

DEVELOPMENT OF INTEGRATED SCHEDULED WASTE MANAGEMENT SYSTEM FOREducational SECTOR

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Highlights: Development of integrated system for Scheduled Waste (SW) Management in UMK known as UMK Scheduled Waste System (UMK - SWS) will lead UMK towards the holistics SW management system. The UMK - SWS system is the only SW management system of its kind available in education sector in Malaysia that significantly sustaining the environment as well as complied under the Environmental Quality (Scheduled Waste) Regulations 2005 enforced by Department of Environment, Malaysia.

Key words: *scheduled waste (SW), integrated system, compliance, environment, act*

Introduction

The Department of Environment (DOE) Malaysia had enforced proper scheduled waste management through the Environmental Quality (Scheduled Waste) Regulations 2005 by having Electronic Scheduled Waste Information System (eSWIS). However, the enforced system (eSWIS) of DOE is having many limitations on holistic monitoring of SW through the workplace. Therefore, through the Development of Integrated System for SW Management in UMK known as UMK Scheduled Waste System (UMK - SWS), it will lead UMK towards systematic and efficient SW management with th real time statistically monitored system for SW for all faculty/PTj in UMK.

Content

UMK had intiated the UMK SWS after having a competent person person registered under the act. With the fully top down commitment from UMK top management and every Faculties/PTj within three different campuses in UMK, all SW data was retrieved and compiled. With the start up funding provided by RiMC UMK the real time SW data management system was developed in order to established the real time monitoring capabilities of SW.

There are very lacks of SW management related to the inadequate awareness, lack of competent staff, inefficient practices such as non availability of SW data that contributed as the major problems to the Education Sectors in Malaysia as well as the non-compliance issues under the Environmental Quality (Scheduled Waste) Regulations 2005 enforced by the Department of Environment (DOE), Malaysia.

Past studies revealed that there was lack of SW management control among government sector especially at educational sectors especially in Malaysia Thus UMK will be the first academic institution in Malaysia taken steps ahead in spearheading the intergrated monitoring system of scheduled waste management in order to ensure the sustainability of environment.

UMK- SWS had complied under Environmental Quality (Scheduled Waste) Regulations 2005, Department of Environment Malaysia and can be managed effectively through real time monitoring on the overall SW generation, handling, storage and disposal throughout all faculty/PTj in UMK. UMK-SWS had been registered for trademark for UMK-SWS and copyright for the system develop under Intellectual Property Corporation Of Malaysia (MyIPO). As the only SW Management System of its kind in Malaysia.

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