**Fukushima Daiichi Nuclear Power Station Plant Parameters**

As of 12:00 on December 1

<table>
<thead>
<tr>
<th>Unit 1</th>
<th>Unit 2</th>
<th>Unit 3</th>
<th>Unit 4</th>
<th>Unit 5</th>
<th>Unit 6</th>
</tr>
</thead>
</table>
| **Water temperature**
  - Temperature in feed-water nozzle: 71.6 ℃ (as of 11:00, 12/1)
  - Temperature at reactor vessel bottom: 70.5 ℃ (as of 11:00, 12/1)
| System A: 46.7 ℃ (as of 11:00, 12/1)
  - System B: 45.3 ℃ (as of 11:00, 12/1)
  - System A: 46.8 ℃ (as of 11:00, 12/1)
  - System B: 45.4 ℃ (as of 11:00, 12/1)
| System A: 38.7 ℃ (as of 11:00, 12/1)
  - System B: 38.9 ℃ (as of 11:00, 12/1)
| **Temperature in feed-water nozzle**
  - Temperature in feed-water nozzle: 43.3 ℃
  - Temperature in feed-water nozzle: 44.4 ℃ (as of 11:00, 12/1)
| System A: 71.0 ℃
  - System B: 68.5 ℃ (as of 11:00, 12/1)
| **Temperature in S/C**
  - System A: 43.4 ℃
  - System B: 43.3 ℃ (as of 11:00, 12/1)
| **Status of water injection to the reactor**
  - Fresh water feeding
    - Feed water system: 2.0 m³/h
    - CS line: 6.0 m³/h (as of 11:00, 12/1)
  - Fresh water feeding
    - Feed water system: 2.0 m³/h
    - CS line: 6.0 m³/h (as of 11:00, 12/1)
| **Effective pressure**
  - System A: 0.007 MPa g (as of 11:00, 12/1)
  - System B: -0.001 MPa g (as of 11:00, 12/1)
  - System A: 0.007 MPa g (as of 11:00, 12/1)
  - System B: -0.001 MPa g (as of 11:00, 12/1)
| **System A**
  - Downscal e
  - Stoppage range: 1829 mm
  - Stoppage range: 2123 mm (as of 11:00, 12/1)
| **System B**
  - Downscal e
  - Stoppage range: 2119 mm
  - Stoppage range: 2123 mm (as of 11:00, 12/1)
  - System A: Downscal e
  - Stoppage range: 2123 mm
  - Stoppage range: 2123 mm (as of 11:00, 12/1)
| **Power source**
  - Receiving offsite power (P/C2C)
  - Receiving offsite power (P/C4D)
  - Receiving offsite power (P/C4D)

Other:
- Hydrogen concentration by Pressure Containment Vessel (PCV) gas management system, Unit 2: 0.6vol% (as of 11:00, 12/1)
- HHV return temperature of Unit 2 D/W is under continuously monitoring, as the cause is under investigation after the confirmation of possibility of defect.
- Unit 5: Due to a cleaning of the Seawater Pump Room, the Core Cooling System and Spent Fuel Pool are in a cooling shutdown state.

**Note:**
Some indicators might not be functioning properly beyond the normal condition for usage affected by the earthquake and subsequent events. We comprehensively evaluate situations in plants using all the available information from indicators and also focusing on trends, taking uncertainty of indicators into consideration.

**Pressure conversion:**
- Gauge pressure/MPa g = Absolute pressure/MPa abs – atmospheric pressure (normal atmospheric pressure 0.1013 MPa)
- Absolute pressure/MPa g = Gauge pressure/MPa g – atmospheric pressure (normal atmospheric pressure 0.1013 MPa)
### Supplemental explanation for each parameter

<table>
<thead>
<tr>
<th>Item</th>
<th>Recording manner</th>
<th>Measurement manner</th>
<th>Ch number or number of systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of water injection to the reactor</td>
<td>Water inflow (CS line : Core Spray system)</td>
<td>Temporary</td>
<td>System 1/1</td>
</tr>
<tr>
<td>Water level in the reactors</td>
<td>Data measured by the water gauge, which monitor the fuel range</td>
<td>Temporary</td>
<td>System A: 1/1Ch, System B: 1/1Ch</td>
</tr>
<tr>
<td>Pressure in the reactor</td>
<td>One representing value is noted among multiple data on each System A, B. Readings of temporary instruments are represented in A system for Unit 1and2.</td>
<td>Temporary</td>
<td>1/1 System (Unit 1/2), System A 1/2Ch, System B 1/2Ch (Unit 3)</td>
</tr>
<tr>
<td>Temperature in the reactor</td>
<td>Since there is no water inflow at the points, where thermometers are set, no data is collected.</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Temperature around the reactor vessel</td>
<td>Data measured at feed-water nozzle and at reactor vessel bottom (1U, 3U: RPV Bottom Head, 2U: RPV Wall Above Bottom Head) are noted among multiple data to view the whole picture.</td>
<td>Temporary</td>
<td>Point of Feed-water nozzle reactor vessel bottom 1/4Ch, 1/2Ch (Unit 1), 1/1Ch (Unit 2/3)</td>
</tr>
<tr>
<td>Pressure in D/W - S/C</td>
<td>Data from temporary instrument, (D/W: Dry Well, S/C: Suppression Chamber)</td>
<td>Temporary</td>
<td>D/W: System A 1/1Ch, System B 1/1Ch, System C: System A 1/1Ch, System B 1/1Ch</td>
</tr>
<tr>
<td>D/W Atmosphere temperature</td>
<td>Data at upper point (RPV Bellows Air) and middle point (HVH return) are noted among multiple data to view the whole picture. (RPV: Reactor Pressure Vessel, HVH: Heating Ventilating Handling Unit)</td>
<td>Temporary</td>
<td>RPV Bellows Air 1/5Ch, D/W HVH return 1/5Ch</td>
</tr>
<tr>
<td>CAMS radiation monitor</td>
<td>Data from temporary instrument, (CAMS: Containment Atmospheric Monitoring System)</td>
<td>Temporary</td>
<td>System A 1/4Ch (Unit 1), System B 1/4Ch (Unit 2), System C: System A 1/1Ch, System B 1/1Ch</td>
</tr>
<tr>
<td>Temperature in S/C</td>
<td>Data from temporary instrument. One representing value is noted among multiple data on each System A, B.</td>
<td>Temporary</td>
<td>System A: 1/1Ch (Unit 1), System B 1/4Ch (Unit 1), 1/1Ch (Unit 2/3)</td>
</tr>
<tr>
<td>Temperature in the spent fuel pool</td>
<td>Data from temporary instrument, (Non-thermal mode: Urgent Heat load Mode, SHC mode: Shut down Cooling Mode)</td>
<td>Temporary</td>
<td>1/1 Ch (Unit 2), 1/1 system (Unit 1/3/4)</td>
</tr>
<tr>
<td>FPC skimmer surge tank level</td>
<td>Unit2, 4 are the FPC skimmer surge tank level measured temporary instrument. Unit1, 3 are the FPC skimmer surge tank level estimated from temporary pressure gages. Reference value!</td>
<td>Temporary</td>
<td>1/1system</td>
</tr>
</tbody>
</table>

### Supplemental explanation for notes

<table>
<thead>
<tr>
<th>Item</th>
<th>Contents</th>
<th>Status As of 12:00 on December 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument failure</td>
<td>Instrument failure : down of instrument reading (over) scale, failure of instrument</td>
<td>Unit 1 CAMS D/W radiation monitor, Unit 2 Pressure in S/C, CAMS D/W/B radiation monitor, CAMS S/C/B radiation monitor</td>
</tr>
<tr>
<td>Not covered for collecting data</td>
<td>Unit 4: Monitoring is not implemented since all fuel are takeoff. Unit 5/6: Monitoring is not implemented since heat removal of reactor is functioning</td>
<td>Unit 3 —</td>
</tr>
<tr>
<td>Continuously monitoring the status</td>
<td>Inaccurate Data defined from relation with other Parameters such as negative figure.</td>
<td>Unit 1 Reactor water level/B, Pressure in S/C, Unit 2 Reactor pressure level, RPV bellows air temperature/HVH return temperature, Unit 3 Reactor water level, reactor pressure, RPV bellows air temperature, CAMS D/W/A radiation monitor</td>
</tr>
</tbody>
</table>