A blackout occurred in wide areas within the service area covered by Tohoku Electric Power Company Inc. due to the earthquake off the coast of Miyagi Prefecture on April 7, 2011. Due to this blackout, external power supply was lost temporarily at Higashidori Nuclear Power Station (NPS) of the power company and Rokkasho Reprocessing Plant of Japan Nuclear Fuel Limited.

The cause of this incident was the stoppage of the electric power system that supplied external power to an NPS and a reprocessing plant (hereinafter referred to as “NPS, etc.”) following a ground fault in a certain part of the system. The incident has raised problems regarding the reliability of an electric power system. The Nuclear and Industrial Safety Agency (hereinafter referred to as “NISA”), therefore, hereby directs General Electricity Utilities and organizations concerned to implement the actions listed below (Only the following actions 1 and 4 shall be applied to reprocessing facilities.). NISA also requests the utilities and others to report on the state of implementation of these actions by May 16, 2011.
Directions

1. Analyze and evaluate the reliability of power supply of your company’s electric power system that may affect on the power supply to NPS, etc., in view of the possibility that power supply disruptions, etc., caused by an earthquake, etc., may lead to a situation that may affect external power supply to NPS, etc. Also consider measures to improve the reliability of power supply to NPS, etc. concerned, based on the analysis and evaluation (including strengthening of onsite power sources at NPSs). With regard to reprocessing facilities, consider the improvement of equipments in the facility, corresponding to the above measures concerning the reliability of power supply from the electric power system to the facility concerned.

2. Connect all the transmission lines linked to the plural power lines to each reactor unit to enable power supply, thereby contribute to improving reliability of power supply to each unit at your company’s NPSs.

3. Evaluate the earthquake resistance, stability of the foundation in times of earthquake, etc. regarding transmission steel towers for power lines to your company’s NPSs, and, based on the results, apply necessary reinforcements and other measures.

4. Take measures to prevent the impact of tsunami on electric equipments at facilities such as switching stations at your company’s NPSs, including measures to put such equipments inside a building and to make them watertight.