Fukushima Daiichi Nuclear Power Station  
Plant Parameters

As of 06:00 on August 17

### Unit 1
- **Status of water injection to the reactor**: Fresh water injection
- **Water temperature of the reactor**: 39.2 °C
- **Fuel range A**: -1850 mm
- **Fuel range B**: -2200 mm

### Unit 2
- **Status of water injection to the reactor**: fresh water injection
- **Water temperature of the reactor**: 39.2 °C
- **Fuel range A**: -1850 mm
- **Fuel range B**: -2200 mm

### Unit 3
- **Status of water injection to the reactor**: fresh water injection
- **Water temperature of the reactor**: 39.2 °C
- **Fuel range A**: -1850 mm
- **Fuel range B**: -2200 mm

### Unit 4
- **Status of water injection to the reactor**: Offsite power (P/C2C)
- **Water temperature of the reactor**: 39.2 °C
- **Fuel range A**: -1850 mm
- **Fuel range B**: -2200 mm

### Unit 5
- **Status of water injection to the reactor**: Offsite power (P/C4D)
- **Water temperature of the reactor**: 29.5 °C
- **Fuel range A**: -2627 mm
- **Fuel range B**: -2200 mm

### Unit 6
- **Status of water injection to the reactor**: Offsite power (P/C4D)
- **Water temperature of the reactor**: 27.4 °C
- **Fuel range A**: -2627 mm
- **Fuel range B**: -2200 mm

### Other Parameters
- **Temperature in the Common Spent Fuel Storage**: 36.0 °C
- **System A**: 48.2 °C
- **System B**: 48.1 °C
- **Temperature in feed-water nozzle**: 106.3 °C
- **Temperature at reactor vessel bottom**: 103.3 °C
- **D/W**: 0.1015 MPa abs
- **S/C**: 0.1838 MPa abs
- **RPV bellow seal**: 118.3 °C
- **HVH return**: 109.3 °C
- **D/W(A)**: 3.70E+00 Sv/h
- **S/C(A)**: 3.21E-01 Sv/h
- **D/W(B)**: 2.68E+00 Sv/h
- **S/C(B)**: 3.02E-01 Sv/h
- **Temperature in feed-water nozzle**: 108.0 °C
- **Temperature at reactor vessel bottom**: 114.7 °C
- **D/W**: 0.120 MPa abs
- **S/C**: 0.110 MPa abs
- **RPV bellow seal**: 87.0 °C
- **HVH return**: 116.0 °C
- **D/W(A)**: 1.09E+01 Sv/h
- **S/C(A)**: 1.37E-01 Sv/h
- **D/W(B)**: 5.02E+00 Sv/h
- **S/C(B)**: 6.33E-01 Sv/h

### Additional Information
- **Pressure conversion**: 
  - Gauge pressure (MPa g) = Atmospheric pressure (MPa abs) - normal atmospheric pressure (0.1013 MPa)
  - Normal atmospheric pressure (0.1013 MPa) = Gauge pressure (MPa g) + atmospheric pressure (normal atmospheric pressure 0.1013 MPa)

### Notes
- **Data of Pressure in D/W of Unit 1 on 11/29 was corrected because it was incorrect.**
### Supplemental explanation for the plant parameters

<table>
<thead>
<tr>
<th>Item</th>
<th>Recording manner</th>
<th>Measurement manner</th>
<th>Ch number or number of systems</th>
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<tbody>
<tr>
<td>Status of water injection to the reactor</td>
<td>Water inflow</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>Main indicator</td>
<td>System A 1/1Ch, System B 1/1Ch</td>
</tr>
<tr>
<td>Pressure in the reactor</td>
<td>Measure voltage value of pressure instrument by the main indicator panel and convert to the pressure. One representing value is noted among multiple data on each System A, B.</td>
<td>Unit 1/2: Temporary, Unit 3: Measures voltage value through the main indicator panel and converts them to the pressure.</td>
<td>Main System A 1/1 system, System B 1/2Ch</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>Main recorder</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 main instrument. Measure voltage value by the main instrument panel converted to the pressure in case main instruments are not in function. As to the D/W pressure of Unit 2, the reading of the temporary indicator is described. (D/W: Dry Well, S/C: Suppression Chamber.)</td>
<td>(D/W) Unit 1/1Ch, Main recorder, Unit 2: Temporary, Unit 3: Main instrument panel (converted from voltage) (S/C) Unit 1/2Ch, Main indicator, Unit 3: Main instrument panel (converted from voltage).</td>
<td>(D/W) Main recorder wide range 1/1Ch (Unit 1), Temporary indicator: 1/1 system (Unit 2), Main instrument panel 1/4Ch (Unit 3) (S/C) Main indicator 1/1 system (Unit 1), System A 1/1Ch, System B 1/1Ch (Unit 2), System A 1/4Ch, System B 1/4Ch (Unit 3)</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>Main recorder</td>
<td>D/W Bellows Air 1/5Ch, D/W HVH return 1/5Ch</td>
</tr>
<tr>
<td>CAMS radiation monitor</td>
<td>Data from the instrument reading of main indicator. (CAMS: Containment Atmospheric Monitoring System)</td>
<td>Main indicator</td>
<td>System A 1/1Ch, System B 1/1Ch</td>
</tr>
<tr>
<td>Temperature in S/C</td>
<td>Data from the instrument reading of main recorder. One representing value is noted among multiple data on each System A, B.</td>
<td>Main indicator</td>
<td>System A/1 Ch (Unit 1), 8Ch (Unit 2/3), System B/1 Ch (Unit 1), 8Ch (Unit 2/3)</td>
</tr>
<tr>
<td>Temperature in the spent fuel pool</td>
<td>Data from the instrument reading or from the measurement reading of samples of main indicator and temporary insuffumation (Non-thermal mode : Urgent Heat load Mode, SHC mode : Shut down Cooling Mode)</td>
<td>Unit 2: Main recorder, Unit 3: 1/3/4: Temporary indicator</td>
<td>Main indicator: 1/1Ch (Unit 2), Temporary indicator: 1/1 system (Unit 1/3/4)</td>
</tr>
<tr>
<td>FPC skimmer surge tank level</td>
<td>Data from the instrument reading of main indicator (FPC: Fuel Pool Cooling and Filtering System)</td>
<td>Main indicator</td>
<td>System 1/1</td>
</tr>
</tbody>
</table>

### Supplemental explanation for notes

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<tr>
<th>Item</th>
<th>Contents</th>
<th>Status As of 06:00 on August 17</th>
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<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, Level of skimmer surge tanks, Unit 2 Pressure in S/C, CAMS D/W/B radiation monitor, CAMS S/C/B radiation monitor, Unit 3 Level of skimmer surge tanks</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>--</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, Unit 2 Reactor water level, RPV bellow air temperature, Unit 3 Reactor water level, reactor pressure, RPV bellow air temperature, CAMS D/W/B radiation monitor</td>
</tr>
</tbody>
</table>