

A Conceptual Framework of Scheduled Waste Management in Highway Industry

Authors : Nurul Nadhirah Anuar, Muhammad Fauzi Abdul Ghani

Abstract : Scheduled waste management is very important in environmental and health aspects. Despite it is very important, the research study on schedule waste management is very little in the highway industry even though there is a rapid growth of highway operation in the Asian region. It should be noted that there are many unnoticeable wastes in highway industry that should be managed properly. This paper aims to define the scheduled waste, to provide a conceptual framework of the scheduled waste management in highway industry, to highlight the effect of improper management of scheduled waste and to encourage future researchers to identify and share the present practice of scheduled management in their country. The understanding on effective management of scheduled waste will help the operators of highway industry, the academicians, future researchers, and encourage a friendly environment around the world. The study on scheduled waste management in highway industry is very crucial as compared to factories in which the factories are located on specified areas whereas, highway transverse and run along kilometers crossing the various type of environment, residential and schools. Using Environmental Quality (Scheduled Waste) Regulations, 2005 as a guide, this conceptual paper highlight several scheduled wastes produced by highway industry in Malaysia and provide a conceptual framework of scheduled waste management that focused on the highway industry. Understanding on schedule waste management is vital in order to preserve the environment. Besides that, the waste substances are hazardous to human being. Many diseases have been associated with the improper management of scheduled waste such as cancer, throat irritation and respiration problem.

Keywords : Asia region, environment, highway industry, scheduled waste

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