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**Safety Report of TEPCO's Kashiwazaki-Kariwa Nuclear Power Station
at the Time of the Occurrence of Niigata-Chuetsu-Oki Earthquake**

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Abstract

The most important three functions for nuclear safety, namely "Shutdown", "Cooling" and "Containment", were secured at the Kashiwazaki-Kariwa Nuclear Power Station during and soon after the Niigata-Chuetsu-Oki Earthquake, which hit the nuclear power station with a large magnitude. First, all active reactors were promptly and safely shut down through the automatic scram system ("Shutdown"). Second, reactor water was maintained at a sufficient level and safely cooled below 100 degrees centigrade ("Cooling"). Third, no radioactive materials that can affect the environment have been released ("Containment"). Therefore, all functions necessary for nuclear safety were satisfactory, and the stable cold shutdown conditions for all reactors have been maintained after the earthquake.

However, several issues for the restart of the nuclear power station are still remaining. Although no significant damage to components of high safety importance was detected upon visual inspections, an in-depth investigation on equipments, the restoration of damaged facilities, and seismic safety verification including observation data analyses and geographical surveys around the site are being carried out.