | Not Damaged   | Not Damaged   |
| Containment Integrity                      | Not Damaged                                                                                            | Not Damaged    | Not Damaged    | Not Damaged   | Not Damaged   | Not Damaged   |
| Core coolabilit-1 (ECCS/RHR)               | Not Functional                                                                                         | Not Functional | Not Functional | Not necessary | Not necessary | Not necessary |
| Core coolabilit-2 (RCIC/MUWC)              | Not Functional                                                                                         | RCIC Working   | Not Functional | Not necessary | Not necessary | Not necessary |
| Building Integrity                         | Damaged                                                                                                | Not Damaged    | Damaged        | Not Damaged   | Not Damaged   | Not Damaged   |
| Environmental effect                       | Radiation monitor detect radiation increase in the environment (NPS boarder: 20 $\mu$ Sv/h at 11:44AM) |                |                |               |               |               |
| water level of the pressure vessel         | Unknown                                                                                                | Above the top  | Unknown        | Safe          | Safe          | Safe          |
| pressure of the pressure vessel            | Stable                                                                                                 | Stable         | Stable         | Safe          | Safe          | Safe          |
| Containment pressure                       | Stable                                                                                                 | Stable         | Stable         | Safe          | Safe          | Safe          |
| Sea water injection to core                | Suspended                                                                                              | To be decided  | Done           | Not necessary | Not necessary | Not necessary |
| Containment venting                        | Done                                                                                                   | Preparing      | Done           | Not necessary | Not necessary | Not necessary |
| Evacuation Area                            | 20km from NPS                                                                                          |                |                |               |               |               |
| INES                                       | Level 4 (estimated by NISA)                                                                            |                |                |               |               |               |

| 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          |
| 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 coolabilit-1 (ECCS/RHR)       | Functioning                                   | Not Functional | Functioning   | Not Functional |
| Core coolabilit-2 (RCIC/MUWC)      | Not necessary                                 | Functioning    | Not necessary | Functioning    |
| Building Integrity                 | Not Damaged                                   | Not Damaged    | Not Damaged   | Not Damaged    |
| Environmental effect               | Stable (NPS boarder: 0.038 $\mu$ Sv/h at 8AM) |                |               |                |
| 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 )                                    | Increase       | (No info )    | Increase       |
| Sea water injection to core        | Not necessary                                 | to be decided  | Not necessary | to be decided  |
| Containment venting                | Not necessary                                 | to be decided  | Not necessary | to be decided  |
| Evacuation Area                    | 10km from NPS                                 |                |               |                |
| INES                               | (No Info)                                     |                |               |                |

Source:

[Governmental Emergency Headquarters: News Release \(10:30\), Press conference \(11:45\)](#)

[NISA \(Nuclear and Industrial Safety Agency\): News Release \(7:30\)](#)

Tokyo Electric Powe Co.: Prsss Release (6:01, 8:00), Press Conference (12:10)

Abbreviations:

ECCS: Emergency Core Cooling System  
RHR: Residual Heat Removal System  
RCIC: Reactor Core Isolation Cooling System  
MUWC: Make-Up Water Condensate System  
INES: International Nuclear Event Scale