Ministry of Economy, Trade and Industry

July 13, 2011

Tokyo Electric Power Co., Inc.
President Toshio Nishizawa

Director-General, Nuclear and Industrial Safety Agency
Nobuaki Terasaka
NISA-168d-11-7
NISA-326d-11-4

Regarding the Directions for Improvement Related to Exposure Exceeding Dose Limit for Radiation Workers Engaged in Emergency Work at Fukushima Dai-ichi NPS, Tokyo Electric Power Co., Inc. (Direction)

On June 10, 2011, the Nuclear and Industrial Safety Agency (NISA) received from your company a report that the exposure dose of some workers engaged in radiation work after the occurrence of the 2011 off the pacific Coast of Tohoku Earthquake had exceeded the dose limit specified in the Notification (METI Notification No.40, 2011) which specifies the dose limit, etc., pursuant to the provisions in the Rules for the Installation and Operation, etc. of Commercial Power Reactors Related to Particularly Urgent and Imperative Cases of the 2011 Great East Japan Earthquake, pursuant to Article 9, paragraph 2 of the Rules for the Commercial Power Reactors concerning Installation and Operation, etc. (Ordinance of the MITI No. 77, 1978). In response to the report, NISA directed Tokyo Electric Power Co., Inc. (TEPCO) to take action based on the direction “Regarding Cause Investigation and Establishment of Recurrence Prevention Measures Related to Exposure Exceeding Dose Limit for Radioactive Workers Engaged in Emergency Work at Fukushima Dai-ichi NPS of Tokyo Electric Power Co., Inc. (Direction)” (06.10.2011 NA No. 1; June 10, 2011)

In response to the direction, NISA received from your company a report,

The evaluation found items for improvement to realize appropriate radiation management for those radiation workers engaged in emergency work. NISA requires your company to take the following measures and report the status of such improvements to NISA by August 12, 2011 in order to ensure that measures for operational safety are appropriately taken and that your company’s Fukushima Dai-ichi NPS is in compliance with the operational safety program.

Additionally, NISA has requested TEPCO to investigate the exposure cause for other workers who exceeded the dose limit in addition to the first 2 for whom the cause had already been identified, and establish recurrence prevention measures, and to report the results to NISA.

Directions

1. To ensure strict observance of dose limits through sufficient reinforcement of personnel engaged in radiation work, speedy measurement of the effective dose for employees working in Fukushima Dai-ichi NPS as well as acquisition of the effective dose for subcontractor personnel, leading to the creation of a control system that enables an accurate grasp of the exposure dose.

2. To ensure that when performing work in areas with high concentration of radioactive materials, tasks will be determined beforehand in concert with an estimate of internal exposure to date, and a verification procedure will be set for dose received during the work, such as through the use of whole body counters.

3. To create and implement an assessment procedure for screenings, in order to ensure proper assessment of contamination that could lead to internal exposure in areas with high concentration of radioactive
materials.

4. Regarding exposure dose management, specifically to create a control system that enables speedy management of (provisional assessed) internal exposure dose and external exposure dose as a total value as well as securing of equipment for measuring exposure dose, and in terms of determining the final internal exposure dose, conducting proper assessments in partnership with specialist medical or health organizations, avoiding both under- and overestimating.

5. To create a process manual and to implement training and drills, ensuring rapid orders for deployment of supplies and equipment (full-face masks fitted with charcoal filters against radioactive iodine, stable iodine, high-level radiation protective suits) reserved for appropriate response to unforeseen circumstances such as a rise in concentration of radioactive substances.

6. Regarding full-face masks fitted with charcoal filters, specifically to ensure an exploratory process that fully considers the wearability and work-related practicality for workers, followed by rapid deployment.

7. To ensure that eating and drinking are banned even in areas where eating and drinking are allowed, and will be banned in areas that do not meet the standard for controlled areas, should there be any risk of internal exposure such as the emergence of unforeseen circumstances including a renewed increase in the concentration of radioactive substances.

8. To thoroughly implement the directions issued to your company on May 25, “Evaluation Results of Radiation Management at Fukushima Dai-ichi and Fukushima Dai-ni Nuclear Power Stations (Direction)” (05.25.2011 Nuclear Number 1 as of May 25, 2011).