### Plant status when hit by the earthquake

<table>
<thead>
<tr>
<th>No. of spent fuels in the spent fuel pool</th>
<th>Unit 1</th>
<th>Unit 2</th>
<th>Unit 3</th>
<th>Unit 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of spent fuels in the fuel pool</td>
<td>540</td>
<td>504</td>
<td>514</td>
<td>1331</td>
</tr>
</tbody>
</table>

### Impact of earthquake

- Damage to the facility:
  - Core damage
  - Damage to containment

### Countermeasures

- Cooling systems activated
- Radiation exposure monitored
- Debris removal started

### Radioactive materials

- Radioactive iodine, I-131, cesium, Cs-134, 137, and Sr-89, 90 detected from the subdrain, underground water collected and treated.
- Radioactivity and volume data:
  - I-131: 4.0E+5 Bq/cm³, 1.9E+7 Bq/cm³
  - Cs-134, 137: 3.8E+5 Bq/cm³, 2.0E+5 Bq/cm³
  - Sr-89, 90: 2.0E+5 Bq/cm³
  - Volume: 1,100 m³ [5/31], 2,400 m³ [5/31], 2,300 m³ [5/31], 3,700 m³ [5/31], 8,400 m³ [5/31], 11,400 m³ [5/31], 13,600 m³ [5/31], 11,800 m³ [5/31]

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TEPCO's analysis [announced on 5/15,23]

-2 TEPCO estimated that there was no severe damage to the fuel in the Unit 4 SFP based on the concentration of radioactive materials in the pool and the pictures of the pool. [4/13,28,29]

-3 Rough estimate by TEPCO [announced on 5/31]

[Progress of countermeasures]

- Completed
- Under construction
- To be done (including studying and manufacturing)

[Source]

Government Nuclear Emergency Response Headquarters; News Release, Press conference
NEA; News Release, Press conference
TEPCO; Press Release, Press Conference

[Abbreviations]

SFP: Spent Fuel Storage Pool
EDG: Emergency Diesel Generator
RPV: Reactor Pressure Vessel
PCV: Primary Containment Vessel
R/B: Reactor Building
T/B: Turbine Building
RW/B: Radioactive Waste Disposal Building
RHR: Residual Heat Removal system
CST: Condensate water Storage Tank
Hx: Heat exchanger
NPS: Nuclear power station

[Significance judged by JAIF]

- Low
- High
- Severe (Need immediate action)