Information on Status of Nuclear Power Plants in Fukushima



Japan Atomic Industrial Forum, Inc.

Policy on information and compilation

This JAIF-compiled information chart represents the situation, phenomena, and operations in which JAIF estimates and guesses the reactors and related facilities are, based on the latest data and information directly and indirectly made available by the relevant organizations when JAIF's updating works done. Consequently, JAIF may make necessary changes to descriptions in the chart, once (1) new developments have occurred in the status of reactors and facilities and (2) JAIF has judged so needed after reexamining the prior information and judgments.

JAIF will do its best to keep tracks on the information on the nuclear power plants quickly and accurately.

Status of nuclear power plants in Fukushima as of 12:00, May 3rd (Estimated by JAIF)

D Ctt'	Status of	·	Eulgushima Dai-iahi Nualaan Dawan Stat			
Power Station Unit	Fukushima Dai-ichi Nuclear Power Station 1 2 3 4 5 6					6
Electric / Thermal Power output (MW)	460 / 1380	784 / 2381	784 / 2381	784 / 2381	784 / 2381	1100 /3293
Type of Reactor	BWR-3	BWR-4	BWR-4	BWR-4	BWR-4	BWR-5
Operation Status at the earthquake occurred	In Service -> Shutdown	In Service -> Shutdown	In Service -> Shutdown			
				Outage	Outage	Outage
Fuel assemblies loaded in Core	400	548	548	No fuel rods	548	764
Core and Fuel Integrity (Loaded fuel assemblies)		Damaged (35%*1)	Damaged (30%*1)	No fuel rods		amaged
Reactor Pressure Vessel structural integrity	Unknown	Unknown	Unknown	Not Damaged		amaged
Containment Vessel structural integrity	Not Damaged (estimation)	Damage and Leakage Suspected	Not damaged (estimation)	Not Damaged	Not D	amaged
Core cooling requiring AC power 1 (Large volumetric freshwater injection)	Not Functional	Not Functional Not Functional Not Functional Not necessary				ctional
Core cooling requiring AC power 2 (Cooling through Heat Exchangers)	Not Functional	Not Functional	Not Functional	Not necessary		tioning shutdown)
Building Integrity	Severely Damaged (Hydrogen Explosion)	Slightly Damaged	Severely Damaged (Hydrogen Explosion)	Severely Damaged (Hydrogen Explosion)		on the rooftop for ogen explosion
Water Level of the Rector Pressure Vessel	Fuel exposed partially or fully	Fuel exposed partially or fully	Fuel exposed partially or fully	Safe	S	afe
Pressure / Temperature of the Reactor Pressure	Gradually increasing / Decreased a little					
Vessel	after increasing over 400°C on Mar. 24th	Unknown / Stable	Unknown	Safe	S	afe
Containment Vessel Pressure	Decreased a little after increasing up to 0.4Mpa on Mar. 24th	Stable	Stable	Safe	S	afe
Water injection to core (Accident Management)	Continuing (Switch from seawater to freshwater)	Continuing (Switch from seawater to freshwater)	Continuing (Switch from seawater to freshwater)	Not necessary	Not ne	ecessary
Water injection to Containment Vessel (AM)	Feed water to fill up the CV (started 4/27)	Feed water to fill up the CV (planned)	Feed water to fill up the CV (planned)	Not necessary	Not ne	cessary
Containment Venting (AM)	Temporally stopped	Temporally stopped	Temporally stopped	Not necessary	Not ne	cessary
Fuel assemblies stored in Spent Fuel Pool	292	587	514	1331	946	876
Fuel Integrity in the spent fuel pool	Unknown	Unknown	Damage Suspected	some of the spent fuel may have been damaged*3	Not D	amaged
Cooling of the spent fuel pool	water injection continues (Switch from Water spray and injection continues (Switch from Water spray and injection continues (Switch from				Pool cooling capal	nility was recovered
		seawater to freshwater)	seawater to treshwater)	exploded (3/15)		sincy was received a
Main Control Room Habitability & Operability	_		d in the control room at Unit 1 and 3 on Mar. 24th,			ed (estimate)
	● Status in Fukushima Dai-ichi NPS site Radiation level: 420 µ Sv/h at the south side of Small amounts of Radioactive nuclides(I, Cs, Pt Radioactive materials continues to be detected ● Influence to the people's life Radioactive material was detected from milk, at Radioactive iodine, exceeding the provisional le Radioactive cesium was detected in the sludge Small amount of strontium was detected in son <1> Shall be evacuated for within 3km from NP	Ighting and parmaeter monitoring restore for the office building, 46 μ Sv/h at the Main 8 μ , Am and Cm) has been detected in soil sail in samples corrected from underground with gricultural products and seafood from Fukus gal limit for drinking water, was detected from a sewage treatment plant 50 km far fine samples of soil and plants corrected in the S, Shall stay indoors for within 10km from N	gate, 18 µ Sv/h at the West gate, as of 21:00, May 2nd mpled at the Fukushima site.(4/27) water and sea water at or near the site. Environmental shima and neighboring prefectures. The government is own tap water sampled in some prefectures. rom the power station. he area that is 20–80 km far from the power station. NPS (issued at 21:23, Mar. 11th) <2> Shall be evacual.	at Unit 2 on Mar. 26th, at Unit 4 on Mar. 29th) L. monitoring has been enhanced. sued order to limit shipment and intake of some products. Ited for within 10km from NPS (issued at 05:44, Mar. 12th)	Not damag	ed (estimate)
Environmental effect	● Status in Fukushima Dai—ichi NPS site Radiation level: 420 µ Sv/h at the south side of Small amounts of Radioactive nuclides(I, Cs, Pt Radioactive materials continues to be detected. ● Influence to the people's life Radioactive material was detected from milk, a Radioactive iodine, exceeding the provisional le Radioactive cesium was detected in the sludge Small amount of strontium was detected in son <1> Shall be evacuated for within 3km from NP <3> Shall be evacuated for within 20km from Naround the Fukushima Daiichi NPS is to be exp	The office building, 46 μ Sv/h at the Main ga, Am and Cm) has been detected in soil sail in samples corrected from underground with gricultural products and seafood from Fukus gal limit for drinking water, was detected from a sewage treatment plant 50 km far fine samples of soil and plants corrected in the S, Shall stay indoors for within 10km from PS (issued at 18:25, Mar. 12th) <4> Shall sanded so as to include the area, where anni-	gate, 18 µ Sv/h at the West gate, as of 21:00, May 2nd mpled at the Fukushima site.(4/27) rater and sea water at or near the site. Environmental shima and neighboring prefectures. The government is om tap water sampled in some prefectures. rom the power station. he area that is 20–80 km far from the power station. NPS (issued at 21:23, Mar. 11th) <2> Shall be evacual tay indoors (issued at 11:00, Mar. 15th), Should considual radiation exposure is expected to be above 20mSv	at Unit 2 on Mar. 26th, at Unit 4 on Mar. 29th) d. monitoring has been enhanced. sued order to limit shipment and intake of some products.	Not damage	ed (estimate)
Main Control Room Habitability & Operability Environmental effect Evacuation INES (estimated by NISA)	● Status in Fukushima Dai—ichi NPS site Radiation level: 420 µ Sv/h at the south side of Small amounts of Radioactive nuclides(I, Cs, PuRadioactive materials continues to be detected. ● Influence to the people's life Radioactive material was detected from milk, at Radioactive iodine, exceeding the provisional le Radioactive cesium was detected in the sludge Small amount of strontium was detected in son <1> Shall be evacuated for within 3km from NP <3> Shall be evacuated for within 20km from Naround the Fukushima Daiichi NPS is to be exp 30km and other than the expanded evacuation Level 7*2 ※Cumulative amount of radioact	Lighting and parmaeter monitoring restore for the office building, 46 µ Sv/h at the Main ga, Am and Cm) has been detected in soil sail in samples corrected from underground with gricultural products and seafood from Fukus gal limit for drinking water, was detected from a sewage treatment plant 50 km far fine samples of soil and plants corrected in the S, Shall stay indoors for within 10km from PS (issued at 18:25, Mar. 12th) <4> Shall sanded so as to include the area, where annuarea mentioned above, are asked to get previvity from Fukushima Diichi NPS has reactions.	gate, 18 µ Sv/h at the West gate, as of 21:00, May 2nd impled at the Fukushima site.(4/27) rater and sea water at or near the site. Environmental shima and neighboring prefectures. The government is om tap water sampled in some prefectures. rom the power station. The area that is 20–80 km far from the power station. NPS (issued at 21:23, Mar. 11th) <2> Shall be evacually stay indoors (issued at 11:00, Mar. 15th), Should considual radiation exposure is expected to be above 20mS of spared for staying indoors or evacuation in an emergen	at Unit 2 on Mar. 26th, at Unit 4 on Mar. 29th) d. monitoring has been enhanced. sued order to limit shipment and intake of some products. sted for within 10km from NPS (issued at 05:44, Mar. 12th) der leaving (issued at 11:30, Mar. 25th) for from 20km to 30km. People in the expanded zone are ordered to evacuate with	Not damage	ed (estimate)
Environmental effect Evacuation	● Status in Fukushima Dai—ichi NPS site Radiation level: 420 µ Sv/h at the south side of Small amounts of Radioactive nuclides(I, Cs, Pt Radioactive materials continues to be detected. ● Influence to the people's life Radioactive material was detected from milk, at Radioactive iodine, exceeding the provisional le Radioactive cesium was detected in the sludge Small amount of strontium was detected in son (1) Shall be evacuated for within 3km from NP (3) Shall be evacuated for within 20km from Naround the Fukushima Daiichi NPS is to be exp 30km and other than the expanded evacuation Level 7*2 ※Cumulative amount of radioact Total amount of radioactive materials released to ● Progress of the work to restore cooling funch High radiation circumstance hampering the work with unit 2 on April 19 and counties. Emergency power generators were moved to his each other, which are for Unit 1/2, for Unit 3/TEPCO announced its plan to bring the damage of the damage of the containing radioactive material it is presumed that radioactive material inside to Nitrogen gas injection into the Unit 1 containment of Cooling the spent fuel pool (SFP) Injecting and/or spraying water to the SFP contains of the reactor building supporting the of Prevention of the proliferation of radioactive expressions.	Lighting and parmaeter monitoring restore in the office building, 46 µ Sv/h at the Main gar, Am and Cm) has been detected in soil sail in samples corrected from underground with gricultural products and seafood from Fukus gal limit for drinking water, was detected from a sewage treatment plant 50 km far fine samples of soil and plants corrected in the samples of soil and plants corrected in the S, Shall stay indoors for within 10km from PS (issued at 18:25, Mar. 12th) <4> Shall sanded so as to include the area, where annuarea mentioned above, are asked to get previously from Fukushima Diichi NPS has reach the environment in this accident is one tenth tion that the propose cooling function at unit generators to a stable condition known as a ged to be repaired before the work to restor the reactor vessel may leaked outside. NISA and vessel to prevent hydrogen explosion staticular for the purpose cooling and make up a pool were severely damaged by an explosion of the purpose cooling and make up a pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling and make up to pool were severely damaged by an explosion of the purpose cooling	gate, 18 µ Sv/h at the West gate, as of 21:00, May 2nd impled at the Fukushima site.(4/27) rater and sea water at or near the site. Environmental shima and neighboring prefectures. The government is form tap water sampled in some prefectures. The power station. The area that is 20–80 km far from the power station. NPS (issued at 21:23, Mar. 11th) <2> Shall be evacually indoors (issued at 11:00, Mar. 15th), Should considual radiation exposure is expected to be above 20mS apared for staying indoors or evacuation in an emergen hed the level to be classified as level 7. The transport of the continue of the continue of the level of the level of the level of the classified as level 7. The transport of the continue of the continue of the level of the level of the level of the level of the classified as level 7. The transport of the continue of the level of the classified as level 7. The transport of the continue of the level of t	ted for within 10km from NPS (issued at 05:44, Mar. 12th) der leaving (issued at 11:30, Mar. 25th) for from 20km to 30km. People in the expanded zone are ordered to evacuate with ney (announced on Apr. 11th and issued on Apr. 22nd). Level 3 *2 In the basement of the buildings and concrete tunnels outside in hits the plant again. External power source becomes more tion in which water temperatures inside the reactors have be and 3 may have lost air tightness.	n from NPS <5>The sin a month or so. Pece the buildings of all U reliable after connect	20km evacuati ople living in th nit 1, 2, 3, star

[Source]

Government Nuclear Emergency Response Headquarters: News Release (-5/1 17:00), Press conference NISA: News Release (-5/2 12:00), Press conference [Abbreviations]
MEXT: Ministry of Education, Culture, Sports, Science and Technology

INES: International Nuclear Event Scale NISA: Nuclear and Industrial Safety Agency TEPCO: Tokyo Electric Power Company, Inc. NSC: Nuclear Safety Commission of Japan

- *1 TEPCO's estimation revised on April 27
- *2 Correction: Rating was raised from 5 to 7 for the accident of Unit 1 through 3
- *3 It is presumed that some of the spent fuel may have been damaged based on radioactive substance detected from the water sample taken from the pool of Unit 4.

[Significance judged by JAIF]

Low High

Severe (Need immediate action)

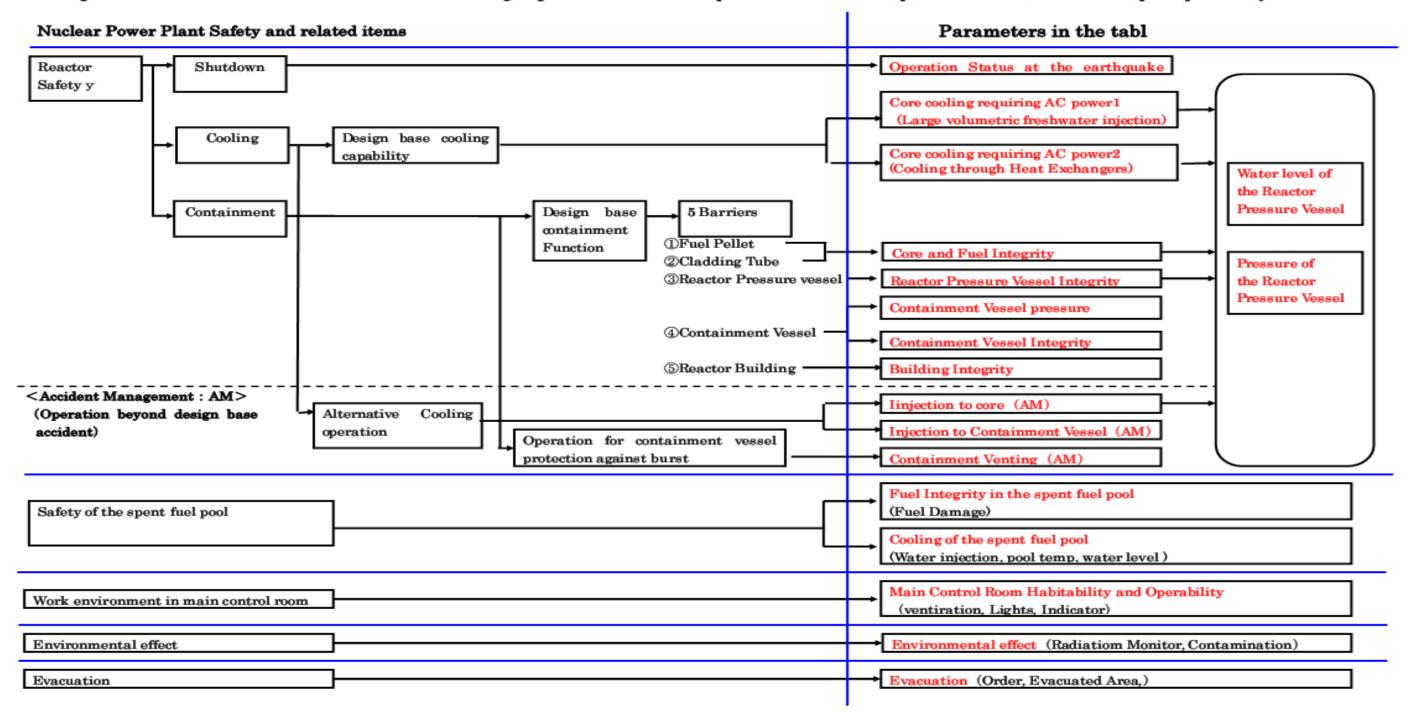
Power Station	Fukushima Dai-ni Nuclear Power Station					
Unit	1	2	3	4		
Electric / Thermal Power output (MW)	1100 / 3293					
Type of Reactor	BWR-5	BWR-5	BWR-5	BWR-5		
Operation Status at the earthquake occurred		In Ser	vice -> Automatic Shutdown			
Status	All the units are in cold shutdown.					
INES (estimated by NISA)	Level 3	Level 3	_	Level 3		
Remarks	Unit-1, 2, 3 & 4, which were in full operation when the earthquake occurred, all shutdown automatically. External power supply was available after the quake. While injecting water into the reactor pressure vessel using make-up water system, TEPCO recovered the core cooling function and made the unit into cold shutdown state one by one. No parameter has shown abnormality after the earthquake occurred off an shore of Miyagi prefecture at 23:32, Apr. 7th. Latest Monitor Indication: 2.1 µ Sv/h at 21:00, May 2nd at NPS border Evacuation Area: 3km from NPS(3/12 7:45), 10km from NPS(3/12 17:39), 8km from NPS(4/21)					

Power Station	Onagawa Nuclear Power Station			
Unit	1	2	3	
Operation Status at the earthquake occurred	In Service → Automatic Shutdown			
Status	All the units are in cold shutdown.			
	3 out of 4 external power lines in service with another line under construction broke down after an earthquake occurred off the shore of Miyagi prefecture at 23:32, Apr. 7th. All 5 external power lines have become available by Apr. 10th. Monitoring posts' readings have shown no abnormality. All SFP cooling systems had been restored after shutting down due to the earthquake.			

Power Station	Tokai Dai-ni		
Operation Status at the earthquake occurred	In Service → Automatic Shutdown		
Status	In cold shutdown.		
Remarks	No abnormality has been found after an earthquake occurred off the shore of Miyagi prefecture at 23:32, Apr. 7th.		

Parameters in the Table

JAIF picks up these parameters to evaluate safety condition of the nuclear plants during this accident from the view point of the principles of nuclear power plant safety, which are "Shutdown", "Cooling" and "Containment". Then we create the chart. The following diagram is to show the correspondence relation of these parameters in the table to nuclear power plant safety.



Accidents of Fukushima Daiichi Nuclear Power Stations

as of 12:00, May 3rd

1. Latest Major event and response

Apr. 23rd

12:30-16:44 Some 140 tons of water was sprayed into the SFP using a concrete pump vehicle at Unit 4. The water temperature of the SFP decreased from 83 °C before spraying to 66°C after spraying. Aor. 24th

09:00-16:00 Removing of debris was conducted using remote-control heavy equipment.

12:25-17:07 Some 165 tons of water was sprayed into the SFP using a concrete pump vehicle at Unit 4.

Apr. 25th

09:00-16:00 Removing of debris was conducted using remote-control heavy equipment.

18:15-24:26 Some 210 tons of water was sprayed into the SFP using a concrete pump vehicle at Unit 4.

Apr. 26th

12:25-14:03 Some 47.5 ton of freshwater wa injected in the SFP at unit 3.

16:50-20:35 Some 130 tons of water was sprayed into the SFP using a concrete pump vehicle at Unit 4.

Apr. 27th

12:18- Water spraying into the SFP using a concrete pump vehicle was started at Unit 4.

2. Chronology of Nuclear Power Stations

(1)	Fukus	shima	Dai-id	chi l	NPS

(1) Fukushima Dai-ichi NPS				T	1
	Unit 1	Unit 2	Unit 3	Unit 4	Unit-5 and 6
Major Incidents and Actions	11th 15:42 Report IAW Article 10* (Loss of power)	11th 15:42 Report IAW Article 10* (Loss of power)	11th 15:42 Report IAW Article 10* (Loss of power)	14th 04:08 Water temperature in Spent Fuel Storage Pool increased at 84°C	19th 05:00 Cooling SFP with RHR-pump started at Unit 5
The Act on Special	11th 16:36 Event falling under Article 15 occurred (Incapability of water injection by core cooling function)	11th 16:36 Event falling under Article 15* occurred (Incapability of water injection by core cooling function)	12th 20:41 Start venting	15th 09:38 Fire occurred on 3rd floor (extinguished spontaneously)	19th 22:14 Cooling SFP with RHR-pump started at Unit 6
Measures Concerning Nuclear Emergency	12th 00:49 Event falling under Article 15* occurred (Abnormal rise of CV pressure)	13th 11:00 Start venting	13th 05:10 Event falling under Article 15* occurred (Loss of reactor cooling functions)	16th 05:45 Fire occurred (extinguished spontaneously)	20th 14:30 Cold shutdown achieved at Unit 5. 20th 19:27 Cold shutdown achieved at Unit 6.
Preparedness	12th 14:30 Start venting	14th 13:25 Event falling under Article 15* occurred (Loss of reactor cooling functions)	13th 08:41 Start venting	Since 20th, operation of spraying water to the spent fuel pool continues.	22nd 19:41 All power source was switched to
	12th 15:36 Hydrogen explosion	14th 16:34 Seawater injection to RPV	13th 13:12 Seawater injection to RPV	29th 11:50 lights in the main control room becomes	external AC power at Unit 5 and 6.
	12th 20:20 Seawater injection to RPV	14th 22:50 Report IAW Article 15* (Abnormal rise of CV pressure)	14th 05:20 Start venting	available	Apr. 1st 13:40 Start transferring pooled water in
	22nd 11:20 RPV temperature increased	15th 00:02 Start venting	14th 07:44 Event falling under Article 15* occurred (Abnormal rise of CV pressure)		the Unit 6 radioactive waste process facility to the Unit 5 condenser.
	started in addition to fire extinguish line	15th 06:10 Sound of explosion, Suppression Pool damage suspected	14th 11:01 Hydrogen explosion		
	24th 11:30 lights in the main control room becomes available	15th 08:25 White smoke reeked	15th 10:22 Radiation dose 400mSv/h		
	25th 15:37 Freshwater injection to the reactor started.	20th 15:05 operation of spraying water to the spent fuel pool started.	16th 08:34, 10:00 White smoke reeked		
	27th 08:30 Continuing to transfer the water in the basement of the turbine building	26th 10:10 Freshwater injection to the reactor started.	Since 17th, operation of spraying water to the spent fuel pool continues.		
	31st 09:20-11:25 Work to remove the water in the trench	26th 16:46 lights in the main control room becomes available	21st 15:55 Slightly gray smoke erupted (18:02 settled)		
	31st 12:00 Start to transfer the water in the CST to the surge tank (- 15:27, Apr. 2)	29th 16:45 Start to transfer the water in the CST to the surge tank	22nd 22:46 lights in the main control room becomes available		
	31st 13:03 Start water injection to SFP	Apr. 2nd 16:25 Start injecting concrete to stop water leakage from the pit near the intake	25th 18:02 Freshwater injection to the reactor started.		
	Apr. 7th 01:31 Injection of Nitrogen gas started after opening all valves through the line.	2nd 17:10 Start transferring water in the conden4er to the CST	28th 17:40 Start to transfer the water in the CST to the surge tank		
		Apr. 5th 15:07 Regarding leakage from the pit that is closed to discharge outlet of unit-2, hardening agent was injected to hole dug surrounding the pit. (Apr. 6 05:38 It was confirmed that water flow stopped	Apr. 13 13:50 Installation of silt fences in front of the Unit 3 and	d 4 seawater screen completed	
	Apr 17 16:00 Start investigation of the inside of R/B using a remote-controlled robot.	Apr. 9th 13:10 Transfer of water from the main condenser to the CST completed.	Apr 17 11:30 Start investigation of the inside of R/B using a remote-controlled robot.		
	using a remote-controlled robot.	Apr. 13th 17:04 Transfer of highly radioactively contaminated wafter accumulated in the trench outside the turbine building to the condenser completed	Terriote-controlled Tobot.		
		Apr. 15th 14:15 Installation of steel plate in front of Unit 2 seawater screen completed			
		Apr 18 13:42 Start investigation of the inside of R/B using a remote- controlled robot.			
		Apr. 19 10:08 Start transferring highly radioactive water accumulated in the turbine building and the concrete tunnel to the waste processing facility			
	Apr. 3rd 12:18 Switch power supply for water injection p Apr. 14 12:20 Installation of silt fences in front of the Un	umps to the RPV from power supply vehicles to originally equipped power sit 1and 2 seawater screen and intake completed			
	Reactor Water level (May 3 05:00)	Reactor Water level (May 3 05:00)	Reactor Water level (May 3 05:00)		
Major Data *1	(A) <u>-1700</u> mm, (B) <u>-1700</u> mm	(A) <u>-1500</u> mm, (B) <u>-2100</u> mm	(A) <u>-1850</u> mm, (B) <u>-2250</u> mm	SFP water temperature measured with a concrete pump vehicle Apr. 12 : about 90 °C	Water temperature of SFP Unit 5 39.9°C (May 3 06:00)
	Reactor pressure (May <u>3 05:00</u>) (A) <u>0.453</u> MPaG, (B) <u>1.253</u> MPaG*2	Reactor pressure (May <u>3 05:00</u>) (A) <u>-0.020</u> MPaG*2, (B) <u>-0.018</u> MPaG*2	Reactor pressure (May <u>3 05:00</u>) (A) <u>-0.068</u> MPaG*2, (B) <u>-0.089</u> MPaG*2		Unit 6 30.0°C (May 3 06:00)
	CV pressure (May 3 05:00) 0.130MPaabs	CV pressure (May <u>3 05:00</u>) <u>0.070</u> MPaabs	CV pressure (May <u>3 05:00</u>) <u>0.1038</u> MPaabs	22 before spray: about 91°C	
	RPV temperature (May 3 05:00) 142.1°C*2 at feed water line nozzle	RPV temperature (May 3 <u>05:00</u>) 117.3°C at feed water line nozzle Water temperature in SFP (May <u>3 05:00</u>) <u>71.0</u> °C	RPV temperature (May <u>3 05:00)</u> 111.6°C*2 at feed water line nozzle	23 before spray: about 83°C 23 after spray: about 66°C 24 before spray: about 86°C	
	Thermography (Apr. 26 07:30) CV: 25°C, SFP: 23°C	Thermography (Apr. 26 07:30) Top of R/B: 24°C	Thermography (Apr. 26 07:30) CV: 26°C, SFP: 56°C	24 after spray: about 81°C	

(2) Fukushima Dai-ni NPPs

Àll units are cold shutdown (Unit-1, 2, 4 have been recovered from a event falling under Article 15*)

3. State of Emergency Declaration

11th 19:03 State of nuclear emergency was declared (Fukushima Dai-ni NPS)

12th 07:45 State of nuclear emergency was declared (Fukushima Dai-ichi NPS)

4. Evacuation Order

11th 21:23 PM direction: for the residents within 3km radius from Fukushima I to evacuate, within 10km radius from Fukushima I to stay in-house

12th 05:44 PM direction: for the residents within 10km radius from Fukushima I to evacuate

12th 17:39 PM direction: for the residents within 10km radius from Fukushima II to evacuate

12th 18:25 PM direction: for the residents within 20km radius from Fukushima I to evacuate

15th 11:06 PM direction: for the residents within 20-30km radius from Fukushima I to stay in-house

25th Governmental advise: for the residents within 20-30 km radius from Fukushima I to voluntarily evacuate

Abbreviations:

SFP: Spent Fuel Storage Pool

EDG: Emergency Diesel Generator

RPV: Reactor Pressure Vessel

R/B: Reactor Building

RHR: Residual Heat Removal system

CST: Condensate water Storage Tank

T/B: Turbine Building

*1 Trend data of primary parameters are available at Japan Nuclear Technology Institute's Home Page:

"http://www.gengikyo.jp/english/shokai/special_4.html".

*2 Data trend is continuously monitored.



