

General Guidelines on Methods for Estimating the Food Waste Reduction Residential Sector

In order to understand the current amount of food waste generation in household and evaluate the effectiveness of implemented food waste reduction measures, it is necessary to collect and record the food waste generation amount for 7 days by the household. Please follow the following procedures to record the data. After food waste reduction measures have been implemented, household can repeat another measurement of food waste amount for comparison.

The procedures for food waste separation, measurement and record are as follows:

1. The family has to assign a member as the Food Waste Recorder with the duty to implement and record data and information;
2. One or multiple food waste container(s) with known volume or weight have to be set up in the kitchen which should be labelled clearly with “Food Waste Container” sign on the container(s), as shown in Fig. 1;
3. Notify all family members the period of measurement and require them to only put food waste (including pre-consumption and post-consumption) into the dedicated collection container(s) in the measurement period;
4. Food Waste Recorder should inspect the Food Waste Container(s) from time to time and ensure there is no non-food waste being disposed into the Food Waste Container(s);
5. If non-food waste/other debris is found, Food Waste Recorder should remove those non-food waste from the Food Waste Container(s) and remind all family members to dispose waste from food waste properly;
6. Before the treatment or disposal of food waste, Food Waste Recorder needs to measure the quantity of food waste generated that day and record in the Recording Form. The quantity can be measured in volume or weight.
7. If volumetric measurement is adopted, number of container(s) can be counted (e.g. 1 full container, 1/2 container, 1/4 container), then add up the total number of container(s) after the measurement period. The number of container(s) can be converted into volume by multiplying the volume of container.
8. If it is measured by weight, net weight of the food waste can be measured by scale by subtracting the weight of bin(s)/bag(s). After a week of measurement, the total weight should be added up. Please note that the weigh scale used should be the same throughout the measurement period.
9. If there is surplus food for donation or other use of the food waste, the information and quantity should

be recorded.

10. After the measurement period, the measurement record should be kept properly for evaluation.

11. After implementation of food waste reduction measures, the above measurement procedures should be repeated again so as to evaluate the effectiveness of those measures.



Fig. 1

Contact Us

Suggestions, comments and enquiries on this Guideline are welcome. Please email your views to the Secretariat of the Food Wise Hong Kong Steering Committee at foodwisehk@epd.gov.hk.

Disclaimer

The information contained in this General Guideline is compiled for general reference only. Users need to make their own assessment of all information contained in this General Guideline, and also need to take into account their own situations, such as the nature and scale of their business etc., to adopt the appropriate procedures to suit their own operational needs.

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Remark : This guideline is produced by Environmental Protection Department with the assistance from Hong Kong Productivity Council

Food Waste Generation Record Form
Residential Sector

Food Waste Recorder Name: _____

Food Waste Container's Volume/Net Weight: _____(Litre/kg)*

Collection Date (dd/mm/yy)	Food Waste Quantity		Amount of Food for Donation (kg)
	Volume or No. of Container*	Net Weight (kg)	
/ /			
/ /			
/ /			
/ /			
/ /			
/ /			
/ /			
Total :			
Total Vol.# :	(Litres)		

#Total No. of Food Waste Container x Volume of Food Waste Bin/bag (Litres) = Total Volume of Food Waste (Litres)

Quantity of Food Waste for Other Purpose

Purpose	Qty (Bag/Litres/kg) *	Purpose	Qty (Bag/Litres/kg) *

*Please delete as appropriate

Date : _____