



The  
**Waste Revolution**  
Handbook  
South Africa Volume 2  
The Guide to Sustainable  
Waste Management



# WASTE

ISBN 978-0-620-45067-6



9 780620 450676

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South Africa Volume 2  
The Guide to Sustainable  
Waste Management

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2006/206388/23  
Vat Number: 4130252432

ISBN No: 978-0-620-45067-6 Volume 1 first Published September 2010. All rights reserved. No part of this publication may be reproduced or transmitted in any way or in any form without the prior written consent of the publisher. The opinions expressed herein are not necessarily those of the Publisher or the Editor. All editorial contributions are accepted on the understanding that the contributor either owns or has obtained all necessary copyrights and permissions.

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**PAPER**  
Hi-Q Titan

**PRINTER**  
CREDA COMMUNICATIONS

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**WASTE MANAGEMENT**



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# MUNICIPAL WASTE MANAGEMENT- GOOD PRACTICES



## WASTE FLOW DIAGRAM

This document aims to cover good practices in each of the stages of waste management, from the point of collection through transport, storage and treatment to final disposal. The principles of the waste hierarchy which include waste minimisation, re-use and recycling, is supported to reduce disposal at landfill. Some examples may work well in certain areas and not in others. Municipalities should determine the suitability of specific programmes for their specific circumstances. The Integrated Waste Management Plan (IWMP) can evaluate and recommend the most appropriate systems for each municipality.

In South Africa the majority of waste ends up in landfills as mixed waste (thick grey arrow in the waste flow diagram). Reduce, re-use and recycling activities should be encouraged (the green arrows), which will result in a smaller waste stream to landfill (the black arrows).



The Purpose and function of waste facilities

Facility	Materials Recovery Facility (MRF)	Buy-back	Transfer station	Central collection points	Drop-off	Garden sites	Landfill/dump
Types of waste	Mixed municipal waste, Mixed recyclables	Recyclables	Mixed waste	Mixed waste	Recyclables	Garden waste	Mixed waste, Building rubble, Garden waste
Who bring waste?	Waste collectors, Community	Community	Waste collectors	Contractors, Community	Community	Community	Municipality, Contractors, Business
Who remove the waste?	Recyclers, Municipality	Recyclers	Municipality, private companies	Municipality	Recyclers, Municipality	Recyclers, Municipality	-
Where does the waste go from here?	Recycling plant or Landfill	Recycling plant	Recycling plant or Landfill	Landfill or MRF or Transfer station	Recycling plant	Composting facility or landfill	-
Purpose of facility	Waste separation	Recycling and re-use	Optimising transport system	Collection from inaccessible areas	Recyclables and builders rubble	Separate compostable waste	"Safe" disposal