

Human errors analysis and its urgent Measures on recent Explosion of those Nuclear Power Plants  
occured in Fukushima district of Japan  
-Based on Process Safety and Basic Design Concept/Consideration in view of Process System of  
Chemical Engineering Fields-

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Recently some nuclear power plants in Fukushima, Japan were exploded due to regretfully-malfunctioned process systems by human errors incidental to the originated Earthquake and Tsunami. People throughout the world became to watch the situation and what and how to handle by Japanese experts against the Emergency situation. So, these shown problems on safety wise should be thoroughly investigated and found out the root causes for further safely-comfortable for human being's SHE (Safety, Health and Environment) all over the World. Accordingly, this paper is summarized with both human errors and PSTM to be focused on the upstream aspects of root causes in order to upgrade the process systems of the "Boiling Water Reactor", Nuclear Power Plant. And also it is reviewed both process safety and also basic design concept and consideration in view of Process System of Chemical Engineering Fields against natural disaster.