

A Supplementary Study on Chemical Process System of Chemical Engineering against both Earthquake and Tsunami

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This study is based on the recent explosion of those Fukushima Nuclear Power Plants in Japan caused by Tsunami coming from originally Earthquake, and also problems of Kori Nuclear Power Plant in Korea. Except Nuclear Power Plants, also modernized most complex chemical plants are producing and treating fatally poisonous and dangerous products. We understand these chemical process systems and processing equipment are very weak against both Earthquake and Tsunami. Finally, in case both Earthquake and Tsunami are burst forth in the areas of complex chemical plants, the final situations are very much alike in that respect of Nuclear Power Plant. So, those weak points on appeared problems should be in advance improved and reconsidered in design and application so that those defects can be supplementary on various cases. Accordingly, this paper is summarized with what and how to improve and introduce in Chemical Process System of Chemical Engineering Fields against both Earthquake and Tsunami. More importantly, Engineering Philosophy will be emphasized on this study.