

**For Information**

**Legislative Council Panel on Environmental Affairs**

**5172DR – Development of Organic Waste Treatment Facilities in  
Siu Ho Wan, North Lantau**

**Supplementary Information**

**INTRODUCTION**

At the Environmental Affairs Panel meeting on 22 November 2010, Members supported the PWP Item 5172DR "Development of Organic Waste Treatment Facilities in Siu Ho Wan, North Lantau" and requested the Administration to provide information on the food waste treatment programme of the residential development at the Park Island. We have sought the advice of the Park Island Development management company and set out the information below.

**FOOD WASTE TREATMENT PROGRAMME AT THE PARK  
ISLAND DEVELOPMENT**

2. Park Island Residential Development (the Development) is located at Ma Wan Island comprising over 5,000 residential units and was developed in the early 2000's with residents mostly coming from the middle-class families. Generally speaking, the residents in the Development are more environmentally conscious. In August 2006, the management company, with the support of its owners' committee, initiated a Food Waste Treatment Programme (the Programme). The Programme aimed to collect food waste generated from the Development for on-site treatment, thereby reducing the amount of waste requiring delivery to the refuse transfer station at the Ma Wan Island for subsequent landfill disposal.

3. Initially the Programme covered only the Club Houses of the Development. Since October 2006, the Programme has been extended to all residential households. As shown in the table below, the number of

households participating in the Programme rose from about 75 in 2007 to about 500 (approximately 10% of the total residential units) in 2010.

	2007	2008	2009	2010	Comparison (2007 & 2010)
<b>No. of Participating households</b>	75	405	463	491	6.54 times
<b>Food waste collected (in Kg per month)</b>	826	2,151	2,992	3,016	3.65 times

4. Participation of households in the Food Waste Treatment Programme is on a voluntary basis. All participating households receive a transparent box with lid (approximately 4.4 litres) for collection of their source-separated food waste generated at home. The management company has also provided to the participants guidance leaflets about the Programme and the food waste sorting requirements (see **Enclosure 1**).

5. The participating households are required to sort their food waste inside their premises. Common food waste including vegetable leaves, fruit skins, egg shells, used tea leaves etc. could be put in the transparent box for treatment, while large bones, hard shells and non-food waste are not allowed to be placed in the box.

6. The participants would bring the boxes filled with food waste to the service counter on the ground floor of the residential block every day. Normally, the participants would bring them to the service counter in the morning when they go to work. They would collect clean boxes at the counter when they return from work in the evening.

7. The cleansing workers of the management company would collect the filled food waste boxes from different residential blocks and bring them to the refuse collection point (RCP) of the development. Inside the RCP, the collected food waste would be transferred from the food waste boxes to bigger containers. The food waste boxes would then be cleaned inside the RCP for reuse. The food waste in the bigger containers would be delivered to the on-site food waste decomposer system for treatment. The

works of collecting and cleansing food waste boxes are shared among a team of cleansing workers serving different residential blocks. A worker is assigned to deliver the food waste from the RCP to the on-site food waste decomposer system and to overlook the operation of the system.

8. At present, one unit of food waste decomposer system with treatment capacity of 100 Kg per day is installed inside the Development. The system could degrade the source-separated food waste within 24 hours and only small amount of wastewater would need to be discharged. The wastewater is treated by a grease trap to remove the oil and grease and would then be collected in tanks for discharge to the foul sewer.

9. As the number of households participating in the Programme is anticipated to increase further, the management company plans to install another 100 Kg/day on-site food waste decomposer system in the near future.

## **PROMOTION ON FOOD WASTE REDUCTION**

10 The EPD has been launching publicity and partnership programmes with housing management, hotel, food manufacture and restaurant trades to promote food waste reduction. The programmes include seminars, workshops and site visits to disseminate knowledge and to facilitate sharing of experience in food waste reduction and recycling. The experience of the Park Island Development will provide useful reference for housing management companies and we would publicize the case in our publicity programme.

Environmental Protection Department  
January 2011



# 廚餘回收計劃

## Food Waste Recycling Programme



收集廚餘  
Collect food waste



將收集之廚餘投入廚餘機內  
Pour the collected food waste into the food waste conversion system



開始運作  
Start processing



經 24 小時處理後，廚餘即轉化為液體然後排走  
Converted food waste turns into liquid and drain away after 24 hours



香港處理廢物是以堆填方法為主，而逾 34% 的固體廢物是廚餘。這些廢物日積月累會增加堆填區的負荷。有沒有想過減輕堆填區的負擔？現在廚餘回收計劃已開始接受業戶報名參與，參加者可將每天家庭中所產生的有機垃圾如剩菜、剩飯、菜葉、果皮、蛋殼、茶葉渣及其他可被微生物分解的有機物，放入服務處提供的回收膠盒內，每日交予大堂服務員便可。

In Hong Kong, land-fills are the main waste disposal methods of which over 34% of the solid waste is food waste. This waste accumulates over a long period of time and increase the workload needed for full biodegradation. Do you want to help alleviate the problem?

The food waste collection programme is commencing, all residents are welcome to join this programme. Participants should place their organic waste such as food leftovers, vegetable leaves, fruit skins, egg shells, used tea leaves and other biodegradable items into the food waste bins, and pass the collection bin to our customer service counter daily.



# 珀麗灣廚餘回收指南

致: 珀麗灣\_\_\_\_\_座\_\_\_\_\_樓\_\_\_\_\_室業戶  
多謝貴單位參與本計劃，請注意以下事項：

## 1) 可處理對象



## 2) 回收程序：

- 業戶請先從廚餘分類出上述之「可處理對象」。
- 將「可處理對象」中的水份瀝乾，放進指定膠箱內。
- 把膠箱交予大堂服務員，大堂服務員會為閣下記錄，並將乾淨膠盒退回閣下。

感謝惜福愛物的您參與  
讓我們化腐朽為神奇

Thank you for your participation  
Together we make the difference



啟勝管理服務有限公司

KAI SHING MANAGEMENT SERVICES LIMITED

# 廚餘回收計劃就是這麼簡單

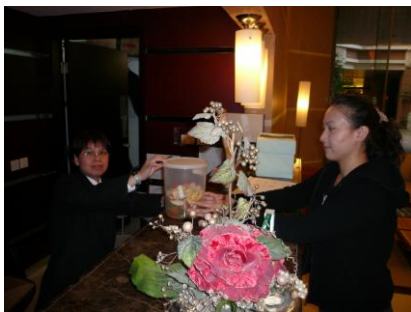
Organic Food Waste Recycling Program is as simple as this!

1. 將廚餘桶放置於鋅盆旁  
Placing the food waste bucket near the kitchen sink.



*Act Now*  
*Act Now*

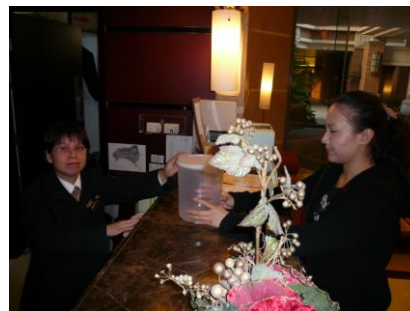
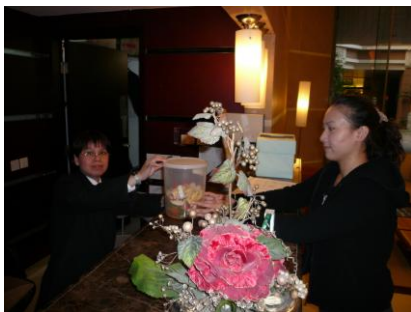
2. 準備食物時將廚餘放進回收桶內  
Putting food waste into the bucket during food preparation.



*Act Now*  
*Act Now*

3. 收集廚餘放進桶內  
Collecting food waste inside the bucket.

4. 將收集之廚餘桶交往大堂服務員處理  
Submitting the food waste bucket to the tower lobby counter for handling.



5. 領取新的廚餘桶  
Receiving new, cleaned food waste bucket.

*Act Now*  
*Act Now*

環保就是這麼簡單，請支持廚餘回收計劃，踴躍參與！

**As simple as that, please support the environmental protection, action now, join the organic food waste recycling programme !**

如有任何查詢，請致電 2986 3800 與服務處職員聯絡。

**For any enquiries, please contact the Management Service Office at 2986 3800.**

