ъ.				Unit 1	Unit 2	Unit 3	Unit 4	Notes
Basio nforma			pe of plant nermal power output	BWR-3 460/1380	BWR-4 784/2381	BWR-4 784/2381	BWR-4 784/2381	
lant st		Opera	ation status	In service -> Shutdown	In service -> Shutdown	In service -> Shutdown	764/2361 Outage	
vhen hi			iels loaded in the reactor iels stored in the SFP	400 292	548 587	548 514	0 1331	
the earthqu		Externa	al power supply		Stopped due to	the earthquake		
7 -	T	Emergency power supply Core and fuel integrity			tarted up when the external power Damaged (core melt*1)	r was lost but stopped later when t Damaged (core melt*1)	sunami hit the plants. No fuels loaded	
	Status		uctural integrity	Damaged (core melt*1) Limited damage and leakage	Unknown	Unknown	No damage	
	Sta		uctural integrity	Damage and leakage suspected	Damage and leakage suspected	Damage and leakage suspected	No damage	
	measures	Core cooling Goal of STEP 1 (April through June)		Not functional Stable cooling (circulating injectio	Not functional notion of cooling reusing accumulated wat	Not functional ter)	Not required —	
ling					Injecting freshwater into the reactor	Injecting freshwater into the reactor	_	Total injection flow: 21.5m3/I
000		Establishment of		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	_	[0/0]
Reactor cooling				Injection continued [4/6-]	[4/9-] Work for injection line in progress	[4/16-] Work for injection line in progress		
				Studying	[4/16-] Studying	[4/16-] Studying		
		Securing heat exchange function		Work for secondary-loop piping	Construction work to be started after	Construction work to be started after	_	
			e everiariBe ramerien	in progress (5/13-) High radiation circumstance is har	improving the work environment npering the work to restore reactor	improving the work environment or cooling. Preparation work such		
	Challeng	Improving work environment		as removing radioactive debris, ra	diation monitoring is underway in e		_	
	State	Fuel integrity in SFP		on how to reduce the humidity in Unknown	Unknown	Unknown	No severe damage suspected*2	
ng		Goal of STEP 1 (April through June)		Not functional	Not functional	Not functional	Not functional	
cooling	, Ω			Stable cooling	Switching from freshwater injection		Spraying freshwater by pump truck	Injecting/Spraying corrosion
0	sure	Reliability improvement in injection operation		Injecting freshwater via SFP coolant clean up line	via SFP coolant clean up line to	Injecting freshwater via SFP coolant clean up line	Starting work for injection via	inhibitor, hydrazine (H2NNH2), wit freshwater [5/9-]
S	measu	Circulatio	n cooling with Hx	Planned	circulation cooling In operation	Planned	SFP coolant cooling line Planned	iresriwater [5/9-]
		Increase and accumulation of			<u> </u>		<u> </u>	
	Status	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])				
5	(Goal of STEP 1 (April through June)		Securing storage place of high level radioactive wastewater -Waterproof check of Centralized Radiation Waste Treatment Facility, PMB (storage capacity: approx. 10,000m3) and MWRTB(storage				
countermeasures taken				capacity: approx. 4,800m3) completed				
5				-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 (-				PMB: Process Main Building MWRTB: Miscellaneous Solic Waste Volume Reduction Treatment Building
				5/31). Additional capacity to be installed at 20,000m3/month from the end of June.				
water	Ū.	Townston of malice ation was a maken		-Unit 2: Concrete tunnel => PMB (4/19-5/26, approx. 9,600m3, Transfer suspended and then resumed after revising the storage limit level of the building [6/4-])				
2 5		Transfer of radioactive waste water		-Unit 3: T/B => MWRTB (5/17-5/25, approx. 3,700m3, Transfer suspended due to possible leakage), T/B => Unit 3 main steam				
Accumulated	Ε			condenser [6/5-] -Work for installing the water processing facility in progress. Water processing to be started on June 15th (capacity:1,200m3/day)				
n l		Installation of water process facility		-Desalination of processed radioactive water to be installed (capacity: 480m3/day in the late June, then increased step by step) to				
Ac		Preventing contamination of the sea,		reuse the water for reactor injectionSilt fences installedWorking on installation of seawater circulatory purification system [5/30-]				
Accum		Trovoncing con	etc.	-Blocking the concrete tunnels outside the T/Bs				
	nge	Preventing overflow of high level radioactive waste water		While the risk of the leaking of the high level radioactive wastewater 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				
3	≝			has been decided to use Unit 2 ar				
,	ha			C 111 / 1 1 1	4.000 0	TOTAL MARKET TO THE STATE OF TH	orago minic or the process main	
			April through June)	facility (total increased capacity: a Storing and processing low level r			or the process main	
	(Goal of STEP 1 (April through June)	Storing and processing low level r 2,200tons of tanks installed. Appr	adio active wastewater	alled by the beginning of June. 12,	•	
	meas	Goal of STEP 1 (Increasing	storage capacity	Storing and processing low level r 2,200tons of tanks installed. Appr be secured by the end of June.	adio active wastewater lox. 16,000tons of tanks to be insta	alled by the beginning of June. 12,	000 tons of receiving capacity to	
	Statu meas	Increasing Radioactive m	storage capacity aterials in the ground water	Storing and processing low level r 2,200tons of tanks installed. Appr be secured by the end of June. Radioactive iodine, I-131, and ces facility, and the well water in the I	adio active wastewater ox. 16,000tons of tanks to be instantion, Cs-134, 137, were detected full full full full full full full ful	alled by the beginning of June. 12,	000 tons of receiving capacity to	
	su Statu meas	Goal of STEP 1 (Increasing Radioactive m Goal of STEP	storage capacity aterials in the ground water 1 (April through June)	Storing and processing low level r 2,200tons of tanks installed. Appribe secured by the end of June. Radioactive iodine, I-131, and cesfacility, and the well water in the Preventing contaminated undergroup.	adio active wastewater ox. 16,000tons of tanks to be insta- ium, Cs-134, 137, were detected frukushima Daiichi site. [4/7-] bund water from spreading to the s	alled by the beginning of June. 12, from the subdrain, underground wat	000 tons of receiving capacity to er collected and controlled in the	
Undergro-	meast State meas	Increasing Radioactive m Goal of STEP Mitigation of gro	storage capacity aterials in the ground water 1 (April through June) undwater contamination	Storing and processing low level r 2,200tons of tanks installed. Appr be secured by the end of June. Radioactive iodine, I-131, and ces facility, and the well water in the Preventing contaminated underground Restoring subdrain pumps [the missing subdrain pumps	adio active wastewater ox. 16,000tons of tanks to be insta ium, Cs-134, 137, were detected frukushima Daiichi site. [4/7-] bund water from spreading to the siddle of June]. Planning subdrain n	alled by the beginning of June. 12, from the subdrain, underground wat sea	000 tons of receiving capacity to er collected and controlled in the need storing and processing plan.	Survey map on the site:
in Undergro-	meast State meas	Increasing Radioactive m Goal of STEP Mitigation of gro Scattering of ra	storage capacity aterials in the ground water 1 (April through June) undwater contamination	Storing and processing low level r 2,200tons of tanks installed. Appr be secured by the end of June. Radioactive iodine, I-131, and ces facility, and the well water in the Preventing contaminated underground Restoring subdrain pumps [the missing subdrain pumps	adio active wastewater ox. 16,000tons of tanks to be insta ium, Cs-134, 137, were detected frukushima Daiichi site. [4/7-] bund water from spreading to the siddle of June]. Planning subdrain n	alled by the beginning of June. 12, from the subdrain, underground wat	000 tons of receiving capacity to er collected and controlled in the need storing and processing plan.	
naterials in Undergroerer / soil und water	Status measu Statu meas	Goal of STEP 1 (Increasing Radioactive m Goal of STEP Mitigation of gro Scattering of ra the outsid	aterials in the ground water 1 (April through June) undwater contamination adioactive materials to le of the facilities B integrity	Storing and processing low level r 2,200 tons of tanks installed. Appr be secured by the end of June. Radioactive iodine, I-131, and ces facility, and the well water in the I Preventing contaminated underground Restoring subdrain pumps [the mi Radioactive materials and radioactive results.	adio active wastewater ox. 16,000tons of tanks to be instantation. The stanta of tanks to be instantation. The stantation of tanks to be inst	alled by the beginning of June. 12, from the subdrain, underground watersea management according to the enhanced due to the hydrogen explosion a Severely damaged	000 tons of receiving capacity to er collected and controlled in the need storing and processing plan.	http://www.tepco.co.jp/en/nu/fukush
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*1 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]

[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

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)