

# WASHINGTON WASTE MINIMISATION WORKSHOP

**INSTITUT WAR — Bibliothek —**  
Wasserversorgung, Abwasser,  
Abfalltechnik und Raumfahrt  
Technische Universität  
Petersenstraße 13, 64287 Darmstadt  
TEL. 0 61 51/16 36 59 + 16 27 48  
FAX 0 61 51/16 37 58

W. A. R. — Bibliothek  
Inv.-Nr. D 17178

06.3 WWM 95I

## Volume I

# *Five Waste Streams to Reduce*

*Workshop organised by the OECD in Washington D.C.,  
on March 29-31, 1995  
and co-hosted by the United States, Canada and Mexico*

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

Bibliothek Wasser und Umwelt  
(TU Darmstadt)



61504281

## Table of contents

### Waste stream case study 1. **Packaging**

Introduction.....	15
1. background .....	16
2. Choice of available methods of waste avoidance.....	33
3. Existing policy approaches to encourage and implement waste minimization methods .....	37
4. Implications & evaluation of policy approaches.....	48
5. Future directions .....	51
Annex.....	55
Presentations of panel members. Session summary .....	87

### Waste stream case study 2. **Lead-Acid Batteries**

Summary.....	107
1. Background .....	109
2. Waste minimization methods .....	113
3. Policy approaches to encourage and implement minimization methods.....	115
4. Implications and evaluation of policy .....	120
5. Future directions .....	124
References .....	127

Appendix A. Summary of responses to OECD ULAB management survey .....	128
Appendix B. Environmental impact of ULAB recycling .....	134
Appendix C. Provincial initiatives for ULAB recovery in Canada .....	136
Presentations of panel members. Session summary .....	139

### Waste stream case study 3. **Electrical and Electronic Scrap**

Summary .....	159
Introduction.....	161
1. Scope .....	162
2. Electrical and electronic EE scrap .....	165
3. Methodological approaches to minimization of EE scrap .....	169
4. Policies to promote minimization of EE scrap .....	171
5. Points for further discussion and development.....	178
Annex 1. Average material composition of PCs and refrigerators .....	179
Annex 2. Plastics.....	181
Annex 3. Hazardous substances .....	182
Annex 4. Improving minimization .....	185
Annex A. Waste minimization diagram .....	192
Presentations of panel members. Session summary .....	193

## Waste stream case study 4. **End-Of-Life Vehicles**

Introduction.....	219
1. Background to the ELV waste stream .....	219
2. Available waste minimisation methods .....	225
3. Policy instruments - approaches made to waste minimisation issues for ELVs.....	228
Possible policy approaches .....	232
Future policy directions .....	234
Presentations of panel members. Session summary .....	237

## Waste stream case study 5. **Metal Plating Waste**

<i>List of exhibits</i> .....	274
Summary .....	275
Metal plating industry .....	275
Overview of metal plating processes .....	276
Waste stream characterization .....	278
Waste minimization/pollution prevention techniques .....	280
Policy approaches promoting; pollution prevention and cleaner production .....	286
Implications and evaluation of policies .....	298
Presentations of panel members. Session summary .....	301