	ic			Unit 1	Unit 2	Unit 3	Unit 4	Notes
Basic information			pe of plant hermal power output	BWR-3 460/1380	BWR-4 784/2381	BWR-4 784/2381	BWR-4 784/2381	
Plant s	tatus	Ope	ration status	In service -> Shutdown	In service -> Shutdown 548	In service -> Shutdown 548	Outage 0	,
when h	•	No. of nuclear fuels loaded in the reactor No. of spent fuels stored in the SFP		292	587	514	1331	
earthquake		External power supply Emergency power supply		EDGs automatically s		the earthquake was lost but stopped later when t	tsunami hit the plants.	-
-	<u>s</u>	Core and fuel integrity PCV structural integrity		Damaged (core melt*1)	Damaged (core melt*1)	Damaged (core melt*1)	No fuels loaded	
	Status		ructural integrity ructural integrity	Limited damage and leakage Damage and leakage suspected	Unknown Damage and leakage suspected	Unknown Damage and leakage suspected	No damage No damage	
			ore cooling (April through June)	Not functional Stable cooling (circulating injection	Not functional	Not functional	Not required	
cooling			ninimum injection rate	Injecting freshwater into the reactor	Injecting freshwater into the reactor	Injecting freshwater into the reactor		Total injection flow: 21.5m3/
		Esta	ablishment of	via feed water line at 5m3/h Work for injection line in progress	via feed water line at 5m3/h Work for injection line in progress	via feed water line at 11.5m3/h Work for injection line in progress	_	[6/5]
or c	sarres		g injection cooling s injection into PCV	Injection continued [4/6-]	[4/9-] Work for injection line in progress	[4/16-] Work for injection line in progress	_	
Reactor	meas		CV after sealing leaks	Studying	[4/16-] Studying	[4/16-] Studying	_	
"		Securing he	at exchange function	Work for secondary-loop piping	Manufacturing Hx in progress Construction work to be started after	Manufacturing Hx in progress Construction work to be started after	_	
	0			in progress (5/13-)	improving the work environment npering the work to restore reactor	improving the work environment		
	Challenge	Improving	work environment	radioactively contaminated debris,	radiation monitoring and other pre	eparation work is under way in	_	
				hampers the work in the building.	P is expected to reduce the high h	numidity in the Unit 2 R/B, which		
	State	Fuel integrity in SFP SFP cooling		Unknown Not functional	Unknown Not functional	Unknown Not functional	No severe damage suspected*2 Not functional	
cooling	((April through June)	Stable cooling	NOT fullictional	NOC IUNICUONAL		
of the plant and the progress of countermeasures taken Accumulated water SFP coo	res		ity improvement	Injecting freshwater into the SFP	Switching from freshwater injection via SFP coolant clean up line to	Injecting freshwater into the SFP	Spraying freshwater into the SFP using pump truck	Injecting/Spraying corrosion inhibitor, hydrazine (H2NNH2), with
	measures	in inje	ction operation	via SFP coolant clean up line	circulation cooling	via SFP coolant clean up line	Starting work for injection via SFP coolant cooling line	freshwater [5/9-]
			on cooling with Hx	Planned	In operation	Planned	Planned	
	Status	Increase and accumulation of radioactively contaminated water		High level of radioactive waste water is accumulating in the R/B, T/B and W/B of each unit. (about 92,000m3 [5/31])				
		Securing storage place		Securing storage place of high level radioactive waste water -Waterproof check of Centralized Radiation Waste Treatment Facility, Process Main Building (storage capacity: approx. 10,000m3) and Miscellaneous Solid Waste Volume Reduction Treatment Building (storage capacity: approx. 4,800m3) completed -Underground tank for high level radioactive wastewater (storage capacity: approx. 10,000m3) to be installed in the mid August -Storage tanks to receive processed, low to middle level radioactive wastewater with the capacity of approx. 13,000m3 installed (-5/31). Additional capacity to be installed at 20,000m3/month from the end of June.				
	neasures	Transfer of radioactive waste water		-Unit 2: Concrete tunnel => Process Main Building [4/19-5/26, approx. 9,600m3] Wastewater transfer was suspended and resumed after revising the storage limit level of the building [6/4-] -Unit 3: T/B => Miscellaneous Building [5/17-5/25, approx. 3,700m3] Transfer suspended due to possible leakage				
		Installation of water process facility		-Working on installation of water p	processing facilities Water process	sing to be started on June 15th (c		
				reuse the water for injecting into t	he reactor		then moreased step by step/ to	
5 `		Preventing co	ntamination of the sea, etc.	-Silt fences installedWorking or -Blocking the concrete tunnels ou		ry purification system [5/30-]		
Current status	Challenge	Preventing overflow of high level radioactive waste water		While the risk of the leaking of the high level radioactive waste water accumulating in the Unit 2 and 3 T/Bs and concrete tunnels is increasing, transfer of the water was suspended due to the limit of the capacity and the possible leakage of the receiving facilities. It has been decided to use Unit 2 and 3 main steam condensers as a receiving tank while revising the storage limit of the process main facility (total increased capacity: approx. 4,300m3) Storing and processing low level radio active waste water				
	meas		g storage capacity	2,200tons of tanks installed. Approx. 16,000tons of tanks to be installed by the beginning of June. 12,000 tons of receiving capacity to				
	Ē	Inci casing	g storage capacity	be secured by the end of June.				
	L E	Radioactive n	naterials in the ground	-	ium Cs-134 137 were detected fi	rom the subdrain underground wat	er collected and controlled in the	
rgro-	State		water	Radioactive iodine, I-131, and cesi facility, and the well water in the F	ukushima Daiichi site. [4/7–]		er collected and controlled in the	
Undergro-	S ×	Goal of STEP	water 1 (April through June)	Radioactive iodine, I-131, and cesi facility, and the well water in the F Preventing the contaminated under	Fukushima Daiichi site. [4/7-] erground water from spreading to t	he sea		
Under	measu	Goal of STEP Mitigation of gr	water 1 (April through June) oundwater contamination	Radioactive iodine, I-131, and cesi facility, and the well water in the F	Fukushima Daiichi site. [4/7–] erground water from spreading to t ddle of June]. Planning subdrain m	he sea nanagement according to the enhai	nced storing and processing plan.	Survey map on the site:
Under	measu	Goal of STEP Mitigation of gr Scattering of the outsi	water 1 (April through June) oundwater contamination radioactive materials to de of the facilities	Radioactive iodine, I-131, and cest facility, and the well water in the Preventing the contaminated under Restoring subdrain pumps [the mic Radioactive materials and radioactive events.	Fukushima Daiichi site. [4/7–] erground water from spreading to t ddle of June]. Planning subdrain m cively contaminated debris scatter	he sea nanagement according to the enhal ed due to the hydrogen explosion a	nced storing and processing plan.	
Under	measu	Goal of STEP Mitigation of gr Scattering of the outsi	water 1 (April through June) oundwater contamination radioactive materials to de of the facilities //B integrity	Radioactive iodine, I-131, and cest facility, and the well water in the F Preventing the contaminated under Restoring subdrain pumps [the mic Radioactive materials and radioactive vents. Severely damaged	Fukushima Daiichi site. [4/7-] erground water from spreading to tood to too to the subdrain must be subdrain in the subdrain must be subdrain in the subdrain must be subdrain in the subdrain	he sea nanagement according to the enhaled due to the hydrogen explosion a Severely damaged	nced storing and processing plan.	http://www.tepco.co.jp/en/nu/fukus
materials in Under	Status measu	Goal of STEP Mitigation of gr Scattering of the outsi R Goal of STEP 1	water 1 (April through June) oundwater contamination radioactive materials to de of the facilities	Radioactive iodine, I-131, and cest facility, and the well water in the Fereventing the contaminated under Restoring subdrain pumps [the mic Radioactive materials and radioactive vents. Severely damaged Preventing scattering of radioactive	Fukushima Daiichi site. [4/7-] erground water from spreading to toold be deleted by the deleted	he sea nanagement according to the enhaled due to the hydrogen explosion a Severely damaged	nced storing and processing plan. at Unit 1 and 3 R/Bs and other Severely damaged	http://www.tepco.co.jp/en/nu/fukus
oactive materials in Under	Status measu	Goal of STEP Mitigation of gr Scattering of I the outsi R Goal of STEP 1 Disper	water 1 (April through June) oundwater contamination radioactive materials to de of the facilities /B integrity (April through June)	Radioactive iodine, I-131, and cest facility, and the well water in the Fereventing the contaminated under Restoring subdrain pumps [the mic Radioactive materials and radioactive vents. Severely damaged Preventing scattering of radioactive	Eukushima Daiichi site. [4/7-] erground water from spreading to too too to the delegation of the delegation from the delegation of the del	he sea nanagement according to the enhanced due to the hydrogen explosion a Severely damaged e site n 4/26-] Dispersion to the R/Bs a	nced storing and processing plan. at Unit 1 and 3 R/Bs and other Severely damaged	http://www.tepco.co.jp/en/nu/fukus
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^{*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]

[Source]
Government Nuclear Emergency Response Headquarters: News Release,

Press conference NISA: 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

R/B: Reactor Building
T/B: Turbine Building
W/B: Waste 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)

[Progress of countermeasures]

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