

A GUIDE FOR MANAGING AND MINIMIZING BUILDING AND DEMOLITION WASTE

C. S. Poon, T.W. Yu and L. H. Ng
Research Centre for Urban Environmental Technology and Management
Department of Civil and Structural Engineering
The Hong Kong Polytechnic University

All Rights Reserved
The Hong Kong Polytechnic University
May 2001

ISBN:962-367-311-6

Preface

The Hong Kong construction industry generates a large quantity of construction and demolition waste. Although the use of construction and demolition waste at public fills for land reclamation purposes is a beneficial way of utilising the resources, the recent public objections to public filling particularly in Victoria Harbour, has greatly reduced the disposal outlet of construction and demolition waste. The disposal of construction and demolition waste at landfills and marine dumps has caused major environmental concerns. Government sources indicate that there is an acute shortage of landfill space in Hong Kong and the continuation of disposal of construction and demolition waste at landfills would jeopardise the strategic use of landfills for the disposal of the more demanding waste types such as domestic refuse and hazardous waste.

Research results of the Department of Civil and Structural Engineering of The Hong Kong Polytechnic University indicate that it is possible to minimise the production of waste by using alternative construction and demolition technologies. The aims of this guidebook are to give background information on the C&D waste problems in Hong Kong and provide practical guidance to building professionals on how to manage and minimise C&D waste.

The authors of the guidebook would like to thank the many engineers, architects, developers and other building professionals both in the private and public sectors who have provided valuable information during the research. Also, the publication of the guidebook is made possible by the financial support of The Hong Kong Polytechnic University through the funding of the Area of Strategic Development - Advanced Building Technology.

C.S. Poon
May 2001