Comparison table for amendment to the safety regulations on nuclear reactor facilities of Fukushima Daini Nuclear Power Station (1/3)

	ons on nuclear reactor racilities of Fukushima Daini Nuclear Power Station	<u> </u>
Before amendment	After amendment	Note
(N.A.)	(Improvement of system under Station Blackout) Article 17-2 The organization shall draw up plan for each of the following in order to improve system for maintaining reactor facilities under circumstances where tsunami cause loss of function to all the facilities supplying AC power, all the reactor cooling facilities utilizing seawater and all the facilities for the cooling spent fuel pool (hereafter called "Power sources loss"). (1) Allocate staff in order to maintain reactor facilities under the Power sources loss. (2) Conduct training for the staff to maintain reactor facilities under the Power sources loss. (3) Install portable power sources, portable pumps, hoses and other equipments necessary for operation to maintain reactor facilities under the Power sources loss. 2. The organization shall conduct activities to maintain reactor facilities under the Power sources loss based on the plans mentioned above. 3. The organization shall conduct periodic evaluation on the matters mentioned in the Clause 1 and 2, and take necessary measures based on the evaluation.	Amendment in connection with the amendment to Rules on the Installation and Operation of Commercial Power Reactors (amended on March 30, 2011)

Comparison table for amendment to the safety regulations on nuclear reactor facilities of Fukushima Daini Nuclear Power Station (2/3)							
Before amendment		After amendment			Note		
 (Emergency Diesel Generator – part 2) Article 61: 1. When the status of the nuclear reactor is cold shutdown or during fuel replacement, the Emergency Diesel Generator shall satisfy Operating Restrictions set forth in chart 61-1. 2. In order to confirm that the Emergency Diesel Generator satisfies the Operating Restrictions set forth in the foregoing, the following shall be executed: (1) The chief shift operator shall confirm that the Emergency Diesel Generator connected to the emergency AC high voltage bus required in accordance with Article 66 satisfies matters set forth in chart 61-2. 3. In the event that the chief shift operator decides that the Emergency Diesel Generator does not satisfy the Operating Restrictions set forth in item 1 above, the chief shift operator shall execute measures set forth in chart 61-3. Chart 61-1 		Emergency Diesel Generator **1 shall satisfy Operating Restrictions set forth in chart 61-1. 2. In order to confirm that the Emergency Diesel Generator satisfies the Operating Restrictions set forth in the foregoing, the following shall be executed: (1) The chief shift operator shall confirm that the Emergency Diesel Generator connected to the emergency AC high voltage bus required in accordance with Article 66 satisfies matters set forth in chart 61-2. 3. In the event that the chief shift operator decides that the Emergency Diesel Generator does			To reflect the order from NISA "Regarding interpretation of safety regulations on emergency generating facilities (Order)," dated		
Item Operating Restriction		Chart 61-1			on April 9, 2011		
AC power The Emergency Diesel Generator connect emergency AC high voltage bus required in with Article 66 is capable of operation		Item AC power	Operating Restriction Two emergency generation facilities 2 including Emergency Diesel Generator connected emergency AC high voltage bus required in accordance.	to the	. ,		
(snip)			with Article 66 are capable of operation				
Chart 61-3		*2: Emergency generation facilities mean the Emergency Diesel Generator and emergency generators that has sufficient capacity to supply necessary electricity. The emergency					
Conditions Required action	Timeframe		sufficient capacity to supply necessary electricity. nared between several Units.	rne emergency			
A1. To commence the restoration work of the Emergency Diesel Generator back to the operable condition A. In the event and	ASAP	(snip) Chart 61-3	iaroa servicion servicia enino.		To reflect the		
that the A2. To cancel pattern coordination	ASAP	Conditions	Required action	Timeframe	order from NISA		
Emergency Diesel Generator cannot be Emergency A3. To cancel irradiated fuel related works in the reactor building and	ASAP		A. To commence measures to satisfy the Operating Requirements and A2. To cancel pattern coordination	ASAP	"Regarding interpretation of safety		
A4. To prohibit opening isolation valves on piping comprising the reactor coolant pressure boundary connected to the reactor pressure vessel below the top of active fuel	ASAP	A. In the event that the Operating Restrictions are not satisfied	and A3. To cancel irradiated fuel related works in the	ASAP	regulations on emergency generating		
			A4. To prohibit opening isolation valves on piping comprising the reactor coolant pressure boundary connected to the reactor pressure vessel below the top of active fuel	ASAP	facilities (Order)," dated on April 9, 2011		

Comparison table for amendment to the safety regulations on nuclear reactor facilities of Fukushima Daini Nuclear Power Station (3/3)

Companson table for amendment to the safety regulations on nuclear reactor facilities of Fukushima Daini Nuclear Power Station (5/5)						
Before amendment	After amendment	Note				
Supplementary Provision	Supplementary Provision					
Supplementary Provision (June 14 th , 2010 – Ver. 2 to the original dated May 26, 2010) (Implementation date) Article 1 This regulation shall be effective as from July 1, 2010.	Supplementary Provision (Month, Date, Year – Ver. [] to the original dated Month, Date, Year) (Implementation date) Article 1 1. This regulation shall be effective as from the next date of approval by the Minister of METI. 2. Until the commencement of operation of the emergency generator in accordance with Article 61, other Unit's Emergency Diesel Generator or a portable generator may be deemed as the emergency generator.	The effective date is set out in item 1, Article 1 of the Supplementary Provision. Item 2, Article 1 of the Supplementary Provision sets out the transient arrangement				
Supplementary Provision (January 22, 2010 – Ver. 8 to the original dated December 16, 2009) (Implementation date) Article 1 4. As to matters set forth in chart 39-2 in Article 39 regarding Unit 4, that will be applicable from the major maintenance of Unit 4 as per item 1, Article 54 of the Electricity Business Act. Before that, the predicate rules be observed.		Supplementary Provision (January 22, 2010 – Ver. 8 to the original dated December 16, 2009) is deleted because chart 39-2 in Article 39 is already applied to the Unit 4 reactor				