Regarding Implementation of Preparatory Measures for Severe Accidents in Other NPSs Taking into Account the 2011 Accident at Fukushima Dai-ichi NPS of Tokyo Electric Power Co. Inc.

On March 30, 2011, the Ministry of Economy, Trade and Industry (METI) directed each Electric Utility to implement emergency safety measures assuming a loss of all AC power supply, etc. due to a tsunami, taking into account the accident at Fukushima Dai-ichi NPS of Tokyo Electric Power Co. Inc. (TEPCO). METI received the reports from each Electric Utility, etc. on their implementation status and conducted a rigorous examination. As a result, on May 6, METI confirmed that each Electric Utility, etc. had implemented emergency safety measures adequately, and determined that the safety required for preventing the occurrence of core damage, etc. had been secured.

In today’s report (June 7) on the accident at TEPCO’s Fukushima Dai-ichi NPS put together by the Nuclear Emergency Response Headquarters, it was mentioned that NISA confirmed that the implementation status of emergency safety measures by each Electric Utility, etc. was adequate. The report further lays out the measures that should be put in place from the viewpoint of enabling a swift response to any occurrence of a severe accident, taking into consideration the abovementioned accident.

Based on the above, METI requests that each Electric Utility, etc. to implement preparatory measures for severe accidents in other NPSs besides Fukushima Dai-ichi NPS of TEPCO, to be carried out immediately among the measures mentioned above, and report the situation by June 14.

Attachment:
“Regarding Implementation of Preparatory Measures for Severe Accidents in Other NPSs Taking into Account the 2011 Accident at Fukushima Dai-ichi NPS (Direction)”
(Contact Person)
Mr. Toshihiro Bannai
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Ministry of Economy, Trade and Industry

06.07.2011 N No. 2
June 7, 2011

To Addressee (stated elsewhere)

Minister of Economy, Trade and Industry  Banri Kaieda

Regarding Implementation of Preparatory Measures for Severe Accidents in Other NPSs Taking into Account the 2011 Accident at Fukushima Dai-ichi NPS (Direction)

The Ministry of Economy, Trade and Industry (METI) directed each Electric Utility, etc. in the March 30, 2011 directive (03.28.2011 N No. 7) titled “Regarding Implementation of Emergency Safety Measures in Other NPSs Taking into Account the 2011 Accidents in Fukushima Dai-ichi and Dai-ni NPSs” to implement emergency safety measures assuming that a tsunami causes the loss of three functions (functions of all facilities that supply AC power, functions of all facilities that use seawater to cool the reactor facilities, and functions of all facilities that cool the Spent Fuel Pool), based on the aforementioned accident. METI received the reports from each Electric Utility, etc. about their implementation status, and conducted a rigorous examination. As a result, METI confirmed that the emergency safety measures had been implemented adequately by each Electric Utility, etc. and determined that the safety required for preventing the occurrence of core damage, etc. had been secured.

Recently, the Nuclear Emergency Response Headquarters put together a report on the 2011 accidents at Fukushima Dai-ichi and Dai-ni NPS and selected the issues out of intense efforts made to restore the situation (response to severe accident), and from these issues, laid out the measures to enable a speedy response in case a severe accident occurs (such as severe core damage).

Based on the above, METI directs each Electric Utility to implement the following items as measures to be carried out immediately among the measures mentioned above, to be applied to NPSs other than Fukushima Dai-ichi NPS. The companies are requested to report back the situation by June 14, 2011.
Required Items

1. Secure the working environment in the Main Control Room
   Measures should be established so that the Main Control Room has a secure working environment with radiation protection, etc. by enabling the emergency ventilation and air conditioning facilities (recirculation system) to run on power supplied by a power supply vehicle in case all AC power supply is lost during an emergency.

2. Secure the means of communication inside the NPS premises in case of emergency.
   Measures should be established so that work inside the NPS premises can be done quickly and efficiently, by securing a reliable means of communication inside the NPS premises in case all AC power supply is lost during an emergency.

3. Secure supplies and equipment such as high-level radiation protective gear, and develop a system for radiation dose management
   Measures should be established so that radiation protection and radiation dose management of workers are secured in case of emergency, by companies’ stocking and sharing between each other supplies and equipment such as high-level radiation protective gears and personal dosimeters. A system should be maintained so that personnel capable of radiation dose management can be increase in case of an emergency.

4. Establish measures to prevent hydrogen explosion
   Measures should be established to prevent the destruction of facilities due to hydrogen explosion caused by core damage, etc. by preventing large amounts of hydrogen to build up inside reactor buildings, etc. in case of core damage, etc. during an emergency.

5. Deploy heavy machinery for removing rubble
   Measures should be established so that work inside the premises can be carried out swiftly, by deploying heavy machinery such as wheel loaders to quickly remove rubble caused by a tsunami, etc. in case of an emergency.
Addressees:

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