<u>Time series table of restoration process of the offsite power by</u> emergency measures

This table is organized based on records and hearing investigation to persons involved.

Date	Time	Measures
March 11	14:46	Tohoku-Chihou-Taiheiyou-Oki Earthquake and Tsunami
		occurred
		Fukushima Daiichi Nuclear Power Station: Okuma
		Transmission Line 1L tripped.
		Shin Fukushima Substation: Okuma Transmission Line 2,3
		and 4L tripped. Yonomori Transmission Line 1 and 2L
		tripped.
	Approx.	Shin Fukushima Substation: Patrol inspection started.
	15:00	Damages were confirmed.
	Approx.	Fukushima Daiichi Nuclear Power Station (1F): All of the
	15:41	emergency diesel generators except 6B stopped.
	Approx.	Transmission Facilities (Okuma Line, Yonomori Line):
	16:05	Patrol inspection started.
		No damages were confirmed. (Patrol inspection in 1F was
		not conducted.)
	Approx.	Transmission Facilities (Yonomori Line) in 1F: Patrol
	20:05	inspection started.
		Nothing abnormal detected on Transmission Tower 26 and
		28. While it was hard to approach Transmission Tower
		27 due to landslides, it was estimated from the surrounding
		situation that the tower collapsed.
March 12	0:00	Shin Fukushima Substation: Tentative restoration work of
		the tilted steel structure of Okuma Transmission Line
		3 and 4L started.
		[Work] Point to be fixed: Indicated in Appendix 9
	3:35	Shin Fukushima Substation: Tentative restoration work of
		the tilted steel structure of Okuma Transmission Line 3
		and 4L completed.
		[Work]

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	8:35	Shin Fukushima Substation: Tying overhead ground wire of
		Okuma Transmission Line 3L to the steel structure
		completed.
		[Work]
	Approx.	Wait(due to the ventilation work and the explosion of Unit1
	10:00~	of 1F)
March 13	Approx.	Wait (due to the ventilation work of Unit 2 and 3 of 1F)
	8:00~	
	16:35	Shin Fukushima Substation: Removal of the overhead
		ground wire of Okuma Transmission Line 3L completed.
		[Work]
	21:40	Shin Fukushima Substation: Disconnection of cable head
		jumper of Yonomori Transmission Line 1L started.
		[Work]
	22:58	Shin Fukushima Substation: Disconnection of cable head
		jumper of Yonomori Transmission Line 1L completed.
		[Work]

Date	Time	Measures
March 14	2:25	Shin Fukushima Substation: Trial electrification of the
		cables of Yonomori Transmission Line 1L indicated
		" good " .
		《Attachment 1》
	Approx.	Wait (due to the explosion of Unit 1 of 1F)
	11:00~	
	16:06	With confirmation of the situation after the explosion,
		re-connection work of the cable head jumper of Yonomori
		Transmission Line 1L in Shin Fukushima Substation
		started. [Work]
	17:50	Transmission Tower 12 of Okuma Transmission Line 3 and
		4L: Disconnection of the jumper of Yonomori Transmission
		Line 1L started. [Work]
	18:13	Re-connection of the cable head jumper of Yonomori
		Transmission Line 1L in Shin Fukushima Substation
		completed. [Work]
	19:39	Transmission Tower 12 of Okuma Transmission Line 3 and
		4L: Disconnection of the jumper of Yonomori Transmission
		Line 1L completed. [Work]
March 15	Approx. 9 : 4 5	TEPCO Nuclear Power Line (of Tohoku Electric Power
		Company): Trial electrification of LS31 indicated "good".
	14:40	Transmission Tower 7 and 8 of Okuma Transmission Line
		3 and 4L: Connection of Okuma Transmission Line 3L and
		Yonomori Transmission Line 1L started. [Work]
	23:10	Transmission Tower 7 and 8 of Okuma Transmission Line
		3 and 4L: Connection of Okuma Transmission Line 3L and
		Yonomori Transmission Line 1L completed. [Work]
March 16	9:10	Transmission Tower 3 of Okuma Transmission Line 3 and
		4L: Disconnection of the jumper of 3L started.
		[Work]

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9:10	Shin Fukushima Substation: Removal of the cable between
	Okuma Transmission Line 3 and 4L in Shin Fukushima
	Substation and Transmission Tower 1 started. [Work]
10:55	Wait (due to increase in radiation dose in Shin Fukushima
	Substation)
17:15	Transmission Tower 3 of Okuma Transmission Line 3 and
	4L: Disconnection of the jumper of 3L completed.
	[Work]
18:00	Shin Fukushima Substation: Installation of movable
	transformers (for station power of Unit 3 and 4 of 1F)
	started. [Work]
22:10	Shin Fukushima Substation: Removal of the cable between
	Okuma Transmission Line 3 and 4L in Shin Fukushima
	Substation and Transmission Tower 1 completed.
	[Work]

Date	Time	Measures
March 17	5:00	Shin Fukushima Substation: Installation of movable
		transformers completed. [Work]
	Past 9:30	Wait (due to water engage by CDE halicenters)
	~past 20:00	Wait (due to water spray by SDF helicopters)
	20:45	After the water spray, workers departed from J Village and
		installation of movable MC in 1F started. [Work]
March 18	8:30	Okuma Transmission Line 3L: Workers departed from J
		Village and re-arrangement of leading wires at the steel
		structure of 1F started. [Work]
	9:15	Transmission Tower 27 of Yonomori Transmission Line:
		Workers departed from J Village and tentative restoration
		work of 2L started. [Work]
	12:53	Okuma Transmission Line 3L: Re-arrangement of leading
		wires at the steel structure of 1F completed. [Work]
	13:20	Installation of movable MC in 1F completed. [Work]
	14:28	Trial electrification between Yonomori Transmission
		Line1L and movable MC of Okuma Transmission Line 3L
		indicated "good".
		《Attachment 2》
	18:48	Transmission Tower 27 of Yonomori Transmission Line:
		Tentative 2L restoration work of the day finished.
		[Work]
March 19	8:13	Transmission Tower 27 of Yonomori Transmission Line:
		Tentative 2L restoration work resumed. [Work]
	17:05	Transmission Tower 27 of Yonomori Transmission Line:
		Tentative 2L restoration work of the day finished.
		[Work]
March 20	8:30	Transmission Tower 27 of Yonomori Transmission Line:
		Tentative 2L restoration work resumed. [Work]
	13:40	Transmission Tower 27 of Yonomori Transmission Line:
		Tentative 2L restoration work completed. [Work]

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17:22	Trial electrification between Yonomori Transmission
	Line2L and LS51 of 1L indicated "good".
	《Attachment 3》

Attachments

Attachment 1: Record of trial electrification (March 14)
Attachment 2: Record of trial electrification (March 18)
Attachment 3: Record of trial electrification (March 20)

End