

MYER KUTZ

Contents

Cont Prefa	tributors ix
1	Engineering of Mineral Extraction 1 Michael G. Nelson
2	Waste Reduction in Metals Manufacturing 33 Dr. Carl C. Nesbitt
3	Life-cycle Evaluation of Chemical Processing Plants 59 David Brennan 59
4	Waste Reduction for Chemical Plant Operations 89 Ali Elkamel, Cheng Seong Khor and Chandra Mouli R. Madhuranthakam
5	Industrial Waste Auditing 125 C. Visvanathan
6	Reverse Production Systems: Production from Waste Materials 1-Hsuan Hong, Jane C. Ammons and Matthew J. Realff
7	Environmental Life-cycle Analysis of Alternative Building Materials 179 Bruce Lippke and Jim L. Bowyer
8	Wastewater Engineering 207 Say Kee Ong, Ph.D
9	The Environmental Impacts of Packaging 237 Eva Pongrácz
10	Aqueous Processing for Environmental Protection 279 Fiona M. Doyle, Gretchen Lapidus-Lavine
11	Solid Waste Disposal and Recycling 307 Georgios N. Anastassakis
12	Processing Postconsumer Recycled Plastics 357 Gajanan Bhat
13	Supercritical Water Oxidation 385 Philip A. Marrone and Glenn T. Hong
Inde	x 455