

To Prepare for Building Damages due to Liquefaction

At the Great East Japan Earthquake occurred on March 11th, 2011, the liquefaction damages occurred over a wide range centered on the Pacific coast from Tohoku region to Kanto region. Even in the Tokyo metropolitan area far from the seismic center, the liquefaction occurred not only in a waterfront area, but also in inland areas, and the damages such as slant of wooden houses occurred in five wards located in the eastern part of the ward areas.

Therefore, in July 2011, we set up “the Tokyo Metropolitan Building Liquefaction Countermeasure Examination Committee” (hereinafter referred to as “Examination Committee”) which is comprised of the specialists of the geotechnology and have been studying the possible administrative efforts for the buildings such as wooden houses through the implementation of the ground survey intended for the areas where the liquefaction damages occurred.

The Examination Committee proposed ① Preparation of the guidance for the citizen of Tokyo to prepare for the building damages due to the liquefaction, ② Provision of the information on the ground data, ③ Improvement of the system for providing consultation to the citizen of Tokyo, as the items the Tokyo Metropolitan Government should pursue. Based on the above, we are working on the improvement for the environment where the builders and the owners of the buildings can investigate the possibility of the liquefaction in their premises, and study about how to prepare for the ground liquefaction in consultation with the specialists such as architects.

Item	Contents	
1.Preparation and Publication of Guidance to prepare for Building Damages due to the Liquefaction	The purpose is to deepen knowledge of the liquefaction and to clearly explain the mechanism of the liquefaction occurrence, the method of the ground survey and the countermeasure technical method, intended for the buildings such as wooden houses.	Publication in the website in March 2013 To become accessible at each administrative agency in April 2013
2.Provision of information on the ground data	The hazard map of liquefaction, the past topographic map, the ground data etc. are useful reference. Therefore, we have improved the system where you can access the materials, as well as explaining the outlines of the materials.	To sequentially become accessible at each administrative agency and the municipal governments in May 2013
3.Improvement of the System for Providing Consultation to Citizen of Tokyo	To provide necessary information and advices for the builders and the owners of the buildings to study in preparing for the building damages due to the liquefaction, such as understanding of the possibility of the liquefaction and the ground conditions of the premises, and the selection of the countermeasure technical method according to the characteristics of the ground.	To sequentially start consultation at each administrative agency in April 2013. Introduction of the specialists accordingly.
	To establish "Tokyo Metropolitan Advisory System for Liquefaction Countermeasures". To provide necessary information and advices at the initial stage to study the liquefaction countermeasures.	To start consultation in June 2013. Introduction of the specialists accordingly.