



Service Priorities and Programmes
Electronic Presentations

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Multi-dimensional approach to managing food waste

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Introduction

From a social prospective, food waste management is a proven way to relieve the thorny landfill issue, and minimize the adverse impact such as greenhouse gas, and wastewater from landfill site to contaminate our environment. KWH, as one of the supporters in food waste management, believes that through our joint efforts in handling food waste generated from patients and staff, the concept and culture of food wise and can be built up in the hospital. The project of decomposing food waste from patients by a liquefying decomposer was implemented in 2012. Sorted food waste suitable for decomposition can be continuously put into the organic food waste liquefying decomposer. The sorting process is simple as all types of organic food waste except big bones or shell are fit for the decomposer. The food waste can then be decomposed and turned into liquid form, after which it can be discharged to the sewage system. Another project is to mix the food waste from staff canteen with Chinese medicine herb residuals by converting into a useful fertilizer.

Objectives

To reduce the size and volume of both solid food waste and Chinese medicine herbal residuals.

Methodology

A case study research project in close collaboration with Environmental Protection Department of HKSAR, Tung Wah Group of Hospitals and Baptist University is made by converting food waste from the staff canteen and Chinese herbal residues from the Chinese medicine clinic to herb fertilizer through decomposition.

Result

After years of implementation of liquefying decomposer, the volume of food waste can be reduced substantially by 240kg per day. It can reduce the cost of transportation and space for landfill. Upon completion of the herbal waste research, it is expected that there will have substantial reduction of Chinese medicine herbal waste by converting it to the fertilizer. In summary, food waste can be transformed into other

useable substance and thus we can “create values from food and herb waste”.