

Htut Khaung Win 2013: Environmental Management System for Concrete Batching Plants in Yangon City, Myanmar. Master of Engineering (Environmental Engineering), Major Field: Environmental Engineering, Department of Environmental Engineering. Thesis Advisor: Assistant Professor Cheema Soralum, Ph.D. 130 pages.

The purpose of this study was to create initial environmental review through environmental audits and to encourage evaluating Environmental Management System EMS (ISO 14001) opportunities based upon facility's individual operations for concrete batching plants in Yangon City, Myanmar. Because emissions from poorly-controlled concrete batching plants not only pollute the environment, and also cause serious impacts of human health. So evaluating and indentifying of significant aspects was grown to be primary objective of this research. In statistically analysis, a questionnaire consisted of 65 questions was designed to gather information on the basic general conditions about concrete plants covering raw materials consumption, precautionary measures to lower emission levels, water and leftover concrete management and control measures for noise and air pollution including inspections and audits. Then significant aspects from their activities were observed and articulated by the priority of important. In research, results were statistically analyzed by Excel software and illustrated in graphs and figures. It was found that EMS operated together with ISO 14001 could efficiently enhanced for sustainable concrete batching plants in Yangon City, Myanmar.

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Thesis Advisor's signature

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