



WASTE MINIMISATION DIRECTORY



Produced by

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Waste Education Officer
Hume City Council

August 1996



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INTRODUCTION

This directory is intended for use by commercial and industrial properties within Hume City Council. It contains a wealth of information on waste minimisation services within one document. It is intended to be used as a resource to refer to when you are considering setting up recycling. Instead of you having to investigate who collects recyclable materials, this information has been compiled in a convenient form in this directory and refers to a variety of waste types.

In addition, there is a variety of other useful information, such as waste minimisation case studies and other companies which are undertaking some interesting environmental initiatives.

This version of the directory is only as current as the latest update. Information on recycling can change very rapidly; therefore the document is intended to be constantly updated. If you would like a later version, simply contact:

Iona Theodoridis
Waste Education Officer
Telephone: 9205 2436

RECYCLING CONTRACTORS BY WASTE TYPE

(updated Aug 16 1996)

BEVERAGE CONTAINERS

GENERAL

Bell's Recycling

12 Cameron Rd Broadford 3658

Phone (057) 841 613 Fax (057) 843 356

David Bell/ Bernadette Cornfoot Mobile (015) 867 004

Materials collected are all glass bottles and jars, aluminium cans, PET bottles, "R" symbol bottles, plastic milk bottles and cream jars.

Visy Recycling

30- 32 Plummer Rd Laverton 3026

Phone 9247 4666

Andrew Smith Phone 9248 2121

Materials collected are glass bottles and jars, aluminium cans, consumer steel cans, PET, HDPE plastic milk and cream containers, and liquid paperboard ie milk and fruit juice cartons. There is a rental charge on 240 litre Mobile Garbage Bins used to store beverage containers. Pick-up is free and at a weekly frequency or as deemed necessary. Bins can be emptied on-site or a change-over can be arranged.

ALUMINIUM CANS

Alcoa Cash a Can

McDonalds Road Brooklyn 3025

Phone 9314 0844

Comalco Aluminium

PO Box 414 South Yarra 3141

Phone 9544 1222; 054 264 444

008 011 842 free call

Mr Peter Rose (Manager Sales & Recycling)

GLASS

ACI Glass Packaging

Booker Street Spotswood 3105

Phone 9392 4211

Preston Bottle Depot (PBD)

426 Barry Rd. Coolaroo

Phone 9302 2255

Paul Bourke/ David Bourke

PBD provide three 44-gallon drums to commercial premises. PBD will collect from locations in the north, northwest and as far east as Heidelberg. They will collect from further away as long as there are commercially viable quantities- this needs to be negotiated.

Recyclers of Australia

Lot 8 Dohertys Rd Laverton 3026

Phone 9369 7477

HDPE (MILK BOTTLES)

Brickwood Holdings Pty Ltd
 3 Brixton Rd Cheltenham
 Phone 9584 5211

Full Cycle Plastics
 Phone 9584 5211

Kemcor
 231 Maidstone St Altona
 Phone 9369 2266

LIQUID PAPERBOARD (MILK AND FRUIT JUICE CARTONS)

Association of Liquid Paperboard Carton Manufacturers Inc
 GPO Box 1469N Melbourne 3001
 Phone 9698 4484
 Martin Drerup

Food Plus (drop-off facility)
 Gladstone Ave (cnr St. Georges Rd) Northcote
 Phone 9486 1114

502 Plenty Road Preston East
 Phone 9470 2280

Pleasant Road (cnr High St) Thomastown
 Phone 9465 0116

PET

ACI Petalite
 13- 15 Joel Crt Moorabbin
 Phone 9555 1979

Smorgon Plastic Recycling
 433 Somerville Road West Footscray 3012
 Phone 9316 5454

BRICKS

Paddys Bricks
 200 Kensington Rd Footscray
 Phone 9687 2338; 9687 1986

BUILDING MATERIALS

Pace Demolitions Pty Ltd
 13 Kim Close Bulleen
 Phone 9850 9226

Suburban Demolition and Excavations Pty Ltd
 213 Newlands Rd Coburg 3058

Phone 9354 3345 (supply materials)

Timbs Demolition and Salvage
215 Newlands Rd Coburg 3058
Phone 9459 8758 (supply materials)

CARDBOARD/ PAPER

A. Alron Waste Paper Pty Ltd.
331 Station St. Thornbury
Phone 9480 2827

Active Paper Recyclers
77 Sutton St North Melbourne
Phone 9820 0786

Australian Paper Chase
626 Heidelberg Rd. Alphington
Phone 9490 3121 1800 819 000 free call

Collections premises west of Hume Highway:

Andrew Vandervorm
Mobile 041 113 36 13

A representative is sent out to companies to discuss arrangements for recycling. Equipment (bins or another appropriate vessel) is provided free of charge, and the company calls Australian Paper Chase when the bin is full. The pick-up is free but there is a minimum amount of material which must be collected, which is equivalent to four 240-litre mobile garbage bins (MGBs) a month (two pickups a month of two MGBs. If this minimum amount is not met, there is a service fee of \$30 per month. There also needs to be truck access to the collection premise.

Amted Contractors
20- 30 Baldwin Road Altona North Victoria 3205
P.O. Box 372 Kew 3101
Phone 9369 1947 Fax 9369 6578
Edward Little Mobile 018 356 790

Amted collect and recycle a variety of different types of paper. Those collected are: cardboard, old books, telephone books, office stationery, newspapers, magazines, and a "Certificate of Destruction" is available if required. Sorting into different paper types is not required. A variety of equipment is provided for storage of materials, such as: steel bale frames, rear loading hydraulic compactors, 31-metre dinosaur exchange bins, stationary packers, wool bale exchange systems, wire sided tipper trucks and 240-litre wheelie bins.. Some collections are supplied at no cost, some at some cost, and some companies are paid for recyclables collected. Magazines, newsprint, phone books and junk mail are collected in 3- 4 tonne loads to be paid at a rate to be negotiated.

Bell's Recycling
12 Cameron Rd Broadford 3658
Phone (057) 841 613 Fax (057) 843 356
David Bell/ Bernadette Cornfoot Mobile (015) 867 004

Commercial collection of cardboard is provided on a weekly, fortnightly or monthly basis. It needs to be flattened and free of contamination.

For schools a bale and bale stand is provided and collected free of charge

Evergreen Recycled Paper Pty Ltd
 9- 11 Plummer Rd North Laverton
 Phone 9315 1633 Fax 9315 1567
 Allen Wilkins

All grades of paper are collected. A representative is sent out to a site for advice on recycling arrangements. A variety of containers can be provided, such as bail bags, 240-litre mobile bins, or 30 metre bins. The cost is dependent on the characteristics of the site and is determined by a site visit from a representative.

Express Paper Salvage
 13 Wilton Place Westmeadows
 Phone 9309 5584

Production Packaging Industries
 3 Linmax Crt Laverton
 Phone 9369 8000

Visy Recycling
 52 Glenelg St. Coolaroo
 Phone 9302 9290

Rod Laurence Mobile 019 930 110

Visy collect cardboard and office paper. They also provide a security paper destruction service. A variety of containers can be bought or hired from Visy. These range from wool bales, to baling units, to compactors. For offices, individual desk trays are supplied, as well as floor boxes for areas of higher paper generation, such as next to photocopiers.

For small premises, mobile garbage bins (MGBs) are available for paper storage and collection. There is a deposit of \$50 per MGB, with a requirement of two bins minimum. Collection is free and on a designated day or on an on-call basis.

CHEMICALS

Envirochem Technologies Pty Ltd
 13 Killara Rd Campbellfield
 Phone 9357 0424 Fax 9357 0391
 Mobile 018 99 3829 018 99 3830
 Michael Pola

Envirochem Technologies collect and dispose of prescribed chemical wastes through E.P.A. Schedule 4 regulations. The following are recycled: laboratory chemicals, industrial chemicals ie solvents, drums and containers. Chemicals which are collected and disposed of are: pharmaceuticals, pesticides, herbicides and household chemicals. Charges are dependent on the types and amounts of chemicals.

CONCRETE

Alex Fraser Pty Ltd
 Phone 9646 1934

CFR Ferro Group Pty Ltd
 14 O'Connor St Brunswick West 3055
 Phone 9388 2616

Recycling Industries

253 Dohertys Rd Laverton North
 Phone 9646 1934 9360 9444

COOKING OIL

Argus Recycling
 60- 62 Ordish Rd Dandenong
 Phone 9706 5071
 Grease trap cleaning and collection of oils and fats.
 Auscol
 P.O. Box 227 Footscray 3011
 Phone 9689 4724 Fax 9689 5552
 Peter Kerr Mobile 015 834 039

Hines Waste Australia
 29 Mologa Rd Heidelberg West
 Phone 9457 6366 Fax 9459 6790
 Hines Waste Australia offer grease trap cleaning and collection of oils and fats.

DRUMS

Ideal Drum Company
 3 Wandarri Crt Cheltenham
 Phone 9583 9244
 Mobile 018 05 5888
 Drum reconditioning

Quality Drum Service
 Lot 2, Miller St Epping
 Phone 9401 5841

GLASS- WINDOWS, WINDSCREENS AND MIRRORS

Potters Industries Pty Ltd
 Lot 4 Boundary Road
 Laverton
 Phone 9314 7555
 Fax 9315 1601

GREEN WASTE

Bolinda Road Landfill Site
 Bolinda Road Campbellfield
 Phone 9359 3813
 The rate is \$16.00 per tonne for tonne for commercial premises.

Ecos
 2 Park Dve Bundoora
 Phone 9458 3333

Hume City Council Tree Mulching Days
 (for residents and ratepayers of Hume City Council)
 Phone 9205 5430

A maximum quantity of 5 m³ of green waste is permitted. Wire, grass clippings, thorns, bracken or foreign material are not allowed.

MossRock Garden Supplies
276 Mahoneys Road Thomastown 3074
Phone 9460 3380

Noveco Pty Ltd
R & D Park Centre Latrobe University
Phone 9458 3333
Mr. Russell Joshua

Sunbury Landfill Site
Riddell Road Sunbury
Phone 9744 2974
The charge is \$16.00 per tonne for commercial properties.

The Green Centre
Stadium Drive Keilor Park 3042
Phone 9331 5300

W.M. Mulch & Composting
10 Macquarie Pl Boronia
Phone 9720 4644

Worms 'R' Us
384 Bridge Rd Richmond
Phone 9428 9944 Fax 9428 1822
Graeme Lewis

METAL

A.B.S. Metal Recyclers
Lalor
Mobile 018 58 4674

Affinity Metals Pty Ltd
430 Victoria St. Brunswick
Phone 9388 1955

Associated Metals Pty Ltd
73- 75 Banbury Rd Reservoir
Phone 9462 1323
Aluminium, brass, copper and non ferrous metals are collected. There is a free bin service.

Commercial Metal Recyclers
82a Maffra Street Broadmeadows
Phone 9302 1133

Hitechnology Metal Recyclers
20- 24 Dennis St Campbellfield
Phone 9305 4611

Industrial Recyclers
31 Anderson Rd. Thornbury
Phone 9484 3699

Kane Scrap Metals
15 Bell St. Preston East
Phone 9484 4561

MRI (Aust) Pty Ltd
Hitechnology Metal Recyclers
20-24 Dennis St. Campbellfield
Phone 9305 4611

Philann Metals
28 Louvain St Coburg 3058
Phone 9350 1303 (purchases metal for recycling)

Simsmetal Pty Ltd
1904 Hume Hwy Broadmeadows
Phone 9357 9188

OIL

Environmental Oil Ltd
Short St Essendon Airport
Phone 9379 7285

Oilclean Services Pty Ltd
46- 48 Assembly Drive Tullamarine 3043
Phone 9338 1356

Statewide Used Oil Collection Service/ Tri-State Oil Pty Ltd
236 Ballarat Rd Braybrook
Phone 9318 4400

ORGANIC WASTE

Adrian Johnson
ABJ Industries Australia
Outlook Drive Glenroy
Phone 9306 9548 Mobile: 014 021 739

ABJ Industries will collect many types of organic waste such as fruit and vegetables, bread, grass clippings, flower prunings, crushed ice-cream cones, coffee grounds, shellfish waste, straw products, sawdust, newspapers and cardboard (which can be soiled). Most organic waste, however, needs to be collected daily, except for bread. Companies need to store their waste in a separate bin for collection, and the charge depends on the quantity collected, and the location of collection. A rough estimate for collection is between \$5.00 and \$8.00 per cubic metre.

Liquid Solutions
11b Chaffey St
PO Box 547 Thomastown 3075
Phone 9462 2511 Fax 9460 6702

Liquid Waste Treatment and Recycling

Regrow Pty Ltd

Mark Nicholl

PO Box 547 Thomastown 3075

Phone 9462 1822 Fax 9460 6702

Waste minimisation and composting services for liquid waste. This is treated by the company "Liquid Solutions". Organic and industrial liquid waste is taken for treatment. The waste generator needs to arrange transport to the site. Charges depend on the costs of removal and transport.

Worms 'R' Us

384 Bridge Rd Richmond

Phone 9428 9944 Fax 9428 1822

Graeme Lewis

Worms 'R' Us are able to design a system to suit the needs of any large scale waste recycling. Whether they be labour intensive or more mechanised systems Worms 'R' Us are able to supply the most up to date technological assistance and information.

POLYSTYRENE

Classic Everwood Profiles Pty Ltd

Phone (049) 561 031

PLASTICS

Amtd Contractors

20- 30 Baldwin Road Altona North Victoria 3205

P.O. Box 372 Kew 3101

Phone 9369 1947 Fax 9369 6578

Edward Little

Mobile 018 356 790

Amtd collects recyclable plastic such as stretch wrap, film wrap and pallet wrapping. A variety of equipment is provided for storage of materials, such as: steel bale frames, rear loading hydraulic compactors, 31-metre dinosaur exchange bins, stationary packers, wool bale exchange systems, wire sided tipper trucks and 240-litre wheelie bins. Some collections are supplied at no cost, some at some cost, and some companies are paid for recyclables collected.

Auseon Australia

Kororoit Creek Rd Altona

Phone 9360 0899 Fax 9369 7585

PVC recycling.

Heron Plastics Pty Ltd

29 Elizabeth St Newport

Phone 9391 1139

Keith Mataafe Mobile 018 35 8580

Huntsman Chemicals

PO Box 62 West Footscray 3012

Phone 9316 5316

Mr. R.G. Scheele (Market Team Manager)

ICI Plastics
 1 Nicholson St Melbourne
 Phone 9665 7111
 PVC recycling

Plastics and Chemicals Industries Association (PACIA)
 Level 4/ 380 St. Kilda Rd Melbourne
 Phone 9699 6299

Plastic Recyclers
 29 Elizabeth Street Newport 3015
 Phone 9391 1139

Plastics Recycling Consultancy
 Factory 3/ 28 Lisa Place Coolaroo
 Phone 9302 3839

Smorgons Plastics Recycling
 433 Somerville Road West Footscray 3012
 Phone 9316 5316
 Mixed plastic recycling

Wibotoba Plastics Pty Ltd
 Cnr Rosamond Rd & Mephan St Footscray
 Phone 9318 3044 Fax 9317 9907
 LDPE/ HD/ PP/ Nylon collected.

RUBBER

Embelton Ltd
 147 Bakers Road Coburg 3058
 Phone 9350 2811; 9350 2088

Encore Rubber Technologies
 Private Bag 48 Campbellfield 3061
 Phone 9305 2585
 Mr. Tom Quick, Manager for Crumb

STEEL

BHP Steel
 356 Upper Heidelberg Road Ivanhoe 3079
 Phone 9458 2700
 Mr David Mulholland Mobile: 015 045 420

Simsmetal
 1904 Hume Hwy Broadmeadows
 Phone 9357 9188

TELEPHONE BOOKS

White Pages TM directories
 BP Service Stations and BP Express stores in the Melbourne metropolitan area.

Bins will remain at BP Service Stations and BP Express stores until the 8th of July, 1996, to coincide with completion of delivery of new directories.

TEXTILES

Bloom Textiles Pty Ltd
130 Dynon Rd Kensington
Phone 9376 1001

Pioneer Textiles Pty Ltd
97 Rose Street Fitzroy
Phone 9419 4658

TIMBER

Friends of the Earth
312 Smith St Collingwood
Phone 9419 8700
Timber re-use

MossRock Garden Supplies
276 Mahoneys Road Thomastown 3074
Phone 9460 3380

Recycled Woodworks
70 Saxon St Brunswick
Phone 9380 6184

TONER CARTRIDGES/ PRINTER RIBBONS

Australian Toner Cartridges
152- 160 Miller St West Melbourne
Phone 9329 9099 (printer ribbons & ink refill cartridges)

Lighthouse Cartridge Recycling
201 High St. Prahran
Phone 9529 2911

Lighthouse Cartridge Recycling have a joint venture with the Royal Victorian Institute for the Blind and Quality Cartridge Recyclers.

Toner Cartridge Recycling
320- 324 Wellington St. Collingwood
Phone 9419 6566

Toner Charge Plus
2 Mayfield St Abbotsford
Phone 9357 2258

Toner Express (Aust'asia) Pty Ltd
428 Johnston Street Abbotsford 3067
Phone 9417 5255

Westbury Office Supplies
10 Bond St Abbotsford
Phone 9427 9155 (printer ribbons & non-recyclable cartridges)

TYRES

Blackforest Tyres
Phone (054) 272 693
Jim Flormell

Tyre Cycle
30 Encore Avenue Somerton
Phone 9305 2585

WHITEGOODS

Miles Ice Refrigeration and Airconditioning
10 Bowen Street
Moonee Ponds
Phone 9326 2552

Ms Nancy Vits

Miles Ice Refrigeration and Airconditioning purchase the following white goods:
fridges, washers, dryers, dishwashers, freezers and commercial units.

OTHER

Recyclers Association of Australia
426 Barry Rd. Coolaroo
Phone 9302 1373

Reverse Garbage
1b Wingfield St. Footscray
Phone 9687 3484

WASTE EXCHANGE REGISTER

The purpose of this register is to put businesses which require a certain waste type in touch with businesses which have this material in their wastestream, or for businesses which have certain materials in their wastestream to make them available to others (ie helping supply and demand meet). In the field of waste minimisation, it makes more sense to reduce or reuse waste rather than put it through a process of being broken down by recycling. Please notify Council if your business wishes to be placed on this register.

SUPPLY

PLANT POTS

Coolibah Nurseries

30 Emu Rd Sunbury 3429

Phone 9744 2818

Mrs Myra Imrie

Plant pots larger than 200 mm (8 inches) are accepted. There is a drop off point for pots at the nursery.

PLASTIC DRUMS

Supply Services Australia

3 Scammell St Campbellfield

Phone 9305 4899 Fax 9305 4073

Geraldine McDonald

Plastic drums/ carboys are 15 to 20 litre, made by Rheem Southcorp, are unwashed and have had dangerous goods stored in them. Some might be slightly damaged or discoloured; they would be suitable for storage of non-hazardous products.

PLASTIC BAGS

Seabreeze Fashions Pty. Ltd

179 Barry Road Campbellfield 3061

Phone/ Fax 9357 0487

John Spiteri

Seabreeze Fashions has clear plastic bags (which are not recyclable) available.

DEMAND

TIMBER

Laminex Industries

Trewin St Wendouree 3355

Phone (053) 39 4311 Fax (053) 38 1004

Graeme Allan

Timber in good condition is desired ie not rotted. No treated pine or nails.

RECYCLING BIN SUPPLIERS

Bromax Fabrications

P.O. Box 697

3/ 11 Brunston St Bayswater 3153

Phone 9720 5099 Fax 9720 5048

Recycling bins can be designed or adapted to specifications. Adaptations include: rosette, lid or wall insertions.

Commercial Systems Australia

641 Burwood Hwy Vermont South

Phone 9887 4177 Fax 9887 4188

Dean Greesley

Cowan Metal Industries

Cnr Susan & Peel Sts Eltham

Phone 9439 9532

Hydra-Pac Pty Ltd

39 George St Wingfield S.A.

Phone (08) 262 3004 Freecall 1800 064 455

Recycling equipment for glass and plastic bottles, cans, paper and cardboard.

Inwell Products

E.P. Draffin Manufacturing

9 Edelmaier St. Bayswater 3153

Phone 9720 1033 Fax 9720 5508

Bins can be adapted to specifications.

One Stop Garbage Shop

Bulla Road Extension Essendon Airport

North Essendon 3041

Phone 9379 0000 Fax 9379 2036

Rod Beardsworth Mobile 019 350 431

Recycling Collection Containers. Mobile Garbage Bins (MGBs) with rosettes available.

Street Furniture Australia

29 Bourke Rd Alexandria NSW

Phone (02) 310 1488

The company supplies a recycling centre unit in different colours. Signage can be adapted to specifications.

Sulo MGB Australia

Macdonald Engineering (Agent)

4 Paran Place Glen Iris 3146

Phone 9885 8981 Fax 9885 9063

Adrian Enderson (Mobile Garbage Bin sales)

W.E. Jagger

125 Bakers Rd North Coburg 3058

Phone 9354 9162 Fax 9326 6654

W.E. Jagger can manufacture recycling bins according to a design and/ or specifications. They deal with stainless steel, aluminium, brass and copper.

Worms 'R' Us

384 Bridge Rd Richmond

Phone 9428 9944 Fax 9428 1822

Graeme Lewis

The Recyclo Bin, designed by Worms 'R' Us is an extremely effective and very simple way for restaurants, hotels, motels, corporations and government departments to recycle all the organic waste produced and in turn produce value added useful products in the form of both solid and liquid fertiliser. The unit is able to consume up to 50 kilograms of waste each day when working at maximum capacity.

GUIDELINES FOR PUBLIC PLACE RECYCLING

- 1) Recycling bins should always be next to rubbish bins (if they aren't, people will use them as rubbish bins), and there should be the same number of recycling and rubbish bins.
 - 2) Recycling bins should be placed so that they are convenient to use (i.e where drinks are sold and consumed, near entrances and exits), but away from likely sources of contamination (eg fast food outlets selling food and drinks in non-recyclable containers).
 - 3) Recycling bins should be distinct and stand out from rubbish bins even at a distance. (Blue and yellow are the recommended colours. Alternatively choose colours to suit the particular environment, but avoid green or black because they are the typical rubbish bin colours).
 - 4) Signage and labelling should clearly show visually (ie pictures) what can go in the recycling bins.
 - 5) Recycling bins should be locked, with only a small round hole in the lid for bottles and cans.
 - 6) At events or in shopping centres announcements and other promotions can be made.
 - 7) Cleaners, stall holders and traders should be informed about the recycling bins and encouraged to assist (eg by separating materials when cleaning, or by selling drinks in containers that can be recycled).
 - 8) Recycling bins should be emptied regularly.
- (RRRC 1995)

COMPOST BINS/ WORM FACTORIES

Reln Plastics

P.O. Box 82 Minto NSW 2565

Phone (02) 605 9999 Fax (02) 605 9222

Made from 100% recycled plastic and designed to recycle organic waste from the household (specifically kitchen waste).

Worms 'R' Us

384 Bridge Rd Richmond

Phone 9428 9944 Fax 9428 1822

Graeme Lewis

Worms 'R' Us stock a range of products to aid in small scale waste management. These include:

- Reln Worm Factories
- Worms 'R' Us Vermicompost Bins

These units are designed to recycle all organic waste from a household including kitchen, garden, animal and paper waste.

- A wide range of Compost Bins including:

The Reln Compost Bin

The Gardenwise Compost Bin
The Gedye Bin.

PILOT PROJECTS / DEMONSTRATION PROJECTS / CASE STUDIES

One of the most useful ways to get ideas for minimising waste is to tap into projects already undertaken by other organisations. Some of these have been documented, and for those which haven't it is often possible to contact people who have been involved. Such projects can be very valuable for showing what hasn't worked as well as what has. The following are just some of the many projects and contact organisations which are worth chasing up.

Win TV / Corporate Environmental Management / RRRRC

Development of a model waste minimisation strategy, has particular relevance to medium-sized organisations with office-style operations in suburban and rural locations

Report available from RRRRC

Victorian Automotive Industry Training Board / Innovative Workplace Services / RRRRC

Development of waste minimisation strategies by three suburban automotive component companies; includes the establishment of an environmental training module in the Vehicle Industry Certificate course for production workers

Report available from RRRRC

Colliers Jardine / Corporate Environmental Management / RRRRC

Development of a model waste minimisation strategy for multi-tenanted commercial premises

Report available from RRRRC

Fletcher Construction Australia / RRRRC

Development of a waste minimisation strategy

Report available from RRRRC

Linfox Distribution Group / Corporate Environmental Management / Victorian Environmental Education Council

Development of an environmental strategy

Report available from RRRRC

Parkroyal on St Kilda Road / Corporate Environmental Management / Victorian Environmental Education Council

Development of an environmental strategy

Report available from RRRRC

Doutta Galla Community Health Services Inc / Corporate Environmental Management / RRRRC

Development of a model waste minimisation strategy for a local community health service; includes the potential role of health service personnel in waste and litter education

Report available from RRRRC

Caravan parks at Ocean Grove and Tidal River / RRRRC

Development of approaches for waste and litter minimisation in caravan parks/camping areas

Report will be available from RRRRC when project is complete

RMIT / RRRRC

Development of a model waste minimisation strategy for an educational institution

Report will be available from RRRC when project is complete

Victorian Environmental Education Council / Gould League of Victoria

A large number of demonstration projects (many involving local government and local communities, and covering waste and related topics) were funded by VEEC from 1990-94.

A report on 55 selected projects from VEEC and elsewhere, entitled "We Can Do That", is available from the Gould League.

Sydney Road traders / Merri Creek Management Committee / RRRC

Development of a "Considerate Business Scheme" suitable as a model for other retail locations; involves traders being able to promote themselves as an accredited "Considerate Business" by agreeing to follow certain criteria for minimising waste and litter

Report available from RRRC

City of Greater Dandenong / RRRC

Shopping centre litter and waste minimisation project

Report will be available from RRRC when project is complete

Monash University / RRRC

Project to identify opportunities and methods for waste minimisation through research and consultation with centre management and tenants of Chadstone Shopping Centre

Report available from RRRC

Preston Market / MCMC / RRRC

Development of approaches for waste and litter minimisation for tenants and customers at a local market

Report will be available from RRRC when project is complete

CONSULTANCY SERVICES

Waste Audits/ Assessments

Staff Education

BFI Waste Systems

252 Rex Rd Campbellfield
 Phone 9305 3235 Fax 9305 3132
 Waste Audit Services

Burgess Waste Management Services

72 Pipe Rd Laverton North
 Phone 9369 6055 Fax 9369 6588
 Environmental Audit Service; Consultancy

CMPS & F

390 St. Kilda Rd Melbourne
 Phone 9272 6666 Fax 9272 6611
 Tony Aiezza
 Consulting Engineers

Collex Waste Management

2 McDonald Rd Brooklyn
 Phone 9314 5588 Fax 9314 9737
 Waste Audit Services

Corporate Environmental Management (CEM) (Environmental Consultants)

Suite 806/ 81 Queens Rd Melbourne
 Phone 9525 1900
 Anne-Marie Devine and Neil Houghton
 Mobile 015 36 9294

CEM's objective is to assist organisations to operate in an environmentally responsible manner, with reduced operating costs, and with the complete support of staff from all levels of the organisation. They utilise both technical and behavioural approaches in facilitating waste minimisation. They offer assistance in the implementation of comprehensive Waste Minimisation Strategies. Assistance in development of the following is also available: Environmental Management Systems, Environmental Best Practice Policy documents, Emergency Response Procedures, and comprehensive environmental assessments.

Earth Encounters

Jells Park Visitor Centre Glen Waverley
 PO Box 4398 Mulgrave 3170
 Phone 9574 8444 Fax 9574 8044

Earth Encounters provides a combination of environmental education programs and an environmental consultancy service. There are two core areas of the business: provision of quality environmental education programs and outdoor activities for schools, groups, families and tourists, as well as environmental consultancy including development of education programs and kits, management plans etc. and provision of temporary Ranger Personnel.

The following rates apply until 30 June 1997 at venues within 50 kms of the C.B.D:

- Interpretation/ education projects- ie education resource kits \$20/ hour

- Education Program Development- initiate and develop environmental education programs, trial and review of environmental education programs etc \$23/ hour
- Environmental Project Personnel- i.e. management plans \$25/ hour

Expense Reduction Analysis

Phone 9499 4125

Randall Brouillette

Expense Reduction Analysis takes an integrated approach to waste minimisation and environmental management, through co-ordination of specialists for the client's needs. The approach taken for waste minimisation involves firstly, an audit to identify problems and secondly, the presentation of solutions. The charge is on a Contingency Fee Basis, which means that there is a charge only if savings are made. The savings are generally split 50% between the client and Expense Reduction Analysis. Other services are on a fee-for-service basis. The company keeps a database of suppliers which sell environmentally friendly products- these are linked to clients' needs. There is a strong focus on developing a relationship with the client over time. Staff training can be arranged through Expense Reduction Analysis for all levels of staff.

Green Innovations

195 Wingrove St Fairfield 3078

Phone & Fax 9486 4799

3 Madden Grove Kew 3101

Phone & Fax 9853 9983

Philip Sutton

Green Innovations take on the goal of achieving global and local sustainability as one of its top objectives and as a significant area of opportunity. They offer services in implementing an environmental management system that promotes active and effective sustainability seeking. They also work to ensure that when products and services are developed or modified to meet the needs of the active users that they are also designed to serve the needs of the local community, people locally, future generations and nature. They can therefore offer services in changing primary activities or products to foster sustainability.

Infotech Research

17 Clowes St South Yarra

9867 7446

John Cumming

Infotech specialises in technical advice, systems for environmental communication and management consulting for environmental management and waste minimisation. They offer advice in technical as well as behavioural aspects, combining communication approaches with technology. The focus is on coaching rather than report writing. Workshops are run with companies and these are tailored towards all levels of staff. While technological changes are useful, they also advocate common sense and quantitative measurement in facilitating waste minimisation.

Jacana Consulting

PO Box 21 Mortdale 2223

Phone (02) 585 9041 Fax (02) 585 9047

Bob Miller

Jacana Consulting have developed a software model which is an auditing tool for use in waste minimisation. It contains Performance Indicators which measure progress. The package is also able to evaluate overall environmental performance. Training in data entry and analysis is offered, or Jacana Consulting can enter the data in (at a charge).

Merri Creek Management Committee

2 Lee St. East Brunswick 305

Phone 9380 8199 Fax 9380 6989

Janine Lawrie

Waste Assessments and Staff Education

Sustainable Solutions Pty Ltd

47 Prentice St Elsterwick

Phone 9528 1957; Fax 9593 1580

Peter Brotherton and Alan Pears

Sustainable Solutions specialises in the development and implementation of waste minimisation and energy efficiency strategies, and environment management systems and action plans. Clients have varied in size from RMIT (environmental audit), Commonwealth Environment Department (environmental review and action plan) and City of Doncaster and Templestowe (waste management strategy) to child care centres and individual household. Methodology is based upon active interaction with clients to promote ownership and robustness of outcomes. They have an established reputation for developing innovative educational materials, including interactive software packages (eg the Australian Home Greenhouse Scorecard).

Vox Bandicoot

5 Railway Place Fairfield

Phone 9489 0855 9489 0239

Environmental Communications. Specialise in education services to encourage waste-conscious attitudes and understanding in the workplace; services include a humorous drama performance (“Sideshow Sustainable”) and development of catchy and entertaining information materials.

Worms ‘R’ Us

384 Bridge Rd Richmond

Phone 9428 9944 Fax 9428 1822

Graeme Lewis

Worms ‘R’ Us are able to design a system to suit the needs of any large scale recycling. Whether they be labour intensive or more mechanised systems Worms ‘R’ Us are able to supply the most up to date technological assistance and information.



Northern Industry Environment Group

C/O- W. R. Grace Australia Limited
 1126-1134 Sydney Road
 Fawkner, Victoria, 3060, Australia

Phone: (03) 9358 2205
 Fax: (03) 9357 1221

NORTHERN INDUSTRY ENVIRONMENT GROUP

MISSION STATEMENT

The Northern Industry Environment Group is a local Industry Group concerned for the environment of Melbourne's northern suburbs.

The Group is working to improve the local environment through:

- a) Encouraging environmental responsibility and improvement within member industries;
- b) Exchanging environmental expertise between group members and government authorities;
- c) Communicating environmental performance and achievements to the community.

NIEG has been operating since September 1992 and has been involved in projects aimed at improving the local environment. In 1994, an Environmental Education Officer was appointed for a 12 month period on a project designed to increase the level of environmental awareness within the local community.

This year, in conjunction with the Recycling and Resource Recovery Council (RRRC), and Education Officer has been appointed to assist different sectors of the community- schools, industry and shopping centres, with waste minimisation. If you are interested in finding out more about NIEG or would be interested in becoming a member, do not hesitate to contact David Blyth on 9305 0352.

Information sheets on some of the member companies are attached.

ERICSSON AUSTRALIA PTY LTD

COMPANY PROFILE:

Located:

61 Riggall Street, Broadmeadows

Employs:

2,200 people

Nature of Industry:

Telecommunication manufacturer and supplier

Telecommunication equipment, both public and private

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Awards:

SEC Energy Efficiency Award

Main areas of improved environmental practice:

*** staff training**

Dangerous goods training- health, storage and handling

*** waste management**

Chemical waste sharing in industry

Chemical recycling

Product recycling

*** energy saving**

Introduction of natural gas

*** water quality**

Effluent treatment plants

*** greening**

Vegetation program within Ericsson

*** others**

Elimination of all ozone depleting substances.

EXAMPLES OF SPECIFIC INITIATIVES:

Environment Management Systems

Eliminating Environment Damaging Processes

“Chemsafe”

Contact:

Robert Jurman

Telephone: 9301 1383

FORD MOTOR COMPANY AUSTRALIA PTY LTD

COMPANY PROFILE:

Company history:

Located at the site for 36 years.

Located:

1735 Sydney Road, Campbellfield

Employs:

4,000 people in Campbellfield

Nature of Industry:

Motor vehicle manufacturing

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Participation in accreditation/ standards programmes:

All suppliers and manufacturing facilities must comply with Q1 requirements.

Participation in "Cleaner Production" programme.

Awards:

National Energy Award 1994

Clean Water Award

Main areas of improved environmental performance:

*** waste management**

Paper Recycling-	office paper and cardboard investigating possibilities in the manufacturing area of the plant
Solid Waste Recycling	plastic film, other plastics, paper, cardboard and general waste sorted for recycling where possible prior to disposal
Wood Recycling	some wood from imported boxes is recycled

*** energy saving**

Energy use on site was identified and investigated. Findings of the investigations were used to determine actions to follow the audit. The high users of energy were identified and methods for energy reduction were investigated.

Overall the electricity cost per car has been reduced by 23%.

Gas consumption has been reduced by 75%.

*** water quality**

Continuous monitoring and discharge of waste to sewer.

Ongoing awareness and monitoring of water to stormwater system.

Compliance with E.P.A. and Melbourne Water requirements.

*** greening**

Tree planting along Hume Highway in conjunction with local schools and council Greening project.

EXAMPLES OF SPECIFIC INITIATIVES:

Energy saving audits

Contact:

Carney Doyle

Telephone: 9359 7094

HENKEL AUSTRALIA PTY LTD

COMPANY PROFILE:

Company history:

Henkel Australia Pty Ltd is wholly owned by Henkel KGaA Germany. It has been on the Broadmeadows site for 20 years.

Located:

83 Maffra Street, Broadmeadows

Employs:

62 staff

Nature of Industry:

Chemical industry. Make specialty, component ingredients for the cosmetic, mining, agriculture, paint, paper and textile industries.

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Awards:

ISO- 90002 This is a recognised international quality system for

Main areas of improved environmental performance:

* staff training

Holmesglen Chemical Operators Certificate; includes Environment Module

*** waste management**

A new DAF (Dissolved Air Flotation System) to improve quality of waste water.

EXAMPLES OF SPECIFIC INITIATIVES:

Landscaping planned. It is anticipated that high quality recycled water will be used to water this landscape.

Contact:

Errico Colaci

Telephone: 9309 5188

HINES WASTE

COMPANY PROFILE:

Company history:

Hines Waste is a specialist, environmentally conscious, customer focussed liquid waste transporter. The company was founded in 1980 by Garry Hines and is Australian owned and operated. In 1993 the business expanded with the acquisition of Easy Greasy Pty. Ltd., another independent liquid waste transporter.

The company is now one of the very few larger independent operators remaining in the industry in Victoria, where many competitors have amalgamated into large, overseas owned waste conglomerates.

The company provides a 24 hour EMERGENCY SERVICE and is committed to providing professional quality waste management and collection, ensuring the disposal is totally compliant with all government and E.P.A. regulations.

Located:

29 Mologa Road, West Heidelberg 3081

Employs:

11 staff in the areas of management, administration and transport.

Nature of Industry:

Liquid Waste Management and Disposal

- Fleet of modern, specially designed and built, E.P.A. permitted vehicles- volumes ranging from 1,200 litres to 12,500 litres.
- Ability to service all locations including high rise and sub basement.
- Maintains a comprehensive 24 hour emergency service seven days a week, 365 days per year.
- Hines Waste will provide the most cost effective liquid waste management and disposal service available.

Memberships:

- Victorian Waste Management (VWMA)
- Northern Industry Environment Group (NIEG)

ENVIRONMENTAL PROGRAMMES

- Work strictly within Environment Protection Authority Regulations, governing Prescribed Waste and keep up to date with changes in the Regulations to ensure total compliance in our operations.
- Support the E.P.A. waste minimisation policy and work closely with clients to reduce, reuse or recycle their wastes.
- Accredited Agents of the E.P.A.
- Liaise closely with City West Water, Yarra Valley Water and South Eastern Water with the implementation of their Greasy Waste Programs.
- Operate under the Victorian Waste Management Association's strict Code of Practice for the Industry.

PARTICIPATION IN ACCREDITATION/ STANDARDS PROGRAMS:

Hines Waste Australia Pty. Ltd. is committed to the implementation of a business improvement program capable of providing an appropriate externally certified quality system. This program will commence in 1996 through the Australian Quality Council (AQC).

In addition Hines Waste Australia has commenced work to achieve certification through the Health and Safety Organisation, Victoria's SafetyMAP (Safety Management Achievement Program) Program.

EXAMPLES OF SPECIFIC INITIATIVES:

Maintenance of a special relationship with Liquid Solutions Pty. Ltd., an E.P.A. licensed Schedule 4, Independent, customer focused liquid waste treatment plan.

Working closely with clients to reduce, reuse or recycle their wastes.

Contact:

Greg Scholes

9457 6366

KODAK (AUSTRALASIA) PTY LTD

COMPANY PROFILE:

Company history:

Plant constructed at Coburg site in 1958

Located:

173 Elizabeth Street, Coburg

Employs:

Approx. 2,500 Australia wide.

Nature of Industry:

Photographic and Electronic imaging. Produces 35mm color film, X-ray film, graphic arts film, color paper and photographic processing chemicals for Australian and S.E. Asian markets.

ENVIRONMENTAL PROGRAMMES

- Membership of Northern Industry Environment Group
- Membership Australian Chamber of Manufactures (ACM) (Environment & Hazardous Goods Working Group)
- Membership of Plastics & Chemicals Industries Association (PACIA) (Responsible Care Program)

Awards:

- Winner of the Inaugral Australian Quality Prize in 1992
- Attained ISO 9002 Quality Certification in 1994

Main areas of improved environmental performance:

*** staff training**

Management and operational staff training covers general and specific environmental issues and responsibilities.

*** waste management**

- Many liquid and solid wastes minimised, continuous improvement in place, development of waste management plans.
- Metal, cardboard, office paper, and plastic recycling systems in place. Some packaging materials recycled internally.
- Send Single Use Cameras (SUCs), waste film/ paper back to USA for recycling.

*** water/ air quality**

- Yarra Valley Water trade waste agreement in place.
- Routine monitoring of trade waste and stormwater discharges.

EXAMPLES OF SPECIFIC INITIATIVES:

- “Environmental Care” Policy developed for company operations.
- Development of Industry Code of Practice ie “Photographic Uniform Regulations For The Environment” (PURE), aimed at minimising the impact of photographic processing on the environment.
- Implemented system for better management of “chemically contaminated packaging” wastes.

Contact:

Ronald Guest

Telephone: 9353 3247

NESTLE CONFECTIONARY LTD

COMPANY PROFILE:

Company history:

The site was established in Campbellfield in 1962 by Rowntree Hoadley.

Located:

1585 Hume Highway Campbellfield

Employs:

560 staff

Nature of Industry:

Manufacture of confectionary products

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Main areas of improved environmental performance:

*** staff training**

Training of staff in awareness of environmental issues is ongoing. External training programmes (run by Gas and Electricity supply companies) are attended by both factory and project engineers.

*** waste management**

Materials recycling includes sugar waste to a pig farm and cardboard packaging waste to Visy Board plant.

*** energy saving**

Efficiency improvements of major electrical users i.e. reduction in greenhouse gas emissions.

*** water quality**

Consultants have analysed and measured discharge to the sewer. Appropriate treatment and monitoring has commenced.

*** greening**

Site entrance has good landscaping. Tree plantation on vacant block is planned in conjunction with the council Greening programme.

*** atmospheric**

Elimination of ozone unfriendly substances. Refrigeration plants- elimination of Freon gas and eventual replacement with Ammonia which is ozone friendly.

EXAMPLES OF SPECIFIC INITIATIVES:

Investigating waste minimisation for waste currently going to landfill.

Contact:

Tony Wilson

Telephone: 9358 3532

SOUTH PACIFIC TYRES

COMPANY PROFILE:

Located:

Hume Highway Somerton (plus Heyington Ave Thomastown & Cross St West Footsray)

Employs:

6,200 (2,200 in manufacturing) Australia wide.

Nature of Industry:

South Pacific Tyres is the largest manufacturer of pneumatic tyres in Australia.

Manufacturer of tyres for vehicles ranging in size from lawn mowers to earth movers.

Import, export, retreading, wholesale and retail of tyres.

ENVIRONMENTAL PROGRAMMES

South Pacific Tyres is implementing an Environmental Management System across all its operations.

Implementation of formal Environmental Improvement Plans at its Thomastown and Footsray sites.

Revision and improvement of its tyre disposal and recycling program.

Membership of the Northern Industry Environment Group, Australian Council of Recyclers, Australian Scrap Tyre Management Council, MTIA Environment Committee.

Main areas of improved environmental performance:

*** staff training**

Environmental awareness, health, safety and dangerous goods training

*** waste management**

Both solid and liquid waste management plans have been developed with reductions between 15% and 40% achieved.

Work closely with the Encore Rubber Technologies and TyreCycle groups to ensure that scrap tyres are handled responsibly and recycled where possible.

*** water quality**

Pollution control equipment and monitoring procedures are in place to ensure, as a minimum, that the requirements of EPA and Trade Waste licenses.

*** site beautification**

Site beautification will be included in Environmental Improvement Plans

EXAMPLES OF SPECIFIC INITIATIVES:

Installation of Stormwater Shut-Off gates at Somerton Site to prevent stormwater contamination.

Contact:

David Blyth (NIEG Chairman)

Telephone: 9305 0352

VISY PAPER PTY. LTD.

COMPANY PROFILE:

Company history:

Commenced operations at Coolaroo in December, 1987.

Located:

52 Glenelg St Coolaroo

Employs:

2,500 people in the Visy Group in Australia, including Visy Board, Visy Paper, Visy Recycling.

Nature of Industry:

Paper Recycling, Paper Manufacture and Box Manufacture

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Awards:

Banksia Award, 1994

Main areas of improved environmental performance:

*** staff training**

Through seminars and workshops

*** waste management**

Looking at ways of reducing landfill through recycling

*** energy saving**

Continually looking at industry best practice.

*** energy saving and water quality**

Continually looking at industry best practice.

*** greening**

Trees planted on site and in surrounds of site, plus nature strip in Glenelg Street.

EXAMPLES OF SPECIFIC INITIATIVES:

Visy Recycling has passed the 500,000 tonne waste paper collection milestone and has launched a major drive to further increase its waste paper collections.

Contact:

Lyle Forbes

Telephone: 9247 4450 / 015 523 384

W.R. GRACE AUSTRALIA LIMITED

COMPANY PROFILE:

Company history:

Operating at the Fawkner site since 1948, initially in chemicals manufacture, and since expanding into plastic packaging.

Located:

1126 Sydney Road Fawkner

Employs:

850 staff

Nature of Industry:

Specialty chemicals for the container, construction and water treatment industry.

ENVIRONMENTAL PROGRAMMES

Membership of Northern Industry Environment Group

Main areas of improved environmental performance:

*** staff training**

Redeveloped new environmental, health and safety training, which commenced in February 1995.

*** waste management**

A Waste Management Plan has been developed to assess all materials and energy used on site so as to minimise waste.

*** water quality**

Water quality testing to investigate re-use in other parts of plant rather than disposing to sewer.

*** greening**

Environment improvement plan to include aesthetics.

EXAMPLES OF SPECIFIC INITIATIVES:

Cleaner Production Demonstration Programme which result in a 50% reduction in solvent usage in the printing department.