

Nurhuda Sengyee 2011: An Establishment of Construction Occupational Health Safety Management System (COHSMS). Master of Engineering (Safety Engineering), Major Field: Safety Engineering, Faculty of Engineering. Thesis Advisor: Associate Professor Prapaisri Sudasna-na-Ayudhya, Ph.D. 204 pages.

This research was conducted to investigate the implementation of Construction Occupational Health Safety Management System (COHSMS). The samples were safety officers or staffs for occupational health and safety in construction that work in Bangkok, Chonburi and Rayong provinces. The amount of samples was 100. The questionnaires were evaluated from all samples' perceptions. Then the data were analyzed and the statistics, e.g. the percentage, the average, the standard deviation, the correlation coefficient of Pearson, were calculated. Moreover, the Chi - square test was performed.

The result of this research indicated that the factors of functionality required by the Ministry or COHSMS Regulations and COHSMS acceptance factors are good. The factors that make the organizations become successful in establishing occupational health and safety management system were found to be the clarity of the policy, commitment of senior management, and as well as the roles and responsibilities of the employees at all levels. On the other hand, the problems were mainly rose from the lack of commitment of senior management, lack of thorough employees' trainings which cause lack of awareness among employees and also lack of funding. Besides the factors that correlate with the success in Establishing Construction Occupational Health Safety Management System were studied. From the analysis, the Pearson's correlation coefficient indicated that the factors of functionality required by the Ministry or COHSMS Regulations and COHSMS acceptance factors are significantly related (P-value <0.05). The Chi-square test also showed that the personal factors, i.e. the relationship status, level of education, the appointed a safety officer, job levels and work experience, are significant to the success in Establishing COHSMS. (P-value <0.05).

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Thesis Advisor's signature