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

Before amendment	After amendment	Note
(N.A.)	<ul> <li>(Improvement of system under Station Blackout)</li> <li>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 receiving AC power, all the reactor cooling facilities utilizing seawater and all the facilities for the cooling spent fuel pool ("Station Blackout").</li> <li>(1) Allocate staff in order to maintain reactor facilities under Station Blackout.</li> <li>(2) Train staff who operate to maintain reactor facilities under Station Blackout.</li> <li>(3) Install power source cars, fire-fighting vehicles, fire fighting hoses and other equipments necessary for operation to maintain reactor facilities under Station Blackout.</li> <li>2. The organization shall conduct activities to maintain reactor facilities under Station Blackout based on the plans mentioned above.</li> <li>3. The organization shall conduct periodic evaluation on the matters mentioned in Paragraph 1. and 2. and based on such evaluation, take necessary measures.</li> </ul>	Amendment in connection with the amendment to Rules on the Installation and Operation of Commercial Power Reactors (amended on March 30 <sup>th</sup> , 2011)

Comparison matrix for amendment to the safety regulations on nuclear reactor facilities for Fukushima Daini Nuclear power Station(2/3)						
Before amendment			After amendment			
<ol> <li>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.</li> <li>In order to confirm that the Emergency Diesel Generator satisfies the Operating Restrictions set forth in the foregoing, the following shall be executed:         <ul> <li>(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.</li> </ul> </li> <li>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</li> </ol>			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			
Item Operating Restriction		Cha	ırt 61-1			
The Emergency Diesel Generator conne AC power emergency AC high voltage bus required in	n accordance	Orice	Item	Operating Restriction		
with Article 66 is capable of operation  (abbreviated)			AC power	Two emergency generation facilities includi Emergency Diesel Generator connected to the en AC high voltage bus required in accordance with 66 are capable of operation	nergency Article	
Chart 61-3			*2: emergency generation facilities means the Emergency Diesel Generator and emergency generators that has sufficient capacity to supply electricity. The emergency			
Conditions Required action	Timeframe	_		nared between several Units.	rne ellergency	
A1. To commence the restoration work of the Emergency Diesel Generator back to the operable condition  A. In the and		(ab	breviated)	lared between several omits.		
event that <u>the</u> A2. To cancel pattern coordination	ASAP	Ula	Conditions	Required action	Timeframe	
Emergency   and   A3. To cancel irradiated fuel related works in   Generator   the reactor building   and			CONTRICTORS	A. To commence measures to satisfy the Operating Requirements and	ASAP	
A4. To prohibit opening isolation valves of piping comprising the reactor coolant pressure boundary connected to the reactor pressure vessel below the top of active fuel	e ASAP		A. In the event that the Operating Restrictions are	A2. To cancel pattern coordination and A3. To cancel irradiated fuel related works in the reactor building	ASAP	
13333 333 334 34 34 34 34 34 34 34 34 34			not satisfied	and A4. To prohibit opening isolation valves on piping comprising the reactor coolant pressure boundary connected to the reactor	ASAP	

pressure vessel below the top of active fuel

Comparison matrix for amendment to the safety regulations on nuclear reactor facilities for Fukushima Daini Nuclear power Station(3/3)

Before amendment	ons on nuclear reactor facilities for Fukushima Daini Nuclear power St After amendment	Note
Supplementary Provision  Supplementary Provision (June 14 <sup>th</sup> , 2010 Ver. 2 to the original dated May 26 <sup>th</sup> , 2010)  (Implementation date)  Article 1  This regulation shall be effective as from July 1 <sup>st</sup> , 2010.	Supplementary Provision  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	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 <sup>nd</sup> , 2010 Ver. 8 to the original dated December 16 <sup>th</sup> , 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.		Deleted because chart 39-2 in Article 39 is already applicable to Unit 4