

Standard construction document CCA

**81**  
2001

# **a best practices guide to solid waste reduction**

**Canadian Construction Association**

2001 Copyright

# TABLE OF CONTENTS

<b>1.0</b>	<b>Waste as a Resource in Construction.....</b>	<b>3</b>
1.1	Impact of Waste Management Planning on the Construction Industry.....	3
1.2	Benefits of CRD Waste Diversion.....	3
1.3	Landfills and Regional Variables.....	4
1.4	Overview of Regulatory Frameworks & Guidelines.....	5
1.4.1	Provincial and Municipal Overview .....	5
1.4.2	Federal Overview .....	5
1.4.3	CCA Code of Practice.....	6
<b>2.0</b>	<b>Reduction, Reuse, and Recycling: Opportunities &amp; Restrictions .....</b>	<b>7</b>
2.1	Composition of CRD Waste.....	7
2.2	Waste Diversion Opportunities for Non-Hazardous CRD Waste.....	7
2.2.1	Landclearing and Site Excavation .....	8
2.2.2	Wood.....	8
2.2.3	Ferrous and Non-Ferrous Metals .....	9
2.2.4	Asphalt.....	10
2.2.5	Corrugated Cardboard.....	10
2.2.6	Drywall and Gypsum.....	11
2.2.7	Concrete.....	12
2.2.8	Masonry .....	13
2.2.9	Plastics and Vinyl .....	13
2.2.10	Other Building Materials .....	14
2.3	Material Handling Options .....	14
2.3.1	Identify Local Reuse and Recycling Opportunities .....	14
2.3.2	On-Site Processing of Materials – Creating a Source Separation Program .....	15
2.4	Considerations for Collecting, Handling, Storing and Removing CRD Waste.....	15
2.4.1	Advantages & Disadvantages of Commingled Recycling .....	15
2.5	Overview of Hazardous Waste Management .....	16
2.5.1	Liabilities .....	16
2.5.2	Asbestos Abatement and other hazardous/designated substances .....	17

<b>3.0</b>	<b>Conducting a Waste Audit .....</b>	17
3.1	Quantifying and Qualifying Waste .....	17
3.2	Steps to Achieve a Comprehensive Waste Audit.....	20
3.3	Waste Audits as a Project Management Tool.....	23
<b>4.0</b>	<b>During the Delivery Process .....</b>	24
4.1	Waste Management Priorities in the Early Stages of a Project .....	24
4.2	Understanding Project Expectations .....	24
4.3	Bid Evaluation Frameworks and Waste Management .....	25
4.4	Fostering Awareness Through Good Communication.....	25
4.5	Waste Management Coordinator .....	26
4.6	On-Site Separation of Materials .....	26
<b>5.0</b>	<b>Waste Management Workplan .....</b>	29
5.1	Elements of a Successful Waste Management Program .....	29
5.1.1	Team building and Good Communication .....	29
5.1.2	Site Set-up.....	30
5.1.3	Hauling Options.....	31
5.1.4	Construction Waste Agreement.....	31
5.2	Implementing a Waste Management Workplan .....	32
5.3	On-going Monitoring Program Evaluation and Continual Improvement.....	32
<b>6.0</b>	<b>Conclusions.....</b>	33

## **APPENDICES**

- Appendix A:**      **Glossary of Processing Equipment**
- Appendix B:**      **Useful Contacts**
- Appendix C:**      **Sample Construction Waste Agreement**