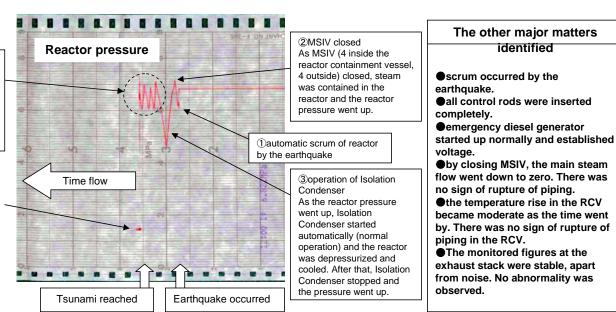
## Plant data of Fukushima Daiichi Nuclear Power Station

#### Unit 1's record

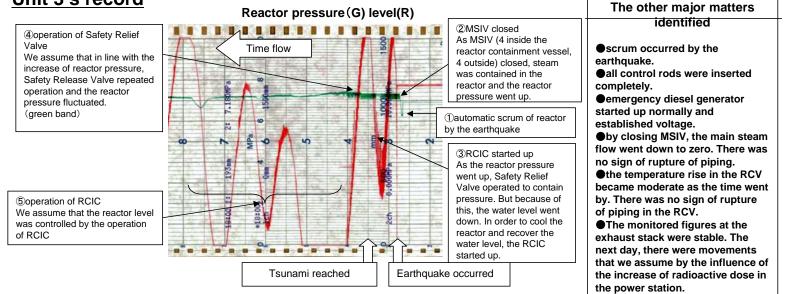
④operation of Safety Relief Valve etc We assume that in line with the increase of reactor pressure, Safety Release Valve or Isolation Condenser repeated operation and the reactor pressure fluctuated.

⑤Recorder stopped because of Tsunami We assume that because of Tsunami, electricity for instruments was lost, the pressure transmitter's signal became abnormal and the chart stopped.



#### Reactor 2 MSIV closed Unit 2's record The other major matters pressure(G) As MSIV (4 inside the identified reactor containment vessel, level(R) 4 outside) closed, steam was contained in the Scrum occurred by the ④operation of Safety Relief reactor and the reactor earthquake. Valve pressure went up. **•**all control rods were inserted We assume that in line with the 000 completely. increase of reactor pressure. Safety Release Valve repeated **•**emergency diesel generator operation and the reactor started up normally and established Dautomatic scrum of pressure fluctuated. reactor by the earthquake voltage. (green band) •by closing MSIV, the main steam flow went down to zero. There was ③RCIC started up no sign of rupture of piping. As the reactor pressure Time flow • the temperature rise in the RCV went up, Safety Relief 5 Recorder stopped because became moderate as the time went Valve operated to contain of Tsunami by. There was no sign of rupture of pressure. But because of We assume that because of piping in the RCV. this, the water level went Tsunami, electricity for Ounits 1 and 2 are sharing the down. In order to cool the instruments was lost, the reactor and recover the same exhaust stack. The evaluation pressure transmitter's signal on the monitored figures is the water level, the RCIC became abnormal and the ...... . . . started up. same as Unit 1. chart stopped. Tsunami reached Earthquake occurred

## Unit 3's record



# Plant data of Fukushima Daiichi Nuclear Power Station

#### The category of data in the report and the operation report

		Unit 1	Unit 2	Unit 3	Uni	t 4	Unit 5	Unit 6	Note
The status of the plant at the time of the earthquake		In operation	In operation	In operation	Maintenance (removing fuel)		Maintenance (RPV pressure test)	Maintenance (RPV closed)	
Media	Recorder chart	<b>Collected:</b> From March 11th to stop of chart by Tsunami. As for Units 5 & 6, up to cold shutdown. After resumption of electricity supply for instruments, recording plant related parameters for continuous data collection.							
	Annunciator record	<b>Collected</b> : collected printed data. As for Unit 2 with recording function, collected that data also.			In the process of		<b>Collected</b> : collected the annuciator log. Periodic record was suspended during maintenance.		
	Operation diary Collected : collected the operation diary on March 11th. Collected - day shift, March 11th). For some of units, collected memos at the time of the							ght shift, March 10 <sup>th</sup>	
	Process computer	No data No function to record	Collected	No data No function to record	No data		Collected	No data No function to record	
	Transient events record	<b>Collected</b> : by removing the HDD and supplying temporary electricity			In the process of replacement		<b>Collected</b> :test operation after replacement	No data Stopped during maintenance	
Operation record		<ul> <li>Isolation Condenser</li> <li>RCIC</li> <li>HPCF</li> <li>SRV</li> <li>RCV vent</li> <li>status and resumption of electricity supply</li> <li>alternative water injection by firefighting pump, seawater</li> <li>treatment of puddle water in T/B, outdoor trench and outdoor</li> </ul>				We assembled the operation record from correspondence between the HQ and the power station and the operation from the operation diary.			

#### Category and content of data in the report

Category	Content				
Recorder chart	This is a commonly used chart to record various data at the power station. This records data by colored ink on roller paper.				
Annuciator record	This is part of output from the process computer. This records the time of annuciator and the response of plant system. This is printed and kept as record by paper.				
Operation diary	Plant operators in the main control room records data and operation record to the operation diary. This also includes the taking over memo between shifts.				
Process computer	Process computer records annunciator record and plant parameters. The function is similar to below transient events record.				
Transient events record	The purpose of this is to supplement the recorder chart. This records plant parameters a few minutes before and thirty minutes after malfunction				

