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Summarizing geotechnical activities after the 2011 Tohoku earthquake of Japan



Abstract

After the 2011 Tohoku earthquake in Japan, I as the Vice President and then as the President of the Japanese Geotechnical Society took initiatives in damage reconnaissance, developing new safety criterion for liquefaction-prone residential areas, quantitative evaluation of ageing effects in liquefaction resistance of sand, investigation on damage mechanism of river levees, recovery from the tsunami incidence of Fukushima No.1 Nuclear Power Plant and ground improvement in existing residential area. Some of them were conducted urgently within several months after the earthquake, while others encountered many difficulties from the view point of public agreement. This paper summarizes the post-earthquake activities of geotechnical engineering in restoration of the community.

<https://www.issmge.org/uploads/publications/59/104/ch001.pdf>