

APPENDIX 9

PENANG ISLAND RECYCLING DIRECTORY

PENANG ISLAND RECYCLING DIRECTORY

A Directory of Agents, Buyers &
Recycling Communities,
in Penang



September 2005

CONTENTS

PREFACE.....	3
RECYCLING AGENTS AND BUYERS	4
CLOTHES.....	4
E-WASTE.....	5
FURNITURE.....	8
GENERAL.....	9
GUNNY SACKS	13
PAPER.....	14
PLASTIC	15
RUBBER.....	16
SCRAP /METALS.....	17
WOOD.....	19
RECYCLING COMMUNITIES	20
CHURCHES.....	20
HOSPITALS.....	21
NGOS.....	22
JKKK.....	24
RESIDENTS' ASSOCIATIONS	24
RUKUN TETANGGA.....	25
SCHOOLS.....	26

PREFACE

The JICA Study Team under the "National Waste Minimisation in Malaysia" wishes to acknowledge the efforts of the Penang Environment Working Group (PEWOG) for developing the first edition of recycling directory of recycling communities, agents and buyers in Penang entitled "THE RECYCLING WHEEL OF PENANG" in early 2005.

This compilation of recycling directory of recycling communities, agents and buyers is for Penang Island only. This directory is by no means exhaustive but will be continually updated from time to time as the network expands.

The JICA Study Team hopes that this edition will also benefit the different stakeholders involved in recycling activities in Penang.

For further information, please contact:

**Recycling Network Unit,
Majlis Perbandaran Pulau Pinang
Jalan Padang Kota Lama
10200 Pulau Pinang
Tel : 04 – 263 3000 Fax : 04 – 263 3036
Email: rnumppp@gmail.com
Website: www.rnumppp.net**

SEPTEMBER 2005

RECYCLING AGENTS AND BUYERS

CLOTHES

APAC Marketing
13,14 Kaw Perindustrian Ringan
Baling, 09100 Kedah
H/P : 019-424 6860
Contact : Mr. Alex Tai

Khoon Sun Trading / Recycle Centre
88, Victoria Street
10300 Pulau Pinang
Tel : 261 9311
H/P : 019 445 9511
Also shoes/ bags

E-WASTE

Asset & Material Management
2005, Ting Perusahaan Satu,
Perai Industrial Estate
13600 Perai
Tel : 04-399 1896
Fax : 04-399 3221
H/P : 016-418 8803
Email : vignesh@amm-co.com
Website : www.amm-co.com
Contact : Mr. Vignesh

Century Surf Sdn Bhd
22, Lintang Bering A,
11960 Bayan Lepas,
Pulau Pinang
Tel : -
Fax: 04 626 6002
H/P: 012 4111 882
Email:solidkh@streamyx.com
Contact: Mr Chng KH

Chung Heng Fatt Trading
TBP 5657 Bagang Lallang
13020 Butterworth Pulau
Pinang
Tel : 04-332 1022
H/P : 012-578 7588
Contact : Mr. Tan Chee Cheng

e.duc.com
250 Lorong Kampung Melayu
11500 Pulau Pinang
H/P:016 483 9610
Contact: The Managing
Director

e.duc.com
252 Jalan Sungai Bakap
14120 Simpang Empat
S Pulau Pinang
H/P: 016 483 9610
Contact: The Managing Director

E.N.S. Kuppusamy Chettiar /Shan
Poonnam Metals Sdn Bhd
42 & 44 Lorong IKS Juru 3
Taman Perindustrian Ringan Juru
14100 Bukit Tengah
Tel : 04-508 4841
Fax : 04-508 4843
H/P : 012-488 2514
Email : enshan@pd.jaring.my
Contact : Mr. S. Selvakumar

EA Enviro Industries Sdn. Bhd
No. 3 Lorong Perda Timur 6,
Bandar Perda
14000 Bukit Mertajam
Tel : 04-621 2502
Fax : 04-621 2506
Contact : Mr. Calvin Yeo

Recycling Industries (M) Sdn Bhd
Lot 7678 Lorong IKS Bukit Minyak
14000 Bukit Mertajam
Tel : 04-5087573, 508 8573
Fax : 508 5573
H/P : 019-466 7656
Email : steven@com.my
Contact : Mr. Steven Choy

5

E-WASTE

HMP Resources (M) Sdn Bhd
2008 Jalan Perusahaan,
Kaw MIEL
Prai Industrial Park,
13600 Prai, Pulau Pinang
Tel : 04-397 3464
Fax : 04-397 3473
H/P: 012 495 9006
Contact : En. Md. Alfee Ahmad

Induslink Marketing
15 Pesiaran Pantai Jerjak 9
11900 Bayan Lepas
Pulau Pinang
Tel : 04-646 0186
Fax : 04-646 0186
H/P : 012-486 0778
Email : syph@tm.net.my

Inter Venture Trading
33, First Floor Jalan Helang
Desa Permai Indah, Sg Dua
11700 Pulau Pinang
Tel : 04-657 8468
Fax : 04-658 8468
H/P : 017-570 8845
Email : lim@int-venture.com.my
Website : www.int-
venture.com.my
Contact : Mr. Lim Soong Leong

IRM Industries Sdn Bhd.
37-H Jalan Batu Maung
11960 Bayan Lepas,
Pulau Pinang
Tel : 04-626 2001, 626 528,
626 2257
Fax : 04-626 1007
Contact :Mr. Goh

Mega Online Computer Marketing
Sdn Bhd
488B-06-02 Midlands Park Centre,
Jalan Burma 10350 Pulau Pinang
Tel : 04-226 4475
Fax : 04-226 4502
H/P : 019-446 9421
Email : datari@pc.jaring.my
Contact : Mr. Y. P. Kheng

Natural Arrangement Sdn Bhd
5835 Mukim 12, Jalan Mahkamah
DBD 11900 Bayan Lepas
Tel : 04- 484 3233
Fax : 04- 484 3232
Email : na@nasbm.com
Website: www.nasbm.com
Contact : Ms Goh

NKH Trading
86 Jalan Gajah, Tanjung Bungah
11200 Pulau Pinang
Tel: 04-891 2888
Fax: 04-891 2887
H/P : 019-449 0572
Email : rosenyg@myjaring.net
Contact : Ms. Rose Ng

Preference Trading Sdn Bhd
79A Lorong Perindustrian Bukit
Minyak 16
Kaw Perindustrian Bkt Minyak
14100 Seberang Perai Tengah,
Pulau Pinang
Tel : 04-507 6462, 04-508 6027/
7112
Fax : 04-507 6027
H/P : 019-445 8313
Email : prefer@tm.net.my
Contact : Mr. Victor Chai C W

6

E-WASTE

Rank Jaya Metals Sdn Bhd
Plot 14, Bayan Lepas Industrial
Estate,
Phase 4, 11900 Pulau Pinang
Tel : 04-645 6618/ 619/ 621
Fax : 04-645 6616
H/P : 04-438 8588
Website : www.rankjaya.com
Contact : Mr. Yeo

Smart Data Information
Technologies
92 Jalan Kota Permai,
Taman Kota Permai,
14000 Bukit Mertajam
Tel : 04-501 2887 / 501 22886
Fax : 04-501 2885
H/P : 012 489 1187
Email : tcpp@pc.jaring.my
Contact: Mr T C Chong

Syarikat Veillasamy
46 Lorong Mak Mandin 5/3, Pusat
Perindustrian Ringan DRB
13400 Mak Mandin
Tel : 04-323 2996
Fax : 04-324 4032
H/P : 019-478 4032
Contact : Mr. S. Veillasamy (Ravi)

FURNITURE

Haji Othmuman Pilay dan Anak
113 Jalan Masjid Kapitan Keling
10200 Pulau Pinang
Tel : 262 7955
Old Furniture

Mei Tatt Antique Sdn Bhd
8, Jalan Pintal Tali
10100 Pulau Pinang
Tel : 04-262 3610
Fax: 262 3610
H/P : 016 477 2399
Contact : Mr Richard Lim

Vcan Collections
113, Lebuh Noordin
10300 Pulau Pinang
Tel : 262 6557
H/P : 012 466 8917
Contact : Cheah Ewe Yeow

Top Maple Enterprise
Lot 439, 441, 442, 444, Sek 23,
NED
Victoria Street, 10300 Pulau
Pinang
Tel : 04-261 7660
Fax : 04-261 7660
H/P : 012-428 5771
Contact : Mr. C S Chen
Also F& B crockery/kitchenware

GENERAL

A.N.R. Nallathambi Chettiar
114 Lebuhr Armenian
10200 Pulau Pinang
Tel : 04-261 5392
H/P : 016-470 6850
Contact : Mr. M. Sandhiran

A.O.M.S. Ganapathy Chettiar
174A Victoria Street
10300 George Town, Pulau
Pinang
Tel : 04-261 3441
Contact: Mr A. Kalidass

Abdul Aziz & Company
Jelutong Dumpsite
H/P : 016 4300014
Contact : Mr Abd Aziz b Md Ali

Alif Teknologi (M) Sdn Bhd
885 Taman Desa Melati
09000 Kulim, Kedah
Tel : 04-484 9325
Fax : 04-484 6881
Contact : Mr. S. Neelamekan

APAC Marketing
13,14 Kaw Perindustrian Ringan
Baling, 09100 Kedah
H/P : 019-424 6860
Contact : Mr. Alex Tai

Atzee Trading
294-6-9, Jalan Perak,
10150 Pulau Pinang
Tel : 04-282 1493
Fax : 04-282 1493
H/P : 012-409 9189/
016-475 7570
Email : atzeetrade@yahoo.com
Contact : Vivienne Choy / Tony

BCV Corporation Sdn Bhd
771-C Kg Nelayan, Teluk Kumbar
11920 Pulau Pinang
Tel : 04-298 0036
Fax : 04-649 3327
H/P : 016-433 4176
Contact : En. Hisham Hamzah

Century Surf Sdn Bhd
22 Lintang Bering A,
11960 Bayan Lepas,
Pulau Pinang
Tel: -
Fax: 04 626 6002
H/P: 012 4111 882
Email:solidkh@streamyx.com
Contact: Mr Ch ng KH

Eden Handicap Service Centre
Bhd
102E Lengkok Kampong Jawa
Kawasan MIEI
11900 Pulau Pinang
Tel : 04-644 2912
Contact : Ms. Peggy Lim

GENERAL

ESH Resource Recovery Sdn
Bhd
Di belakang No. 324,
Mk. 12, Jalan Bharu,
Batu Maung, 11960 Bayan lepas,
Pulau Pinang
Tel : 04-626 5232
Fax : 04-626 2501
H/P : 012-438 9237
Contact : Mr. Lim Yew Hack

ESH Resource Recovery
Sdn Bhd
4988 Lot 527 Mk 13 Disebelah
Kg Juru,
Juru 14000 Bukit Mertajam
Tel : 04-507 9237
Fax : 04-502 1731
H/P : 012-400 1222
Email : eebm@po.jaring.my
Contact : Mr. Lesley Lim

Family Thrift Store (Salvation
Army)
56-D Ground Floor, Perak Plaza
Jalan Perak
10150 Pulau Pinang
Tel : 04-227 9369

Haardass Trading
100 Lebuhr Victoria
10300 George Town, Pulau
Pinang
Tel : 04-261 5278
H/P : 017-563 2779
Contact : Mr. M. K. Haardass

Kamatchi & Co
151 Lebuhr Acheen
10200 Pulau Pinang
Tel : 04-261 4491
Fax : 04- 263 4848
H/P : 012 - 475 3543
Contact : Mr Shammugam

Landcarve Enterprise
610-P, Tanjung Bunga,
11200 Pulau Pinang
Tel : 04-890 4845
H/P : 019-564 4701
Contact : Mr. Ramakrishnan

LHT Kitarsemula Sdn. Bhd.
2-2 Lintang Batu Maung,
11960 Pulau Pinang
Tel: 012-4215126
Fax: 6265840
H/P: 012-4215126
Email: lhtcycle@tm.net.my

Marimuthu Vision Enterprise
322 Jalan Perak
11600 Pulau Pinang
H/P : 012 513 6880
Contact : Mr Marimuthu

Mohd Suhaimin Yusuff
143A Jalan Tanjung Tokong
Lama
10470 Pulau Pinang
H/P : 012-556 8507/
016-400 8706
Contact : En. Mohd Suhaimin
Yusuff

GENERAL

Natural Arrangement Sdn. Bhd.
(Co. Reg. No.: 515873-H)
No. 399, Jalan Kangkong 5,
Taman Kangkong 2,
09600 Lunas, Kedah DarulAman
Tel : 04-4843233
Fax : 04-4843232
Email: gcooi@nasbm.com
Website: www.nasbm.com
Contact: Mr. GC Ooi

North Pearl Recycling
462, Bukit Gelugor
11700 Pulau Pinang
Tel : 655 2462
H/P : 019 421 2655
Contact : Ms Thanam

OK Scrap Trading
74 Jalan Lim Lean Teng
11600 Pulau Pinang
H/P : 012-433 0632
Contact : Ms. Olwin Keh

One Hundred & One Enterprise
74 Lorong Prangin
Georgetown
10100 Pulau Pinang
Tel : 04-263 4003
H/P : 016-507 6547
Contact : Mr Valli

Pinang Mutiara Enterprise
7, Mk 4, Lorong Bukit Pencara
11000 Balik Pulau, Pulau Pinang
H/P: 012 474 1288 /
016 458 4465
Email:
pinangmutiara@yahoo.com
Contact: Mr Chandra Mohan a/l
Arunasalam

Rayflex Enterprise
15-G-16 Bayan Point, Medan
Kampung Relau
11900 Bayan Lepas
Pulau Pinang
Tel: 04-641 1331
Fax: 04-641 3113
Email : rayflex@tm.net.my
Contact : Ms Christy Lai

Rosam Enterprise
2398-C, Permatang Damar Laut
11960 Bayan Lepas, Pulau
Pinang
Tel: 04-626 1519
Fax : 04-626 6105
H/P : 012-474 9771
Contact : En. Rosam

S. Sidambaram Chettiar
89 Lebuhr Armenian
10200 Pulau Pinang
Tel : 04-262 1594

S.D. Vista Agency
97 Weld Quay reclamation area
Georgetown
10300 Pulau Pinang
Tel : 261 7791
H/P : 019-4284171
Email : sdvisia@tm.net.my
Contact : Mr Ramesh

Sakaran Trading
4-4-1 Desa Kolum Ikan
11900 Bayan Lepas,
Pulau Pinang
Tel : 04-642 2418
H/P : 012-487 6481
Contact : Mr. Sadadaven Joseph

11

GENERAL

Sempurna Jaya Enterprise
16-E Jalan Seang Tek
Georgetown
10400 Pulau Pinang
H/P : 016 455 2846
Contact : Mr Jayaraj

SIMA Handicapped Recycling
Centre
16 Transfer Road, Pulau Pinang
H/P : 012-428 6205
Contact : Mr. Jonathan Shaw

Smarrk Trading
205-H Mk12 Jalan Batu Maung
11960 Pulau Pinang
Tel : 04-626 6899
H/P : 019-456 6599
Contact : Mr. K S Too

SMS Vision Trading
170 Jalan Kg Jawa Baru
11900 Pulau Pinang
H/P : 016 478 6965
Contact : Mr Muniandy

Subramaniam Company
7 Lebuhr Victoria
10300 Pulau Pinang
Tel : 04-261 3057

Syarikat Hin
727B Jalan Sungai Dua
11700 Pulau Pinang
Tel: 658 7016
H/P : 019 442 7878
Contact: Mr Ong Nai Hin

Syarikat Narayanan
151 Lebuhr Acheh
10200 Pulau Pinang
Tel : 04-261 3337 / 1622

Syarikat Pandiyan
44 B Lebuhr victoria
Georgetown
10300 Pulau Pinang
Tel : 04-261 3212
Contact : Mr Pandiyan

Dumping Ground Scrap Centre
T1, 1450 Jelutong Barat
George Town
11600 Pulau Pinang
H/P : 012 448 8128
Contact : Mr Mr Lim Kok Lay

VNPR Metal Recycling
Sblh KR 267, Jalan Relau, Relau
11900 Bayan Lepas
Pulau Pinang
H/P : 016 440 5559
Contact : Mr A.R. Balan

12

GUNNY SACKS

M. Ramu Chettiar
8, Gat Leboh Prangin
10300 Pulau Pinang
Tel: 261 4621

AMV Pitchai Chettiar
93 Leboh Armenian
10200 Pulau Pinang
Tel : 04-261 5392
Contact :The Manager

13

PAPER

Central Malaya Paper Sdn Bhd
101D Lintang Kg Jawa,
Kaw MIEL
11900 Bayan Lepas
Pulau Pinang
Tel : 04-646 3415/ 16
Fax : 04-646 3417
Contact : Mr. Gan Hock Aun

Federal Packages Sdn Bhd
391 Jalan Tasek
14120 Simpang Empat, S,
Pulau Pinang
Tel : 04-588 6240
Contact : Mr. Sim Jwee Peng

Gim Gim Enterprise
449 Leboh Pantai
Georgetown
10300 Pulau Pinang

Harta Maintenance Sdn Bhd
38-1-1 Pangsapuri Century
Taman Batu Uban
Jalan Pantai Jerjak Satu
11700 Gelugor, Pulau Pinang
Tel : 04-656 9209
Fax : 04-656 2914
H/P : 019-456 1606
Email : harta@tm.net.my
Contact : Mr. Suresh a/
Balakrishnan

K.S. Secondary Fibre Supplier
Sdn Bhd
984 Jalan Perusahaan,
Kaw Perusahaan Perai
13600 Perai
Tel : 04-390 2266/399 2266
Fax : 04-398 4439
H/P : 019-476 4081
Contact : Mr. Chan Kok Tin

Lim Chin San Enterprise
383 Leboh Pantai
Georgetown
10300 Pulau Pinang
Contact : Mr Lim Chin San

Muda Paper Mills Sdn Bhd
391 Jalan Tasek
14120 Simpang Empat, S Pulau
Pinang
Tel : 04-588 7335
Fax : 04-588 7646

Murugan
25 Leboh Pitt
Georgetown
10200 Pulau Pinang
Tel : 04-262 6054
Contact : S Prem Murugan

14

RUBBER

Frangrace Rubber Tech Sdn Bhd
 Plot 935 Lorong Makmur 13/1
 Taman Makmur Industrial Area,
 Lunas, 09600 Kedah
 Tel : 04-484 1361
 Fax : 04-484 5361
 Contact : The Managing Director

PLASTIC

Plasticycle Industries S/B
 Plot 12 Kulim Ind. Est
 09000 Kulim
 Tel : 04-489 2420
 Fax : 04-489 2414
 H/P : 012-480 9689
 Email : twbung@tm.net.my
 Contact : Mr. Tan Khoon Chuah

Sunnyjaya Industries Sdn Bhd
 Plot 72, Lorong Perindustrian
 Bukit Minyak 14
 Kaw. Perindustrian Bukit Minyak
 14100 Seberang Perai
 Tel: 04-507 3597 / 04-507 3604
 Fax : 04-507 3594
 Email: sunnypsb@tm.net.my /
 sunnypsb@yahoo.com
 Contact: Mr Ong Teng Ngo

Tri Emmanuel Sdn Bhd
 287 Block H, Mk 12
 Jalan Batu Maung
 11960 Pulau Pinang
 Tel : 04-626 3550/ 1855
 Fax : 04-626 4009
 H/P : 012-469 9768
 Contact : Mr. Sam Tan

YB Enterprise Sdn Bhd
 Plot 98 & 99 Jalan Aman 2/2,
 Kaw Industri Taman Makmur
 09600 Lunas, Kedah
 Tel : 04-484 525787
 Fax : 04-484 2288
 H/P : 012-402 7727
 Email : yap@ybggroup.com
 Contact : Mr. Yap Khoon Fatt

Angle Frontier Sdn Bhd
 32 Lorong Seruling 5 Kawasan
 Perusahaan Valdor
 14200 Sungai Bakap
 Seberang Perai Selatan Pulau
 Pinang
 Tel : 04-582 7934
 H/P : 012-492 6373
 Email : anglefrontier@yahoo.com

BeautyPlas Industries
 12A Lorong Teguh 1 Taman
 Industri Teguh
 Permatang Tinggi,
 14000 Bukit Mertajam
 Tel : 04-588 6168
 Fax : 04-588 6194

Domic Industries Sdn Bhd
 3677 Mk 9, Kampung Besar
 Berapit, 14000 Bukit Mertajam
 Tel : 04-539 9943
 Fax : 04-530 4169
 H/P : 019-445 0731
 Email : limah@pc.iaring.my
 Contact : Mr. Lim Ah Huat

EverLantern Trading Sdn Bhd
 LBS 298 Jalan Kuala Ketil
 08000 Sungai Petani, Kedah
 Tel : 04-423 6689
 H/P : 019-474 6859
 Contact : Mr. Aw Chee Yee

SCRAP / METALS

SCRAP / METALS

AMK Palsamy Chettiar
24 Lorong Toi Aka
Georgetown
10100 Pulau Pinang
Tel : 04-262 2965
Contact :

ARR Metals Trading
141 Victoria Street
10300 Pulau Pinang
Tel : 04-264 5002
Fax : 264 5141
H/P : 012 485 8171
Contact : Mr N. Rajoo

ARR Metals Trading
9 Lorong Mak Mandin 5/1
Kaw Perusahaan Mak Mandin
13400 Butterworth
Tel : 04-324 7133
Fax : 04-324 8133
H/P : 012 485 8171
Contact : Mr N. Rajoo

B. Ganason
147G Sungai Tiram
11900 Bayan Lepas Pulau
Pinang

Dhong Shen Scrap Trading
97 Weld Quay
Georgetown
10300 Pulau Pinang
H/P : 012 421 2810
Contact : Mr Dion Tan

Gurusamy Chettiar
126 Lebuh Armenian
Georgetown
10200 Pulau Pinang
H/P : 012 484 0227

Hong Kuan Metals Recycle Sdn
Bhd
925-D Jalan Relau
11900 Bayan Lepas
Tel : 04-643 4691

K Bala Metalis
38 Lebuh Victoria
Georgetown
10300 Pulau Pinang
Tel : 04-263 7706
H/P : 016 483 9743
Contact : Mr Bala

LLS Metal
214 Lebuh Victoria
Georgetown
10300 Pulau Pinang
Tel : 04-263 272
Contact : Mr Thiagerajan

M Ramu Chettiar
120A Lebuh Victoria
Georgetown
10300 Pulau Pinang
Tel : 04-262 1127

17

SCRAP / METALS

Mr Muthu
44, Lrg IKS Juru 3,
Taman Perindustrian
14100 Bukit Mertajam
Tel : 04-5084841
Contact : Mr. Muthu

P Muniandy Enterprise
48 Lebuh Macallum
Georgetown
10300 Pulau Pinang
Tel : 04-262 4204
H/P : 016-487 4370
Contact : Dato P Muniandy

Patrick & Muniandy Enterprise
120 B Lebuh Victoria
Georgetown
10300 Pulau Pinang
Tel : 04-264 4121
Contact : Mr Patrick

RSE Metal Sdn Bhd
126 Armenian Street
Georgetown
10200 Pulau Pinang
Tel : 04-283 5175
H/P : 012 484 0227
Contact : Mr M Selvanathan

S.K.S. Metals
9 Lebuh Victoria 10300 Pulau
Pinang
Tel : 04-262 3846/04-263 4571
Contact : Mr. Krishnan

Sakaran Trading
4-4-1 Desa Kolam Ikan,
Jalan Kolam Ikan
11900 Bayan Lepas Pulau Pinang
Tel : 04-642 2418
H/P : 012-487 6451
Contact : Mr. J Sakajaven

Sri Shan Enterprise
68 Acheen Street
Georgetown
10200 Pulau Pinang
Tel : 04-261 0025
H/P : 012-433 3580
Contact : Mr Shan

Subramaniam Company
7 Lebuh Victoria
10300 Pulau Pinang
Tel : 04-261 3057

Sun Vee Enterprise
672-4E Park Avenue Apt.
Jln Waterfall 10350 Pulau Pinang
H/P : 016-472 3154 /
016-488 6881
Contact : Mr. L. V. Vijay

Syarikat Kumaran
3024 Permatang Pauh Road
13400 Butterworth
Tel : 04-332 8703
Fax : 04-332 1816
H/P : 012-471 1196
Contact : Mr. S. Thiban

18

SCRAP / METALS

Syarikat Mani
123 Jln Timah
10150 Pulau Pinang
Tel : 04-226 2599
Fax : 04-227 6917
H/P : 019-445 8967
Contact : Mr. Muthu Rajoo

Veera Metals
2 Lorong Mak Mandin 5/1
Mak Mandin 13400 Butterworth

VMR Metal Recycling
Sblh KR 267, Jalan Relau, Relau
11900 Bayan Lepas
Pulau Pinang
H/P : 016 440 5559
Contact : Mr A.R. Balan

WOOD

Paamah Store
123 Jalan Timah
10150 Pulau Pinang
Tel : 04-227 5651
Contact :The Manager

RECYCLING COMMUNITIES

CHURCHES

Bayan Baru Methodist Church
28, Jalan Mahsuri, Bayan Baru
11950 Pulau Pinang
Tel: 6438672
Email: pudren@tm.net.my
Contact: Mrs Cheam

Penang Baptist Church,
224, Jalan Macalister
10451 Pulau Pinang
Tel: 228 9161
Email: pbc1953@streamyx.com
Contact: Church Office

Charismatic Church of Penang
136 Jln Sultan Azlan Shah
11900 Pulau Pinang
Tel: 6428727
Fax: 6415095
Email: ccopl@streamyx.com
Contact: Mr Lim

Penang First Assembly of God,
286 Jalan Macalister
10450 Pulau Pinang
Tel:229 6573
Fax: 2296573
Contact: Church Office

Church of Risen Christ,
60A Jalan Air Itam,
11500 Pulau Pinang.
Tel: 828 1025 (Stopped
Recycling)
Contact: Church Office

Penang Presbyterian Church,
24A Lebuhr Codrington
10350 Pulau Pinang
Tel: 2263435
Contact: Church Office

FGA Centre
10 Jalan Air Itam,
11500 Pulau Pinang.
Tel: 8286100

Sik Aun Baptist Church,
8 Jalan Goh Guan Ho
11400 Pulau Pinang
Tel: 828 3304
Contact: Church Office

Email: tgacen@tm.net.my
[http://www.geocities.com/Heartla
nd/Bluffs/3165/](http://www.geocities.com/Heartla
nd/Bluffs/3165/)
Contact: Church Office

Trinity Methodist Church,
16 Jalan Mesjid Negeri
11700 Pulau Pinang
Tel: 828 7445
Contact: Church Office

Georgetown Baptist Church,
14 Jalan Larut
10500 Pulau Pinang
Tel: 228 8013
Email: chanck@gpppg.org
Contact: Mr Chan

Wesley Methodist Church
136 Jalan Burma,
10050 Pulau Pinang
Tel: 2263500/ 2270742/ 2279058
Fax: 2295513
Email: wmcpg@ppjaring.my
Contact: Church Office

HOSPITALS

Hospital Pantai Mutiara
82, Jalan Tengah
11900 Bayan Baru,
P. Pinang
Tel: 64333888
Fax: 6432888
Website: www.pantai.com.my

Island Hospital
308 Macalister Road,
10450 P. Pinang
Tel: 2288222
Fax: 2267989
Email:
hrdept@islandhospital.com
Website: www.islandhospital.com
Contact : Mr. David Wong

Lam Wah Ee Hospital
Jalan Tan Sri Teh Ewe Lim
11600 George Town, P. Pinang
Tel: 6571888
Fax: 6570940
Website: www.hw.com.my
Contact: Ms Cheow Mcoy Chew

Loh Guan Lye Specialist Centre
19 Jalan Logan
10400 P. Pinang
Tel: 2288501/ 2288902 /
2214624
Fax: 2280287 / 2290287
Website: www.lhguanlye.com

Mount Miriam Hospital
23 Jalan Bulian, Fettes Park
11200 Tanjung Bungah,
Pulau Pinang
Tel: 890-7044
Fax: 226-3366
Email: mmiriam@tm.net.my

Penang Adventist Hospital
65 Burma Road
10350 Pulau Pinang
Tel : 04-222 7200
Fax : 04-226 3366
Email :
adventisthealth@pah.com.my
Website: www.pah.com.my

Tanjung Medical Centre
473 Jalan Burma
10350 Pulau Pinang
Tel:04-2262323
Fax: 04-2299008
E-Mail:
tanmed@tanjungmedical.com.my
Website:
www.tanjungmedical.com.my

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Buddhist Tzu Chi Merit Society
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Fax: 226 1013
Contact: En Teoh Ji Xuan

Friends of the Botanic Gardens
Society
673-A, Jalan Kebun Bunga
10351 Pulau Pinang
Tel: 227 9915
Fax: 2279915H/P:
Email: botanika@tm.net.my
Website:
www.surforever.com/botanika
Contact: Officer in charge

Lighthouse Drop-In Centre
52K, Penang Road
10000 Pulau Pinang
Tel: 2638842
Fax: 2283870
Email: light0503@hotmail.com
Contact: Mr. Beleuebdiran
Joseph

Malaysian Nature Society
(Penang Branch)
673-B, Jalan Kebun Bunga
10350 Pulau Pinang
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H/P: 013 4537992
Email: kandakum@tm.net.my
Website:
www.geocities.com/mnspenang
Contact: Kanda Kumar

Penang Caring Dialysis Society
204, Ground Floor, Wisma MCA
Jalan Transfer
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Tel: 2294142
Fax: 2285149
Contact: Puan Linda Moo

Persatuan Rumah Cahaya
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16, Jalan Burmah
10350 Pulau Pinang
H/P : 019 510 6066
Contact : Ms Moo Siew Yoong

Persatuan Nam Hooi Wooi Koon
463 Lebuhr Chulia
11200 Pulau Pinang
H/P: 013 481 7344
Contact: En Chew Yoon Seng

Persatuan Pandu Puteri Pulau
Pinang
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10460 Pulau Pinang
Tel: 2282566
Fax: 2292099
Contact : Puan Yeoh

Spastic Children's Association
425, Jalan Mesjid Negeri
11600 Pulau Pinang
Tel: 6570160
Fax: 6563066
Email : jmm@streamyx.com

St. Joseph's Home
52-K Penang Road,
10000 Pulau Pinang.
Tel : 2635418
Fax : 04- 263 5418
Email: sjoseph43@fm.net.my
<http://www.cybercare.org.my/home/stjoseph/html/about.htm>

JKKK

JKKK Batu Ferringhi
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11000 Pulau Pinang
Tel: 881 1199
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Email: sherine50@yahoo.com
Contact: Pn Sherine Lim

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H/P: 016 431 2138
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389 -D Jalan Dato Kramat
10150 Pulau Pinang
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Persatuan Penduduk Taman
Free School
KJ-0-8 Taman Free School
11600 Pulau Pinang
Tel: 281 0085
H/P: 012 450 7487
Contact: En K Govindasamy

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Tel: 6574554
Contact: En Ramli b Din

KRT Batu Lanchang "B"
35 Tingkat Jelutong
11600 Pulau Pinang
Tel: 6584755
H/P: 016 4535538
Contact: En Choong Khee Pin

KRT Hilir Sg Pinang
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11600 Pulau Pinang
Tel: 281 8499
H/P: 012 477 0336
Contact: En Ahmad Nasir b
Yousoof

KRT Island Park
25 Lebuhraya Tembaga
11600 Pulau Pinang
H/P: 019 4757911
Email: bskhoo@pl.larling.my
Contact: Khoo Teik Chye

KRT Jelutong Timur "B"
38-H, Jalan Bukit Dumar
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H/P: 013 422 9241
Contact: En Abdul Rahman b
Kadir

KRT Kawasan Midlands
c/o 16, Solok Midlands
10250 Pulau Pinang
H/P: 016 451 641
Contact : Mr Khoo Kuan Siew

KRT Masjid Negeri
17 Taman Wu Lien Teh
11600 Pulau Pinang
Tel: 828 6316
H/P: 012 4105010
Contact: En Hamdan b Shaari

KRT Taman Guan Joo Seng
17 Jalan Besi
11600 Pulau Pinang
Tel : 6564566
Contact : Mr. M. Manasseh

Mt Erskine Recycling Centre
(MPPP) Tingkat Erksine
110470 Pulau Pinang
Tel: 04-891 2888
Fax: 04-891 2887
H/P : 019-449 0572
Email : rosenyg@my.larling.net
Contact : Ms. Rose Ng

SCHOOLS

Dalat International School
Tanjung Bunga
11200 Pulau Pinang
Tel: 8992105
Fax: 8902141
Email: office@dalat.org
Contact : Mr. Mccalary

School of Communication,
Universiti Sains Malaysia,
Universiti Sains Malaysia
11800 Pulau Pinang
Tel: 6586554
H/P :

Contact :

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Jalan Macalister
10450 Pulau Pinang
Tel: 229 5855
Fax: 229 5886

SM Laki-laki Methodist
250 Jalan Air Itam
10460 Pulau Pinang
Tel: 2293986
Fax: 2290494

SMJK (C) Sacred Heart
Balik Pulau
11000 Pulau Pinang
Tel: 8668217
Fax: 8668217
Email: leeh3036@tm.net.my
Contact : Ms. Wong Choy Har

SMJK (C) Chung Hwa Confucian
Pestiaran Tembaga
11600 Pulau Pinang
Tel: 6583414
Fax: 6585662

SMK (P) Methodist
42 Jalan Anson
10400 Pulau Pinang
Tel: 226 3073
Fax: 227 7401

SMK Batu Maung
D/A Sk Pmtg Damar Laut
11950 Pulau Pinang
Tel: 6266584
Fax: 6265452

SMK Convent (M) Lebuah Light
36 Lebuah Light
10200 Pulau Pinang
Tel: 2633894
Fax: 2623594

SMK Convent Pulau Tikus
Lorong Maktab
10250 Pulau Pinang
Tel: 2262677
Fax: 2262677

SMK Georgetown
Lorong Batu Lancang
11600 Pulau Pinang
Tel : 828 4884
Fax : 829 5233

SCHOOLS

SMK Hutchings
Lebuh Farquhar
10200 Pulau Pinang
Tel: 261 1425
Fax: 263 8172

SMK Jalan Damai
Kampung Bahru
14000 Pulau Pinang
Tel: 5387267
Fax: 5379796

SMK Padang Polo
Jln Sepoy Lines
10450 Pulau Pinang
Tel: 2294327
Fax: 2295475

SMK Perempuan Cina
Jln Gottlieb
10350 Pulau Pinang
Tel: 2277124
Fax: 2265636

SMK Sg Ara
Sg Ara
11900 Bayan Lepas
Pulau Pinang
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Fax: 6441653
H/P: 013 481 7344
Contact: En Chew Yoon Seng

SRJK (C) Han Chiang
Jln Lim Lean Teng
11600 Pulau Pinang
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SRJK (C) Heng Ee
Jln Macalister
10400 Pulau Pinang
Tel: 226 0566

SRJK (C) Li Tek (B)
Pengkalan Weld
10300 Pulau Pinang
Tel: 2627122

SRJK (C) Phor Tay
Jln Bagan Jermal
10250 Pulau Pinang
Tel: 2275503

SRJK (C) Union
Jln Burma
10050 Pulau Pinang
Tel: 2276324

SRJK Shan Wu
Jalan LaSalle
14000 Pulau Pinang
Tel: 8282070

SRK Jalan Hamilton
Jln Hamilton
11600 Pulau Pinang
Tel: 2824203
Fax: 2824203

SRK Perempuan Island
Jalan Sultan Ahmad Shah
10050 Pulau Pinang
Tel: 226 3402

SCHOOLS

SRK Sg Nibong
Jln Sultan Azlan Shah
11900 Pulau Pinang
Tel: 6424678

SRK Sri Aman
Jln K Melayu
11500 Pulau Pinang
Tel: 8287715

SRK St Xaviers
Jalan Brother James
10350 Pulau Pinang
Tel: 2266993
Fax: 04-229 0343

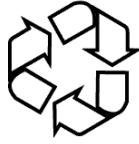
SRK Teluk Kumbar
Bayan Lepas
11920 Pulau Pinang
Tel: 649 1952
Fax: 6491 952

SRK Wellesley
Jalan Sultan Ahmad Shah
10050 Pulau Pinang
Tel: 226 5843

WHY WE RECYCLE?

We do recycling to:

- Preserve the natural environment
- Ensure a healthy and clean environment
- Prevent pollution
- Recover resources from discards
- Save costs and money
- Save trees
- Save energy
- Save waste disposal costs



For further information, please contact:

Recycling Network Unit,
Majlis Perbandaran Pulau Pinang
Jalan Padang Kota Lama
10200 Pulau Pinang **Tel : 04 – 263 3000** **Fax : 04 – 263 3036**
Email: rnumppp@gmail.com
Website: www.rnumppp.net



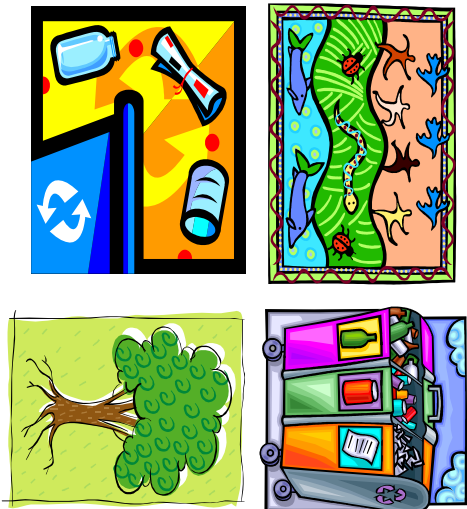
APPENDIX 10

MPSJ RECYCLING DIRECTORY



DIREKTORI KITAR SEMULA

MAJLIS PERBANDARAN SUBANG JAYA



Oktober 2005



Isi Kandungan

ISI KANDUNGAN	1
PENDAHULUAN.....	11
CARTA ALIRAN BARANG YANG BOLEH DIKITAR SEMULA	1
1.0 KEMPEN 3R.....	2
1.1 PENGURANGAN.....	2
1.2 MENGGUNA SEMULA	2
1.3 KITAR SEMULA.....	2
2.0 MENGAPA MENGITAR SEMULA?	2
3.0 APA YANG BOLEH DIKITAR SEMULA?.....	3
4.0 BAGAIMANA MENGITAR SEMULA?.....	4
5.0 KE MANA BOLEH ANDA BAWA BARANGAN KITAR SEMULA?.....	4
5.1 Tong Kitar Semula.....	4
5.2 Pusat Kitar Semula	4
5.3 Kontraktor Kitar Semula.....	4
6.0 PRODUK HASIL DARIPADA PEMROSESAN SEMULA	5
7.0 APA YANG BOLEH ANDA SUMBANGKAN?.....	5
LAMPIRAN 1 : LOKASI PENEMPATAN TONG KITAR SEMULA MPJS.....	6
Zon Subang Jaya.....	6
Zon Puchong.....	7
Zon Seri Kembangan.....	8
LAMPIRAN 2: LOKASI PUSAT KITAR SEMULA DI KAWASAN MPJS	10
LAMPIRAN 3 : SENARAI PIHAK/ AGENSI YANG TERLIBAT DALAM KITAR SEMULA.....	15
Kontraktor.....	15
Pekilang.....	24
NGO	26

Pendahuluan

Direktori ini adalah hasil usahasama oMajlis Perbandaran Subang Jaya (MPSJ), Kementerian Penumahan & Kerajaan Tempatan (KPKT), dan Japan International Cooperation Agency (JICA) dalam program pengurangan sampah di Malaysia. Ia bertujuan untuk meningkatkan pengetahuan dan hubungan pelbagai pihak dan agensi yang terlibat dengan aktiviti kitar semula.

Turut dimuatkan adalah panduan ringkas dan cara-cara mengitar semula. Antara maklumat yang boleh dikongsi bersama ialah kemudahan-kemudahan kitar semula yang terdapat di kawasan MPSJ seperti tong kitar semula, pusat kitar semula, dan pihak-pihak yang menjalankan aktiviti kitar semula.

Diharapkan direktori ini akan menjadi maklumat dan panduan berguna dalam menjalankan program kitar semula.

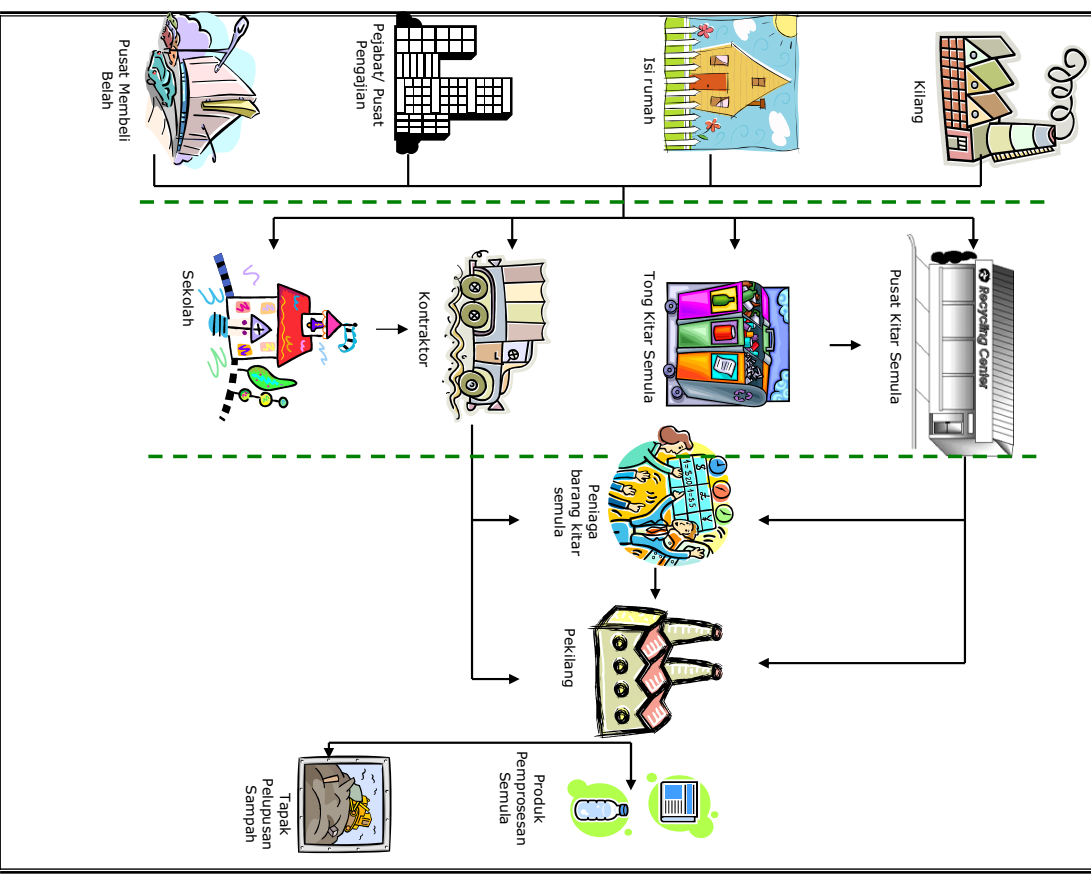
Sila layari laman web www.rumpsi.net bagi mendapatkan maklumat yang lebih terperinci mengenai aktiviti kitar semula di sekitar kawasan MPSJ.

Sekian, terima kasih.

Majlis Perbandaran Subang Jaya

“FIKIR DAHULU SEBELUM BUANG”

Carta Aliran Barang Yang Boleh Dikitar Semula



1.0 Kempen 3R

Pengurangan sampah atau "pengurangan penggunaan sumber", bermakna mengurangkan penggunaan dan pembuangan dan ia meliputi:

1.1 PENGURANGAN

Pengurangan dapat dilakukan dengan menghasilkan produk-produk yang tahan lama bagi membolehkan lama digunakan untuk tempoh masa yang panjang. Penggunaan produk yang masih berfungsi, selama yang mungkin dapat membantu ke arah pengurangan penghasilan sampah.

1.2 MENGGUNA SEMULA

Dengan membuat semula barangan yang rosak, menderma barangan yang tidak diingini lagi kepada pertubuhan amal dan kebajikan, atau menjual – turut membantu mengurangkan sampah. Mengguna semula produk adalah lebih baik daripada mengitar semula kerana barangan tersebut tidak perlu menjalani pemprosesan semula.

1.3 KITAR SEMULA

Kitar semula ditakrifkan sebagai mengubah semula bentuk bahan yang asalnya dianggap sampah atau bahan yang tiada nilai kepada produk atau bahan yang bernilai. Ia membawa banyak kebaikan kepada kita dari sudut alam sekitar, kewangan dan sosial. Kaca, logam, plastik, dan kertas merupakan bahan yang boleh dikitar semula dan diproses kepada bahan atau produk yang baru.

2.0 Mengapa Mengitar Semula?

Pada masa ini, MPSJ membelanjakan kira-kira 50% daripada hasil cukai takstranya untuk pengurusan sampah. Kitar semula adalah lebih murah dalam jangka masa panjang dibandingkan dengan pengurusan tapak pelupusan dan sistem pelupusan lain. Apabila program kitar semula menjadi lebih efisien, sampah yang akan dibuang akan berkurangan. Kitar semula membuka peluang pekerjaan lebih 5 kali ganda berbanding pelupusan sampah. Ia akan membuka peluang pekerjaan kepada jurutera, pakar mesin, kakitangan alam sekitar, pekerja am dan lain-lain. **Pendek kata, kitar semula meningkatkan taraf kebersihan dan kualiti hidup.**



Kitar semula adalah perlu bagi:

- Memelihara sumber-sumber semulajati
- Memastikan tahap kesihatan dan kebersihan terjamin
- Mengelakkan pencemaran kepada alam sekitar
- Membantulas penabangan hutan secara bertelusa
- Menjimatkan penggunaan tenaga asli
- Menjimatkan kos pengurusan bagi tapak pelupusan

3.0 Apa Yang Boleh Dikitar Semula?

Plastik	Boleh dikitar semula: Semua jenis plastik berwarna dan tidak berwarna seperti beg membeli belah, botol minuman, botol air mineral, bekas makanan, botol bahan pencuci dan botol ubatan. Tidak boleh dikitar semula: Bekas cat, bekas bahan toksik, alatan makmal dan plastik, atau apa-apa bekas yang telah tercemar dengan sisa toksik, makanan, minyak, dan lain-lain.
Kaca	Boleh dikitar semula: Semua jenis kaca berwarna dan tidak berwarna seperti botol minuman, bekas makanan, botol ubatan dan bahan kosmetik. Tidak boleh dikitar semula: Kristal, cermin, kaca tingkap, seramik, porselin, alatan makmal dan bekas bahan toksik, atau apa-apa bekas yang telah tercemar dengan sisa toksik, makanan, minyak, dan lain-lain.
Kertas	Boleh dikitar semula: Semua jenis kertas berwarna dan tidak berwarna seperti suratkhabar, majalah, buku, kertas skrap (A4, A3 dan lain-lain), katalog, risalah, calendar, kad, sampul surat dan kotak. Tidak boleh dikitar semula: Kertas tisu, kertas karbon, kertas pengelap dan kertas yang kotor tercemar dengan bahan toksik, makanan, minyak, dan lain-lain.
Besi / Aluminium	Boleh dikitar semula: Semua jenis bekas/tin aluminium dan besi seperti tin makanan dan minuman. Tidak boleh dikitar semula: Bekas cat, bekas bahan toksik, bekas bahan pelekat dan bekas bahan pelekat atau apa-apa bekas yang telah tercemar dengan sisa toksik, makanan, minyak, dan lain-lain.
Lain-Lain	Sisa elektronik (E-waste), pakaian, perabot, bateri, tayar/geleah

4.0 Bagaimana Mengitar Semula?

Penyediaan tong kitar semula membolehkan proses pengasingan barangan kitar semula – kertas, kaca dan besi/aluminium/plastik. Perkara yang penting sekali ialah mengetahui apakah barangan yang boleh dan tidak boleh dikitar semula.

Panduan untuk kitar semula:

Plastik	Kaca
<ul style="list-style-type: none"> Tanggalkan penutup. Bersihkan dan keringkan botol atau beg plastik yang kotor. Masukkan ke dalam tong kitar semula berwarna jingga atau hantar ke pusat kitar semula. 	<ul style="list-style-type: none"> Tanggalkan penutup, bahan plastik atau logam sambungan dan tapai. Bersihkan dan keringkan botol atau bekas kaca. Masukkan ke dalam tong kitar semula berwarna coklat atau hantar ke pusat kitar semula.
Kertas	Logam/Aluminium
<ul style="list-style-type: none"> Ikat suratkhabar dan buku secara berasingan. Buka kotak kadkod, ratakannya dan ikat dengan kemas. Masukkan ke dalam tong kitar semula berwarna biru atau hantar ke pusat kitar semula. 	<ul style="list-style-type: none"> Buang isi kandungan Bersihkan dan keringkan. Masukkan ke dalam tong kitar semula berwarna jingga atau hantar ke pusat kitar semula.

5.0 Ke mana Boleh Anda Bawa Barangan Kitar Semula?

5.1 Tong Kitar Semula

Barangan kitar semula dalam kuantiti yang sedikit bolehlah dihantar ke lebih 150 tong kitar semula di pelbagai lokasi di seluruh MPSJ. Antara lokasi penempatan tong kitar semula MPSJ ialah di sekolah, stesen minyak, institusi keagamaan, kompleks membeli belah, kompleks kerjagaan, pusat amali dan kedaijikan, kawasan perumahan awam, dan lain-lain lagi (sila rujuk **Lampiran 1**, di muka surat 6 bagi lokasi penempatan tong kitar semula MPSJ).



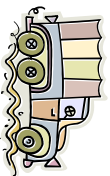
5.2 Pusat Kitar Semula

Barangan kitar semula dalam kuantiti yang banyak bolehlah dihantar ke pusat kitar semula yang bertampan (sila rujuk **Lampiran 2**, di muka surat 10 bagi lokasi Pusat Kitar Semula di kawasan MPSJ).



5.3 Kontraktor Kitar Semula

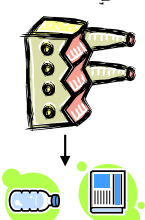
Terdapat individu atau organisasi yang menjadikan kitar semula sebagai suatu peluang perniagaan. Anda boleh menghubungi mereka bagi mendapatkan nilai terbaik bagi barangan kitar semula anda (sila rujuk **Lampiran 3**, di muka surat 15 bagi senarai pihak agensi yang terlibat dengan aktiviti kitar semula).



6.0 Produk Hasil Daripada Pemprosesan Semula

Ke manakah barangan kitar semula yang dikumpul dibawa pergi?

Barangan kitar semula yang dikumpul oleh kontraktor akan diasingkan semula, dibersihkan, dan dijual kepada kilang pemprosesan yang akan memproses barangan tersebut menjadi suatu produk yang sama atau produk yang lain.



Barangan Kitar Semula	Hasil Pemprosesan Semula
Kertas	Kertas baru, alat pembungkus, bahan penambat dan lain-lain
Kaca	Bekas, penapis air, bahan perhiasan, bahan penambat, dan lain-lain
Plastik	Bekas/ botol tahan panas, fiem, dulang, karpet, kain, baju, beg, dan lain-lain
(HDPE, PET & lain-lain jenis plastik)	
Besi	Produk besi
Aluminium	Bekas minuman
Tayar	Serdak getah, campuran tar
Kayu	Kayu/ papan penahan api, kertas
Kain/ Baju	Kain pengelap, didemakan
Bateri	Pengekstrakan semula merkuri oksida dan nikel kadmiun
Sisa minyak	Tapisan semula minyak pelincir kenderaan
Perabot	Perabot batu, papan penahan api
Sisa keburutaman	Kompos (baja)

7.0 Apa Yang Boleh Anda Sumbangkan?

Lakukan amalan kitar semula di rumah, tempat kerja dan di mana sahaja anda berada.

- Anda boleh mengadakan Program Kitar Semula anda sendiri, sama ada diperingkat pejabat atau diperingkat kejurangan kediaman anda.
- Anda boleh menghubungi MPSJ untuk mendapatkan nasihat, pandangan dan bantuan bagi menyalakan Program Kitar Semula anda.

Lampiran 1

Lampiran 1 : Lokasi Penempatan Tong Kitar Semula MPSJ

Zon Subang Jaya

Lokasi Tong Kitar Semula	Nama	Telefon
Pejabat Kerajaan		
Pejabat Tanah & Daerah Pelaling, Subang Jaya**	En. Jamil	03-8023 1304
MPSJ, Persiaran Perpaduan, USJ 5	En. Zaini	019-3610 605
Balai Bomba, Jln SS 17/2, Subang Jaya**	En. Jamil	03-8023 1304
Tentera Udara, No. 20, Skuadron Pangkalan Tentera Udara, Subang Jaya**	Leftanan Zahari	019-3586 739
Pondok Polis USJ 8, USJ 8*	En. Redzuan	019-2351 243
Balai Polis Subang Jaya, Jln SS 17/2*	En. Mohd Noor	03-5633 2222
Institusi Keagamaan		
Masjid Abu Bakar As-Siddiq, Jln SS 19/7A**	Hj. Ali	03-5634 2724
Masjid Abu Bakar Al-Mukminun, Jln USJ 2/45**	Hj. Zamri	03-5694 4434
Persatuan Buddha SS 13	En. James Khoo	03-5634 181
Institusi Pendidikan/ Sekolah		
SK Seafield 3, Jln USJ 6/3	Pn. Kasnawati	03-536 7437
SK SS 17, Jln SS 19/1	Pn. Hajjah Aminah	03-5636 5106
SK USJ 20, Jln USJ 20/6E	Pn. Radziah	03-8023 1860
SK USJ 12, Jln USJ 12/1	En. Zulkifli	03-5637 0081
SK Subang Jaya, Jln SS14/5	Pn. Maizatun Azura	03-5633 9234
SK SS 19, Jln SS 19/6	Pn. Noranzah	03-5633 5487
SRJK (C) Chee Wen, D/A Sek. Keb. SS 17	En. Chia Wang Hing	03-5631 4703
SRJK (T) Seafield, USJ 20/8	Pn. R. Sumathy	03-8023 4548
SMK USJ 4, Jln USJ 4/3	Pn. Fiona	03-8024 6618
SMK SS 17, Jln SS 17/1	Pn. Rohayati	03-5633 8747
SMK Seafield, Jln USJ 2/5	Pn. Ung Lee Lee	03-5632 1301
Sek. Ren. Islam Intergrasi Masjid Darul Ehsan, Jln SS 15/2E	En. Fauzi	019-2145 634
Stesen Minyak		
Stesen Minyak BP SS 13, Persiaran Kewajipan**	En. Jamil	03-8023 1304
Stesen Minyak Shell USJ 18, Persiaran Kewajipan**	En. Raja Sauffi	03-8024 8157
Stesen Minyak Shell USJ 1, Jln Permai 2/1, Tmn Subang Permai**	En. Jamil	03-8023 1304

Lokasi Tong Kitar Semula

Lokasi Tong Kitar Semula	Nama	Telefon
Stesen Minyak Shell USJ 4, Jln USJ 4/2**	En. Jamil	03-8023 1304
Stesen Minyak Shell USJ 9, Lot 28957, USJ 9/3, Jln Bakti**	En. Jamil	03-8023 1304
Stesen Minyak Shell SS 17, No. 3, Jln SS 17/1A**	En. Jamil	03-8023 1304
Stesen Minyak Shell SS 18, Jln Tujuan**	En. Jamil	03-8023 1304
Stesen Minyak Shell Jln Kewajipan**	En. Jamil	03-8023 1304
Stesen Minyak Caltex USJ 16	Pn. Fauziah	03-8024 6394
Stesen Minyak Mobil Dwi Ikatlan Sdn Bhd	Pn. Shamsiah	03-8943 4939
Jawatankuasa Penduduk		
Zon 3-Goodyear Court 2*	En. Rajesh	012-2692 177
Zon 4-Dewan Orang Ramai, PJS 7/15*	En. Chang	016-3825 088
Zon 5-Dewan Komuniti, Jln USJ 1/4C*	En. Kamarudin	019-3482 806
Zon 6-Balai Masyarakat, Taman Batu 3*	En. Aziz	019-2711 059
Jln USJ 11/6, USJ 11 Subang Jaya	En. Eadon	012-3331844
Jln SS 15/4c, USJ 15 Subang Jaya	En. Eadon	012-3331844
Jln USJ 2/2b, USJ 2 Subang Jaya	En. Eadon	012-3331844
Lain-Lain		
Subang Parade, No. 1, Jln SS 16/1**	En. Mike	03-7322 530
Pusat Membeli Belah The Summit, Persiaran Kewajipan**	En. Danny Yap	03-8024 8886
Pusat Membeli Belah Carrefour, Subang Jaya	En. Zaini	019-3610 605
Goodyear Court, Persiaran Mulia**	En. Jamil	03-8023 1304

* Tong kitar semula ini diselenggara oleh MPSJ dengan kutipan 1 kali setahun

** Tong kitar semula ini diselenggara oleh MPSJ dengan kutipan 2 kali seminggu

Zon Puchong

Lokasi Tong Kitar Semula	Nama	Telefon
Pejabat Kerajaan		
Klinik Kesihatan Puchong, Bt 14*	En. Salimi	03-8061 1814
Balai Polis Puchong Jaya, Bdr Puchong Jaya*	En. Abdullah Saidi	03-8075 2222
Kuarters MPSJ**	En. Sulaiman	03-5512 4517
Institusi Pendidikan/ Sekolah		
SK Puchong Jaya, Bandar Puchong Jaya	En. Khairuddin	03-8075 7734
SK Seksyen 2, Bandar Kinara, Jln BK 3/8	Pn. Azizah	018-2315 221
SK Puchong Utama (1), Jln PU 12/1	Pn. Rosliwati	03-8061 9240
SK Puchong Utama 2, Jln PU 9/5	Pn. Norhamzah	03-8060 8849

Lokasi Tong Kitar Semula	Nama	Telefon
SRJK (T) Castelfield, Bt. 1 1/2, Jln Puchong	En. Subramaniam	03-8061 1767
SMK Seksyen 1, Bdr Kimrara	En. Taufek	03-8070 4075
SMK Seksyen 3 Bdr Kimrara, Jln Kimrara 5	Pn. Susila	03-8075 7760
SMK, Puchong Jaya, Jln Tempua 3, Bdr. Puchong Jaya	Pn. NorHikmah	012-3774 491
Jawatankuasa Penduduk		
Pangsapuri Taman Kimrara, Seksyen 2, Jln TK 2/13**	En. Zaplan	016-3608 415
Balai Masyarakat Puchong Perdana, No. 31 Jln Mawar 1-A, Taman Puchong Perdana**	En. Radin Mokhtar	012-2286 111
Dewan Puchong Jaya	En. Zaini	019-3610 605
Dewan Taman Kimrara Seksyen 1	En. Zaini	019-3610 605
Zon 9-Balai Raya Kuala Sg. Baru, Bt. 13, Jln Klang*	En. Zakaria	012-2211 256
Zon 10-Dewan Masyarakat, Jln Sri Puchong 7, Tmn Sri Puchong*	En. Norizan	019-3200 925
Zon 16- Balai Masyarakat, Taman Puchong Indah*	Puan Faizah	03-8062 3725
Zon 17- Lot Lepak Kereta, Taman Tasik Puchong Perdana*	En. Saifuddin	012-6742 750
Zon 21- Dewan Masyarakat JKP Zon 13, Jln BP 2/2, Bukit Puchong*	En. Kamarulzaman	019-3804 803
Zon 15- Lot 85, Lrg 2, Kg Seri Aman, Bt 13*	En. Khairid	016-2523 996
Zon 14- Pasaraya Mini Tekun Bersama, Lot Kedai, Jln 22, Tmn Bukit Kuchai Bt. 8*	En. Kusnin	019-3367 435
Zon 13- Dewan Masyarakat, Tmn Kimrara Seksyen 1*	En. Ramely	013-3433 624
Lain-Lain		
Pusat Membeli Belah IOI, Puchong Jaya**	Cik. Lee Yoke Han	03-5882 8888
Pusat Haven Youth, 17A Jln Kenari 17D, Bdr Baru Puchong Jaya**	Pn. Saifah	03-8076 6804
Kawasan Lapang Bernampiran TESCO	En Eadon	012-3331 844
Pasar Pagi Puchong Jaya	En Eadon	012-3331 844
Pasar Pagi Kimrara Seksyen 1	En Eadon	012-3331 844

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** Tong kitar semula ini diselenggara oleh MPSJ dengan kutipan 2 kali seminggu

Zon Seri Kembangan

Lokasi Tong Kitar Semula	Nama	Telefon
Pejabat Kerajaan		
Stadium Tertutup Serdang	En. Zaini	019-3610 606

Lokasi Tong Kitar Semula	Nama	Telefon
Ibu Pejabat MARDI	En. Mohd Zahir	03-8943 7051
Institut Pertanian Serdang (Jabatan Pertanian)	Puan Norazmah	03-8948 6204
Balai Bomba Seri Kembangan, Jln Raya Satu**	En. Rosnaldi	03-8941 6281
Ibu Pejabat Balai Polis Pelaling Jaya Selatan, Taman Equine*	Puan Nursuhaili	016-3968 585
Pondok Polis Serdang, Taman Seri Serdang*		03-8948 2222
Balai Polis Seri Kembangan, Jln Besar*	En. Mohd Adnan	03-8948 6122
Klinik Kesihatan Seri Kembangan, Tmn Muhibah Seri Kembangan*	En. Abu Bakar	016-2858 1195
Institusi Pendidikan/ Sekolah		
Fakulti Teknologi & Sains Komputer, UPM**	En. Sulaiman	03-5512 4517
Kolej Kediaman ke-13, UPM**	En. Sulaiman	03-5512 4518
Fakulti Ekologi Manusia, UPM**	Prof. Madya Dr. Lai	03-8948 6101
Kolej Kediaman ke-10, UPM**	En. Mohd Syukri	ext. 3022
SK Serdang, Uhiputra Pos Serdang, Seri Kembangan	En. Mohd Salim	03-8948 6582
SK Taman Universiti, Tmn Universiti Indah, Seri Kembangan	Pengetua	03-8943 1575
SRJK (T) Serdang, Uhiputra Pos Serdang, Seri Kembangan	Pengetua	03-8948 4069
SRJK (C) Serdang Baru 1, Seri Kembangan	Pengetua	03-8948 6644
SMK Seri Indah, Tmn Seri Serdang, Seri Kembangan	Puan Hassannah	03-8943 4263
Jawatankuasa Penduduk		
Rumah Pangsa Mutiara Serdang, Jln SR 6/3, Serdang Raya	Cik Hana	03-89424223
Zon 26-Dewan Masyarakat Taman Serdang Utama, Bukit Serdang Seksyen 14*	En Wong Len Kong	016-2801 290
Zon 28- Dewan Orang Ramai KEMAS, Seksyen 6 & 7*	En. Kadir	019-9669 866
Zon 29-Dewan MCA, Lot 1230, Jln 1/6, Taman Sg Besi Indah*	En. Fong	012-3229 726
Zon 22-Dewan Besar Seri Kembangan, Jln Besar*	En. Raymond	019-3366 382
Lain-Lain		
Kompleks Membeli Belah The Mines, Jln Dulang off Jln Balakong**	En. Krishnan	03-8942 5010
Grand Union, Jln Perusahaan 1**	En. Peck Tan Bian	
Pasar Borong Selangor	En. Jamaludin	03-8944 1735

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** Tong kitar semula ini diselenggara oleh MPSJ dengan kutipan 2 kali seminggu

Lampiran 2: Lokasi Pusat Kitar Semula Di Kawasan MPSJ

No	Agensi /Syarikat	Waktu Operasi	Barang kitar semula yang diambil								
			Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain	
1	Pusat Kitar Semula MPSJ Persiaran Perpaduan, USJ 5, 47500 Subang Jaya Tel: 03-80263183 Faks: 03-80245235 Hubungi: Unit Alam Sekitar, MPSJ U/p : En. Mohd Hafiz	<ul style="list-style-type: none"> Isnin – Jumaat (9.00 pg – 4.30 ptg) Ahad (8.30 pg – 11.30 pg) 	✓	✓	✓	✓	✓				
2	Pusat Kitar Semula USJ 9 USJ 9, 47500 Subang Jaya Tel: 03-80231305 Faks: 03-80236493 Hubungi: Pengerusi JKP Zon 2 U/p : En. Gilbert	<ul style="list-style-type: none"> Isnin, Rabu, Sabtu (2.00 ptg – 4.00 ptg) 	✓	✓	✓	✓	✓				

10

No	Agensi /Syarikat	Waktu Operasi	Barang kitar semula yang diambil								
			Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain	
3	Pusat Kitar Semula Giant Persiaran Subang Permai, USJ 1, 47500 Subang Jaya Tel: 03-78805958 Faks: 03-78807977 Hubungi: TREES U/p: Cik Leela	<ul style="list-style-type: none"> Selasa – Ahad (12.00 tgh – 6.00 ptg) 	✓	✓	✓	✓	✓				
4	Pusat Kitar Semula SS17 Jalan SS 17/2, SS 17, 47500 Subang Jaya Tel: 03-80231304 Faks: 03-80236492 Hubungi: Truemax (M) Sdn Bhd U/p : Cik Anies Marlina	<ul style="list-style-type: none"> Sabtu – Khamis (kecuali Jumaat) (9.00 pg – 7.00 ptg) 	✓	✓	✓	✓	✓				
5	Pusat Kitar Semula IOI Pusat Membeli Belah IOI, Pusat Bandar Puchong 47100 Puchong Tel: 03-4328888 Hubungi: Genting Sanyen Ind. Paper U/p: En. Sivanandan	<ul style="list-style-type: none"> Isnin – Sabtu (10.30 pg – 6.00 ptg) Ahad (10.30 pg – 4.00 ptg) 	✓	✓	✓	✓	✓				

11

No	Agensi /Syarikat	Waktu Operasi	Barang kitar semula yang diambil							
			Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain
6	Pusat Kitar Semula The Mines Jalan Dulang, The Mines Resort City 43300 Seri Kembangan Tel: 03-89425010 Hubungi: Genting Sanyen Ind. Paper U/p: Pn. Rose Warzuki	<ul style="list-style-type: none"> Isnin – Sabtu (10.30 pg – 6.00 ptg) Ahad (10.30 pg – 4.00 ptg) 	✓	✓	✓	✓	✓			
7	Pusat Kitar Semula Sunway Pyramid Bandar Sunway, 47500 Subang Jaya Tel: 03-78748433 Faks: 03-78748615 Hp: 019-3610605 Hubungi: Alam Flora Sdn Bhd U/p: Ahmad Rozaini Muhammad Rapee	<ul style="list-style-type: none"> Setiap hari (kecuali Rabu & Khamis) (10.00 pg – 5.00 ptg) 	✓	✓	✓	✓	✓			

No	Agensi /Syarikat	Waktu Operasi	Barang kitar semula yang diambil							
			Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain
8	Pusat Kitar Semula Carrefour No 3, Jln. SS16/1 Carrefour Subang Jaya 47500 Subang Jaya Tel: 03-78748433 Faks: 03-78748615 Hp: 019-3610605 Hubungi: Alam Flora Sdn Bhd U/p: En. Ahmad Rozaini Muhammad Rapee	<ul style="list-style-type: none"> Rabu – Ahad (10.00 pg – 5.00 ptg) 	✓	✓	✓	✓	✓			
9	Pusat Kitar Semula Taman Tasik Wawasan Persiaran Wawasan, Taman Tasik Wawasan Pusat Bandar Puchong, 47100 Puchong Hp: 012-2272625 Faks: 03-58917817 Hubungi: Pengerusi JKP Zon 20 U/p : En. William Chang Yong Hsi E-mel: william@pd.jaring.my	<ul style="list-style-type: none"> Setiap hari (kecuali Jumaat) (Pagi : 7.00 – 11.00) (Petang : 4.00 – 7.00) 	✓	✓	✓	✓	✓			

No	Agensi /Syarikat	Waktu Operasi	Barang kitar semula yang diambil							
			Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain
10	Pusat Kitar Semula USJ 1 Persiaran Subang Permai, USJ 1 47600 Subang Jaya Hp: 019-3482806 Faks : 03-80236058 Hubungi : Pengerusi JKP Zon 5 U/p : En. Kamarudin E-mel: kamarudinrasol@yahoo.com	<ul style="list-style-type: none"> Isnin – Ahad (8.00 pg – 5.00 ptg) 	✓	✓	✓	✓	✓			

Lampiran 3

Lampiran 3 : Senarai Pihak/ Agensi Yang Terlibat Dalam Kitar Semula

Kontraktor

No	Agensi /Syarikat	Barang kitar semula yang diambil								Catatan
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain	
1	ABM Metal S/B lot PT 32332 Jln Puchong BT 13 47100 Puchong Hp: 012-2296367 Hubungi: En.R.Kanna				✓	✓				<ul style="list-style-type: none"> Menyediakan pekhidmatan kutipan di pejabat Penghantaran individu terus ke premis adalah diterima
2	Arasu Metal Work Lot 3488A Bt 8 Jln Puchong 47100 Puchong Hp: 016-2341464 Hubungi: En. Maniyarasu				✓	✓				<ul style="list-style-type: none"> Menyediakan pekhidmatan kutipan di pejabat dan rumah persendirian (kuantiti lebih 100kg) Penghantaran individu terus ke premis adalah diterima

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	
9	Indahirah Enterprise 11, Jln. Daun Payung 18/11 Seksyen 18 40200 Shah Alam Tel: 03-51633554 Faks: 03-55123267 Hp: 017-3168312 / 017-6566011 Hubungi: En. Ahmad Jaafar	√	√	√	√	√	√		<ul style="list-style-type: none"> Menyediakan perkhidmatan kutipan ke rumah bagi kuantiti barangan 200kg ke atas
10	JBSN Enterprise No 43, Jln. Sungai Merbau 32/87, Kemuning Green Ville, Bukit Rimau, 40460 Shah Alam Hp: 012-3186205 / 016-2317652 Hubungi: En. Selvam	√	√		√	√			<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
11	Katharavayan Metal Sdn Bhd No 9 Jln Taman Mawar, 47100 Puchong Hp: 016-2458723 Hubungi: En. Kathavarayan				√	√			<ul style="list-style-type: none"> Menerima barangan dari pejabat dan orang persendirian
12	Munusamy Metal Trading No 7, Jln Taman Kandan, 47100 Puchong Hp: 012-3958478 Hubungi: En. Munusamy				√	√			<ul style="list-style-type: none"> Menerima barangan dari pejabat dan orang persendirian

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	
13	Octopus Recycling 44, Jln 10/152 Taman Perindustrian BT 6 Puchong, 58200 Kuala Lumpur Tel: 03-77850418 Faks: 03-77854408 Hp: 012-3030436 Hubungi: En. Dick Wong E-mel: octopus@sreamyx.com		√					√	-
14	Perniagaan Besi Jar Sdn Bhd Lot 17681 Jln Kelang, Bt 13, 47100 Puchong Tel: 03-80270391 Faks: 03-61402168 Hp: 012-3739635 Hubungi: En. Raja				√	√			-
15	Perniagaan Logam MKD Lot 7467C-1 Kg Baru Bt 14, 47100 Puchong Hp: 012-3656553 Hubungi: En. Muraly				√	√			<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
16	Perniagaan Logam Peel No A18, Jln TPP 5/2, Taman Industri Puchong, Bt 12, 47100 Puchong Hp: 019-3416478 Hubungi: En. Mohan				√	√				-
17	Positive Recycle Industries PO Box 25, Batu 12, 47100 Puchong Tel: 03-80684439 Faks: 03-80684439 Hp: 019-2194138 Hubungi: En. Patrick Goh	√	√	√	√	√	√	√	Perabot	<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
18	R.E.C Metal Kg Baru Bt 14, 47100 Puchong Hp: 016-6939712 Hubungi: En. Rajendran				√	√				<ul style="list-style-type: none"> Menerima dan mengambil barangan dari orang persendirian
19	Reach Eastern Resources Sdn Bhd Lot 900 Bt 13 Jalan Klang, 47100 Puchong Tel: 03-80681169 Faks: 03-80681169 Hubungi: En. Paramanath E-mel: rer@tm.net.my				√	√				<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
20	Recycle Care Trading 7-2-8 Blok 7, Jln. 2/ 127 Happy Garden 58200 Kuala Lumpur Hp: 012-3192877 Hubungi: En. Kelvin Leong		√							-
21	S.S.S.K Metal Kg Baru Bt 14, 47100 Puchong Hp: 019-2132865 Hubungi: En. Rajoo				√	√				<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
22	Saniplus Marketing No 8, Jln. Industri 2, Bt 7 Bukit Kemuning, Seksyen 34, 40470 Shah Alam Tel: 03-51227098 Faks: 03-51222176 Hubungi: En. Sam Cheah	√								<ul style="list-style-type: none"> Mengambil barangan dari pejabat dan orang persendirian jika kuantiti melebihi 1 tan

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
23	Seng Hiap Metal Sdn Bhd Lot 1297, Batu 7, Jln. Bukit Kemuning Seksyen 34, 40470 Shah Alam Tel: 03-51223402 Faks: 03-51222976 Hubungi: En. Fong Chee Chung E-mel: senghiapmetal@myjaring.net Laman web: www.henghiap.com	√	√		√	√				<ul style="list-style-type: none"> Menyediakan perkhidmatan kutipan di pejabat Menerima barangan dari orang persendirian
24	Sunrise Paper Trading 98, Jln Kinrara, Tmn Kinrara Batu 7, Jln Puchong, 47100 Puchong Tel: 03-80705907 Faks: 03-80761582 Hubungi: En. Tong			√	√	√				<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat sahaja
25	Tetuan PSJ Maju Enterprise No 167 Taman Sri Puchong, 47100 Puchong Hp: 016-2555486 Hubungi: En. Palaniandy				√	√				-

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
26	Truemax (M) Sdn Bhd No 1, Jln. USJ 1/6B, 47620 Subang Jaya Tel: 03-80231304 Faks: 03-80236492 Hubungi: Cik Anies Marlina E-mel: truemaxmalaysia@myjaring.com	√	√	√	√	√				<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
27	Upper Matrix Depot Sdn Bhd 1917 (O), Bt. 7, Jln. Bukit Kemuning Kg. Jawa, 42450 Klang Tel: 03-51210882 Faks: 03-51210882 Hubungi: En. Vincent Koh E-mel: vincent@uppermatrix.com	√								<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
28	VMS Puchong Metal No 179 Lot 3488A Bt 8, Jln Puchong 47100 Puchong Tel: 03-80764097 Hubungi: En. Manivelan				√	√				-

Pekilang

No	Agensi /Syarikat	Barang kitar semula yang diambil								Catatan
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain	
1	Genting Sanyen Industrial Paper Sdn Bhd Lot 7090 Mukim Tg. 12 PO Box 206, 42700 Banting Tel: 03-31825066 / 03-77859281 Hp: 012-6638987 Hubungi: En. Azhar		√							• Menerima barangan dari pejabat sahaja
2	Global Compound Sdn Bhd 11, Jln. Sg. Keramat 5 Klang Utama, 42100 Klang Tel: 03-32906636 Faks: 03-32906616 Hp: 016-6916036 / 012-3753344 Hubungi: En. Mohd Arif Abdullah / En. Fairuz Abd. Aziz E-mel: maba03@tm.net.my		√							• Menerima dan mengambil barangan dari pejabat sahaja
3	Jeng Yuan Reclaimed Rubber Sdn Bhd Lot 3, Lingkaran Sultan Hishamuddin Kaw. 20, PKNS Industrial Est. Selat Klang Utara, 42000 Port Klang Tel: 03-31762602 Faks: 03-31761045 Hubungi: Cik Koh Siew Gun								Getah	• Menerima dan mengambil barangan getah dari kilang/ bengkel/ pejabat

24

No	Agensi /Syarikat	Barang kitar semula yang diambil								Catatan
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik	Lain-lain	
	E-mel: enquiry@jeng-yuan.com Laman web: www.jeng-yuan.com									
4	Pau Mah Plastic Industries Sdn Bhd No 10, Jln. TPP 6/7 Taman Perindustrian Puchong 47100 Puchong Tel: 03-80622268 Faks: 03-80619701 Hubungi: En. Teh / Cik. Tey		√							-
5	Preserve-IT Industries Sdn Bhd Lot 10480, Jln. Kebun Nenas, 41000 Klang Tel: 03-51618177 Faks: 03-51618176		√							-

25

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No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
1	Persatuan Buddha Tzu Chi Merit Malaysia (KL) 43-45C, 47-49C (tingkat 3), Jln. SS25/2 Taman Bukit Emas, 47301 Petaling Jaya Tel: 03-78809048 Faks: 03-78808158 E-mel: tcmal@po.jaring.my Laman web: www.tzuchimalacca.com	√	√	√	√	√	√	√		<ul style="list-style-type: none"> Menerima barangan yang dihantar kepada pusat kutipan mereka pada Ahad minggu ke 3 setiap bulan
2	Persatuan Buddha Subang Jaya Lot 12593, Jln Kewajipan SS 13, 47500 Subang Jaya Tel: 03-734 8181 / 03-7315299		√							<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian

26

No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
3	Persatuan Kebajikan Xin Phou Moon No.11 Jalan Taming 12, Taman Taming Jaya 43300 Balakong Tel: 03-8962 3745 / 03-89623746 Faks: 03-89623748	√	√	√	√	√	√	√	Perabot	<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian
4	Pertubuhan Amal Seri Sinar (NPO) 23, Jln. Mewah 3/3, Taman Perindustrian HATA Pandan Mewah, 68000 Ampang Tel: 03-42977022 Faks: 03-42979926 Hubungi: En. Eadon Ching Ten Song E-mel: ching_bob@yahoo.com Laman web: www.pass.my.diip.net	√	√	√	√	√	√	√	Perabot	<ul style="list-style-type: none"> Menerima dan mengambil barangan dari pejabat dan orang persendirian Bagi barangan seperti perabot terpakai hendaklah dihantar sendiri ke premis mereka
5	Salvation Army No. 30, Jln. TPP 1/12 Taman Industri Puchong, Bt 12 47100 Puchong Tel: 03-8061 4757 / 03-80611278 Faks: 03-80618235		√	√	√	√	√	√	Perabot	<ul style="list-style-type: none"> Menerima dan mengumpul barangan dari pejabat dan orang persendirian

27


No	Agensi /Syarikat	Barang kitar semula yang diambil							Catatan	
		Plastik	Kertas	Kaca	Aluminium	Besi	Pakaian	Sisa elektronik		Lain-lain
6	Treat Every Environment Special (TREES) Sdn Bhd No 22, Lorong SS 23/6A SS23, Taman SEA 47400 Petaling Jaya Tel: 03-78805958 Faks: 03-78807977 Hubungi: Cik. Leela Panikkar / Pn. Christa Hashim E-mel: trees@pc.jaring.my Laman web: www.trees.org.my	√	√	√			√			-



Kementerian Perumahan & Kerajaan Tempatan (KPKT)

Japan International Cooperation Agency (JICA)

Majlis Perbandaran Subang Jaya (MPSJ)



RECYCLING NETWORK UNIT
 Majlis Perbandaran Subang Jaya
 Persiaran Perpaduan, USJ 5
 47610 Subang Jaya
 Tel: 03 - 8025 1749
 Faks: 03 - 8023 7673
 E-mel: rmu@mpsji.gov.my
 Laman web: www.rnumpsji.net

APPENDIX 11

ECO-PACK IN MIRI;
"3R FOR A BETTER TOMORROW"



Credit Column

The EcoPack is an on-going project under the LA21 Solid Waste Reduction Sub-Committee in Miri. Version 2 (November) of this booklet was updated with the assistance of the Japan International Cooperation Agency (JICA) National Study on Waste Minimisation in Malaysia under the pilot project in Miri. Various inputs were provided notably by Miri City Council and the Natural Resource and Environmental Board Sarawak.

All photographs are provided by Miri City Council with the exception of the following:
Images: pages 19, 24 and 32

Any queries regarding both text content and photographs should be directed to LA21 Officer, Miri City Council.

Contact person:

1.) LA21 Officer

Phone: +60-85-433501/ 433504

Website: www.miricouncil.gov.my/la21

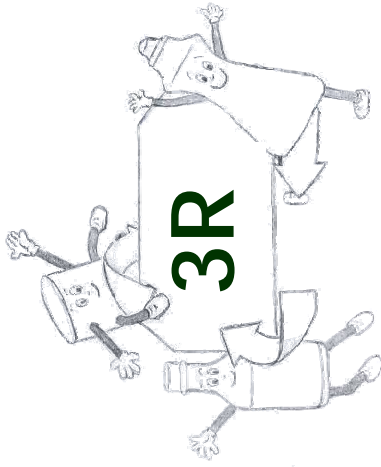
Address: Miri City Council, Jalan Kingsway, 98000 Miri, Sarawak, Malaysia.

2.) City Service Officer / WMU Sub-Unit

Phone: +60-85-433501/ 433504

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Address: Miri City Council, Jalan Kingsway, 98000 Miri, Sarawak, Malaysia.



For A Better Tomorrow



Miri City Council



Miri Local Agenda 21



Ministry of Housing and
Local Government



Japan International
Cooperation Agency



November 2005, "3R – For a Better Tomorrow!"

Table of contents

Introduction..... 5

How to use this book ?..... 6

Facts on Miri..... 6

The Typical Domestic Trash..... 6

Reduce, Reuse and Recycle..... 6

Contacts..... 6

Miri' is growing!..... 7

And what about Miri's waste?..... 8

Landfills in Miri..... 9

What's in a typical landfill?..... 10

Why do we need to bother?..... 12

Reduce, Reuse and Recycle..... 15

3R is not impossible!..... 16

More paper tips!..... 18

RECYCLING IN MY ORGANIZATION..... 26

Obtain Management Support..... 26

Form a Team..... 26

Know Your Waste..... 27

RECYCLING IN MY COMMUNITY..... 28

RECYCLING IN MY SCHOOL..... 29

What can MCC do for you?..... 30

Location of 3R bins..... 32

Location of collection centre..... 33

..... List of Recycler in Miri

..... 34

Introduction

Hi! If you have a copy of this book...Congratulations! This is your first step towards making Miri the City of sustainable living.

EcoPack is an info-project designed to provide tips, easy to read information and contacts on urban sustainable lifestyle.

Easy to use and fun to read, this booklet will provide you with useful information on the current trend in Miri's municipal waste, on-going solid waste reduction programs and future plans.

It will also provide information and tips on reducing, reusing and recycling at home, in schools, organizations and even in your residential area.

We hope that we provided you with sufficient information to kick-start at healthier, cleaner and sustainable life-style!

In fact, if you have a 3R tip to share, just email or pick up the phone! The LA21 team welcomes contribution from everyone. After all, Local Agenda is all about the community, by the community, for the community! Our contact numbers and address is located at the back page of this booklet!

And if you feel like you want to share this book with your friends, you can download it from the internet at www.miricouncil.gov.my/la21.

The EcoPack is a project of the LA21 Solid Waste Reduction Sub-Committee. This booklet is updated by Japanese Cooperation Agency (JICA), with input from Miri City Council (MCC), and Natural Resource and Environmental Board (NREB).

How to use this book ?

This book is loosely divided into the following categories:

Facts on Miri

This section provides brief information on Miri's current trend in municipal domestic waste, basic landfill awareness, landfill composition and statistics.

The Typical Domestic Trash

This section provides an analysis on the typical Miri municipal domestic trash. It provides suggestions on ways to '3R' your lifestyle.

Reduce, Reuse and Recycle

This section provides more tips and solutions on 3R for specific materials. It also includes some information on do's and don'ts on recycling.

Contacts

This section provides the contact addresses of the recyclers serving Miri, the locations of the 3R bins and collection centres.

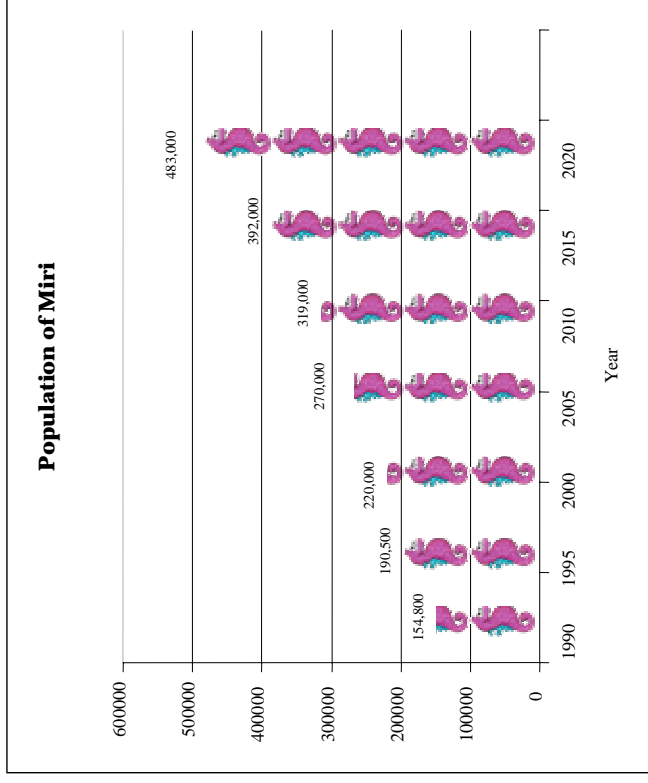
What others say:

"Recycling is a good thing to do; it makes people feel good to do it. The thing I want to emphasize is the vast difference between recycling for the purpose of feeling good



and recycling for the purpose of solving the trash problem.” Barry Commoner, Orion Nature Quarterly, 1990

Miri' is growing!



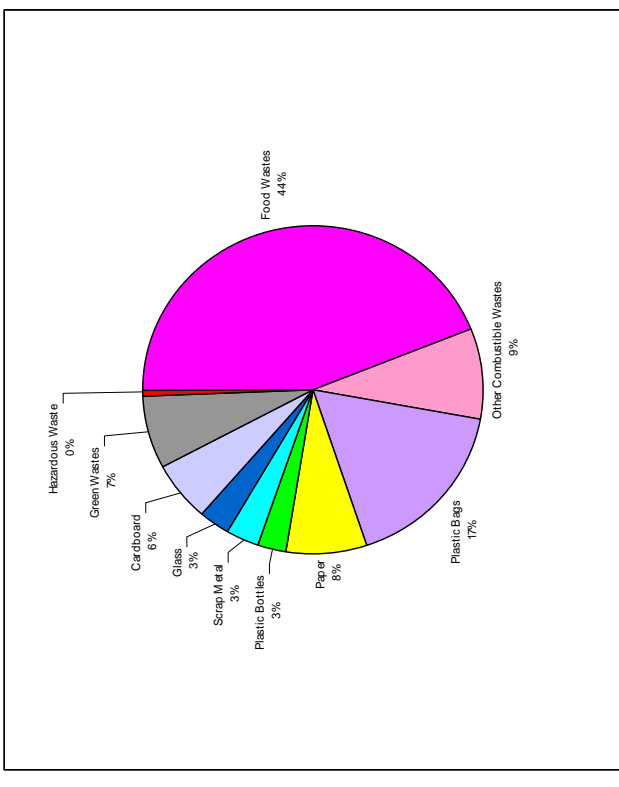
Miri obtained City status on May 2005, with the fast development pace in Miri, Do you know the population of Miri at the moment?

Censuses are done periodically to determine the population of Miri, demographics and other information such as ethnic distribution and urbanization.

The diagram above is the population of Miri during the census years of 1990 until 2020.

From 1990 to 2020, the average annual growth rate was 4.24%. It's like having a baby every 1 and a half hours!

And what about Miri's waste?



Source: Sustainable Urban Development (SUD) Composition Survey, February 2001
Analysis of the composition of residual waste from residential areas (by weight)

The Miri City Council estimate that around 130 tonnes of waste disposed daily at the landfill. This is equal to the weight to about 130 Proton Wiras! Imagine throwing away 130 Proton Wiras every day!*

Currently, the council services a population of about 180000** people. This averages to about 0.72 kg of waste products per person.

The diagram above is an estimate of the average domestic trash adopted from SUD survey, February 2001. And it isn't a surprise that 50% of the trash contents are food waste. These include kitchen waste, peels, vegetables and left overs! Paper products make up around 8% of your trash. These are newspapers, junk mail, bills and paper wrappers.

Go and have a look at your trash, use chart to check the composition of your trash.

*Kerb weight of a Wira is around 975kg. Source: http://www.proton-wira.co.uk/wira4_spec_technical.html

**Some areas of Miri is current not under the services of the Miri City Council yet, hence a serving population which is less than the estimated population of Miri.



Landfills in Miri

The current waste disposal methods in Miri are control tipping in a landfill with occasional covering materials used for capping. It is located at Mile 17, Lutong, Kuala Baram Road at Tudan Kuala Baram.

However, the landfill, nearing the end of its life at 22 years old, so a new one is being built at Sibuti, Subis. This new sanitary landfill will consist of a large tipping cell which has a liner system to prevent leachate from contacting the groundwater. It will also have a 'leachate treatment facility' where leachate will be treated before discharged**

MCC estimates that the amount of waste generated is expected to increase by 10% in the next 5 years to 143 tons per day!

The new waste disposal facility will also include a temporary transfer station at Lambir Mile 8, which will provide facilities for transfer of the solid wastes from Miri to Sibuti. This new facility will be in operation early in 2003.

The future plan for the Sibuti sanitary landfill will include green waste composting, 3R recovery of building waste, sludge treatment and an incinerator for the recovery of energy from construction wood waste.

*Leachate will be treated to meet DOE/NREB Effluent Standard B. For more information on the effluent, please contact the Miri City Council.

Abbrev:

DOE Department of Environment

NREB Natural Resource and environmental Board of Sarawak

MCC Miri City Council

What's in a typical landfill?

We all know about its most noticeable characteristics: foul smell! But what else?

For a long time, industrial and domestic wastes have been regarded as a cheap land reclamation and landfill material. Some wastes are commonly high in hazardous chemicals and there are now many reports showing that soils derived from these wastes are also enriched with these chemicals. Some of the hazardous chemicals which could be present include:

Toxic Elements: Ozone, White Phosphorous, Halogens (Chlorine, Bromine and Iodine), heavy metals (Cadmium, Lead, Arsenic and elemental Mercury), cyanide, carbon

monoxide, nitrogen oxides, hydrogen halides, asbestos, inorganic phosphorous compounds and inorganic compounds of sulphur.



Lambir Transfer Station



Layout of sanitary landfill in Sibuti

Organic compounds: Alkane hydrocarbon, Alkene and alkyl hydrocarbons, Benzene and aromatic hydrocarbons (Toluene, Naphthalene and polycyclic hydrocarbon).


Oxygen containing organic compounds: ethylene and propylene oxides, alcohols, phenols, aldehydes and ketones, carboxylic acids, ethers and esters.

Organohalide pesticides: such as DDT, Aldrin, dieldrin, endrin, chlordane, heptachlor and isodrin.

Source: <http://brec.ozecol.org/news/current/landfill.html>

Why do we need to bother?

Miri City Council can only help you treat your waste if you dispose of it properly. Even so, the volume of waste will soon exceed the capacity of proper waste treatment. Indiscriminate disposal of your waste will have impact on several aspects of your life.

 polystyrene containers used for 'take-away food never degrade! Think before you 'tapau', eat-in or bring your own container instead.

The environment: This is the surrounding area, casual and illegal dumping will cause stresses to the environment which will lead to impacts on **your health**. Waste is ideal home stays for hazardous bacteria. And if waste is left untreated, we will have to treat ourselves. Ironically, this will lead to impacts on **Your Pocket**. Treatments are more expensive then prevention and conservation of the environment.

So Think before you throw, Think before you buy.

What others say: "We have found the sources of hazardous waste and they are us." US Environmental Protection Agency, booklet, "Everybody's Problem: Hazardous Waste," 1980.

Now, let's talk about the typical domestic trash....

Do you know why you do what you do?

50% of home waste is food related, another 21% is contributed by paper. These are common items such as boxed juices, cereal cartons and other packaging materials. Most people are attracted to convenient packaging such as small juice boxes instead of larger economy size containers. Next time, think before you buy. Do you really need that packaging?

Not! In most urban towns, the common 'forgotten' waste is the cigarette butts. It will take 10-12 years before it degrades!

The flip side...

In the beginning, there was recycling. The bins were distributed in 3 different colours in several locations; some did a wonderful job of segregating it only to realize that the big trucks that comes by your house do not care to separate them. Some didn't know why pizza boxes should not go into the blue bin. While others moved on with their routine. And now you say 3R again??



Do you want to know the 'real' story of 3R in Miri so far?

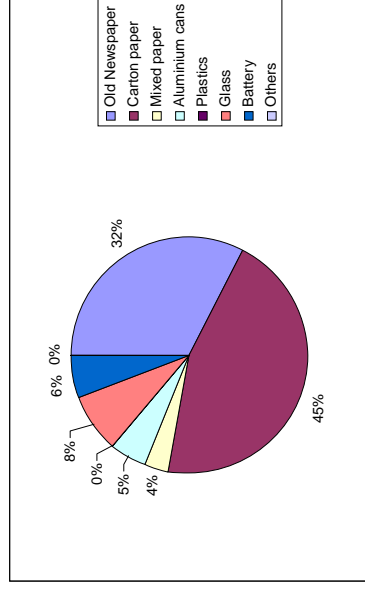
The Real story ...

The trash trucks do not collect your segregated materials. You will need to send them to the appropriate collection centres.

To date, there are about 58 sets of colour coded recycling bins in Miri. The locations of which can be found on the back page of this booklet. These bins were strategically located in schools, major residential areas, places of workshop etc. The 'car-taker' of the bins is required to report the weight of the goods received in categories. Registered recyclers are also required to do the same.

It seems that Miri is heading in the right direction! In addition to the placements of the 3R colour coded bins, MCC and the LA21 committee has also put into place 8 collection centres. These centres are operated by volunteers and proceeds will be used to sustain the operation of the collection centre. 4 of the centres managed by Rukun Tetangga (RT), 2 managed by Buddhist Tzu Chi Association (Krokop 5 and Bulatan Park Collection Centres).

For the year of 2004, the monthly average collections by agent are graphically represented below.



Source: Miri City Council, 2005

A total of 81% (old newspaper, carton and mixed paper) of the collected recyclable materials were paper while others were much as on a weight basis. It can be noted that plastic recycling is hardly happening in Miri in 2004.

Plastics/ Rubber/ Glass

Interestingly, plastics and glass materials make up 22.8% of your trash. This is equal to about 30 tons of potentially recyclable materials disposed in the landfill daily!

Paper

Despite a whopping success in paper based collection, 13.5% still escapes the recyclers. This is equivalent to 18 tons daily! If this is recovered and sold to the recyclers, it is potentially revenue of about RM540 a day! That's RM16, 000 a month!*. Talk about 'filthy' rich! So, it seems that almost every category in your trash is recyclable. Food and wood wastes can be composted into fertilizers which would reduce the dependency on chemical fertilizers. Metals can be collected and sold as scrap metal.

Let's find out how we can do better...

- Figures are derived by using the resale value cost of carton paper at RM0.03/kg. And estimated daily waste disposal of 130 tons at the Kuala Baram Landfill.

Reduce, Reuse and Recycle

ENVIRONMENTALISTS were it like a red flag, warning of doom and gloom if it is not practiced. Academicians use it to explain how we can ensure the survival of the human race for generations to come. Politicians use it like a platitude to assure the people of their good intentions. Even corporations are getting in on the act, claiming that all their projects support the concept. What are they talking about?

Yes, you got it: Reduce, Reuse and Recycle. Simply put, it is using things differently that will still provide the same results.

We all know this, learning it, reading this booklet and hearing it every day is one thing but **DOING it another!** It requires a whole new reason for changing something with which you are already familiar.

You see, you need a reason for everything right? Some do it for the extra income, for some it's their job, for others it's their passion for the environment whilst to some, it's a good way to get together and do something useful. Find what your reason is ... there's always one!

What others say:

"Recycling is a good thing to do. It makes people feel good to do it.

The thing I want to emphasize is the vast difference between recycling for the purpose of feeling good and recycling for the purpose of solving the trash problem." Barry Commoner, Orion Nature Quarterly, 1990



3R is not impossible!

Reducing is easy

If this seems like a lot of work, don't despair—it doesn't have to be painful. Reducing waste is very economical, so people who are trying to save money are naturally reducing waste as well. SO, what are you waiting for? Read on for tips!

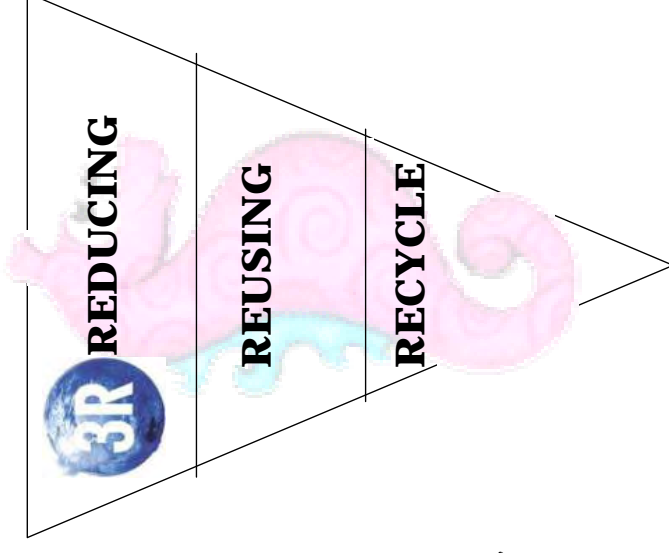
Reduce it-Don't lose it

Reusing is very economical too, not to mention earth friendly. Finding a new use for an item can be as simple as placing it in a charity sale for someone else to use. With a little creativity and practice, you will see new uses in more and more items. Some ideas to get you started:

- Give away or swap items you don't need
- Buy reusable products and avoid single-use items
- Reuse bags, boxes, paper and other items
- Borrow, rent or share things you use infrequently

Recycle the rest!

Oh yes. Find out how we can all do our bit for the environment.



Let's start with PAPER

All coloured and non-coloured paper, newspaper, magazines, books, paper scraps, telephone books, catalogues, pamphlets, calendars, cards, envelopes, and carton boxes are recyclable. All paper items go into the **BLUE** recycling bin.

However...these cannot be recycled:

- Hardcover books
- Milk cartons
- Plastic and wax paper
- Frozen food container
- Carbon paper
- Disposable diapers
- Pizza boxes or anything soiled with grease and/ or food waste
- Paper plates
- Facial or bathroom tissue
- Paper towels
- Soiled paper and food wraps

Reduce excess paper at home

A good portion of what you throw in the garbage each day is paper. Much of the paper generated in our homes comes in the mail. Take action to reduce the amount of unwanted mail. **Benefits:** Recycling junk mail is okay, but reducing the flow of junk mail will conserve natural resources, save landfill space, and save you time and money.

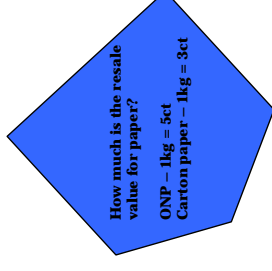
Reduce packaging!

Reduce the amount of packaging by purchasing concentrates and diluting them with water in reusable containers. Avoid single-serving products in favor of larger serving or buying in bulk. Take your own reusable cloth bag so you don't need the plastic bags.

Benefits: Over-packaged products often cost more than less-packaged products. This means that you can save money when buying products with less packaging.

More paper tips!

- Reduce paper waste. Use reusable gift bags, the comics section from newspapers or magazines to wrap gifts
- Email your holiday letters instead of cards
- Cut the covers off of old greeting cards for use as gift tags.
- Do you receive catalogs you don't want? Call the editor/ company or email to them! Take action!
- Try to consider the recyclability of a product before you purchase it



Remember not to mix any soiled paper in the blue bins!

PLASTIC, PLASTIC!

All coloured and non-coloured plastics such as: shopping bags, supermarket bags, plastic drink bottles, plastic mineral water bottles, plastic food containers, detergent containers and vitamin containers can be recycled. Plastic items go into the **ORANGE** recycling bin.

However...these cannot be recycled:

- Any plastic container that is not a bottle, such as yogurt containers, margarine tubs and microwave food trays
- Plastic food trays
- Plastic bottles that have contained motor oil,

- Pesticides or other hazardous materials
- Styrofoam

Do not throw every piece of plastic material away. Some of them can be recycled. Check to see which normally on the back of bottles and containers indicate that they are recyclable.

Normally recyclable plastics will have letters next to the recycling symbol. These indicate what type of plastic it is. Read on to find out what they are!

Types of plastics used

There are many types of plastic. Plastic must be sorted by type for recycling since each type melts at a different temperature. The plastics industry has developed identification codes to label different types of plastic. They are:

Plastic #1: Polyethylene Terephthalate (PETE)

Common uses: Soda bottles, cooking oil bottles. This is the most widely recycled plastic. Many recycling centre request that you remove the caps and flatten the bottles.

Plastic #2: High Density Polyethylene (HDPE)

Common uses: Detergent bottles, grocery bags.

Plastic #3: Polyvinyl Chloride (PVC)

Common uses: Plastic pipes, outdoor furniture, water bottles. Recycling centre almost never take #3 plastic.

Plastic #4: Low Density Polyethylene (LDPE)

Common uses: Dry cleaning bags, trash can liners, food storage containers.

Plastic #5: Polypropylene

Common uses: Aerosol caps., drinking straws. Recycling centre almost never take #5 plastic.

Plastic #6: Polystyrene (PS)

Common uses: Packaging pellets or “Styrofoam peanuts,” cups, plastic tableware, meat trays. Many shipping/ packaging stores will accept polystyrene peanuts and other packaging materials for reuse.



Plastic #7: Other

Common uses: Certain kinds of food containers and Tupperware

...more on plastics...

TAPAU anyone? What about instant? Think before you do...

Officials of the National Institute of Health Sciences in Japan were cited as saying the polystyrene containers commonly used in the packaging of instant noodles and fresh foods in supermarket have been found to contain toxic substances known to disrupt the reproductive functions of animals and humans.

The story says the substances, grouped under the term “environmental hormones.” May contaminate food through absorption. The chemicals, which mimic hormones, are styrene polymers called styrene dimmer and styrene trimer.

Source: <http://www.mindfully.org/Pesticide/PolystyreneContainers-EDs.htm>



More tips:

- Empty plastic liners from cereal boxes make good freezer bags or wax paper. Use for lunch bags also

- Many local packaging/ mailing stores accept Styrofoam peanuts for recycling. Call stores in your area to see if they offer these services
- Reuse your plastic bags for shopping. Or better still, refuse plastic bags. And use cloth bags. And use cloth bags instead!

Having some problems with **PLASTIC** collection?

If you are having problems looking for plastic vendors to collect your plastic waste, don't despair call MCC at 085-421812 or 433501 ext 250, the public Services Section.

ALUMINIUM Cans go Orange too

All types of aluminium and steel cans like drink cans and food cans are recyclable. These also go into the **ORANGE** recycling bin.

What happens to these cans?

Old aluminium is collected from the recycling bins.

Used cans are sorted and consolidated, then crushed for easy transportation to a recycling centre.

Old aluminium is then melted down to remove all contamination and convert the old aluminium into new products such as new cans. Recycling aluminium saves a lot of energy than recycling other materials, like paper. Excessive energy is used to dig up or mine bauxite (aluminium ore) and process it into aluminium. It's simpler to just melt down used cans.

However...these cannot be recycled:

- Aerosol cans
- Solvent cans
- Paint cans
- Hangers
- Medical wastes or needles

- Oil filters

AND GLASS

All coloured and clear glass, including drink bottles, food containers, vitamin bottles and cosmetic jars can be recycled. Glass goes into the **BROWN** recycling bin.

The advantage of glass

Glass is 100% recyclable – it can be recycled indefinitely to make new glass. The glass recycled in a jam jar today can be a juice bottle next month, then a coffee jar, a milk bottle, and on forever.

Here is something for you to do. See if you can spot the 'Not' in the picture above! The answer is at the bottom of this page.*

Answer:

Of the 3 item (a mineral water plastic bottle, a glass bottle and a clear plastic food container) only one should go in the brown bin. The centre bottle is made of glass. The rest are plastics which should go into Orange bin. Be mindful of the materials you put in. know your colours.

Nevertheless there are still restrictions...

Such glass cannot be recycled because it contains other materials that are unfortunately not recyclable. The following lists some of the common items:

- Ceramics
- Drinking glasses
- Window glass
- Mirrors
- Light bulbs

- Broken window and windscreen glass
- Heat treated glass e.g. Pyrex, Corning Ware, Vision Ware
- White opaque bottles
- Laboratory or medical glass
- Window glass, light bulbs, mirror glass, broken crockery, ovenproof glass or lab ware, drinking glasses, crystal ware, or any porcelain, ceramics, pottery, fluorescent light tube.

What others say:

(Upon signing of the Wilderness Act, 1964) "If future generations are to remember us with gratitude rather than contempt, we must leave them more than the miracles of technology. We must leave them a glimpse of the world as it was in the beginning, not just after we got through with it." – President Lyndon B. Johnson

But wait...what must I know BEFORE selling the materials I collect?

QUANTITY CONSIDERATIONS

Obtaining sufficient quantities of recyclables is important because vendors cannot always afford to handle and transport small amounts of material. The marketing potential of your recyclables can be improved if you cooperate with neighbouring businesses that generate the same types of materials.

QUALITY CONSIDERATIONS

The second key to selling recyclable materials is meeting the quality requirements. Quality refers to the extent to which the materials are clean, consistent, and contaminant-free. Your program should stress the important of minimizing contamination and collecting high-quality recyclables.

(Refer to Recycle Websites: <http://www.kitarsemula.com> for more info)

So...what about composting?

Recycling Paper, Plastics, Cans and Glass will help you tackle 39% of your trash contents. However, more can be done! About 55% of our trash contents can potentially be composed. If you have a backyard garden, making a home-made composting pit is easy!



How to compost?

It is the most economical way to reduce the amount of organic waste materials deposited at landfills while preserving the natural resources

What is Compost?

It is a natural way of recycling by returning vital nutrients contained in plant and animal material to the soil. Compost is the end product to decomposed organic material such as food, scraps, grass clippings, leaves and wood and brush chips.

Benefits of compost

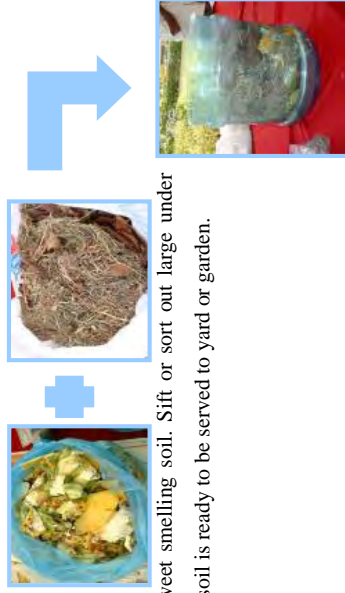
- Lower the cost of waste disposal
- Saves money on fertilizers and garden supplies
- Reduce the frequency of watering your plants/ garden and thereby lower the water bill. Soil mixed with compost retains water better than regular soil, and
- Improves the soil structure and promotes healthy plant growth

Compost Recipes

Ingredients: Mixed yard trimmings, leftover food stuff and water.

Directions: Put mixed yard trimmings in a bin or pile. Add water as needed. Mix in food scraps and other materials generated.

Turn the pile or bin every 3-4 days, alternating brown and green material. Shred the materials where possible.



Prepare For Use: After 6-8 weeks, most of the material at the bottom of the pile or bin will become dark, rich sweet smelling soil. Sift or sort out large under composed materials. The rich soil is ready to be served to yard or garden.

Using the Matured Compost

The compost is ready for use, when it is dark and crumbly with most of the original identity of the materials lost. Generally, the waste will be reduced to 60-70% its original volume.

How do you use it?

Mix it with the earth before planting flower and vegetables; or use it as a mulch or top dressing around plants and trees to help retain moisture. It can also be used to smother weeds and prevent soil compaction!

Or you can bag it up for sale!

The matured compost is available for sale to interested parties especially those involved in activities such as organic gardening, home gardening and horticulture. Matured compost will have its value of about RM15 for every 25 kg.

Source: Natural Resource and Environmental Board (NREB). For more information on uses of compost and other tips, give them a call or contact MCC with your list of queries!

I want to do more!

Where do I begin!?: And How??:

Now, you know about paper, plastics, glass, cans and even composting. And you also know that there is an advantage in volume. You can consider storing the recyclables in your home before you drive to the nearest 3R bins or collection centres but the fuel you use will soon outweigh any benefits, to you (cost more money on fuel) and the environment (more emissions from the cars)!

So why not start a recycling program?

The next few chapters will provide you tips on how you can start your own program in your organization, in your community and in your school.

RECYCLING IN MY ORGANIZATION

Obtain Management Support

The first step in planning a collection program is to gain the support of top management. An enthusiastic recycling coordinator should be appointed. That person will need to work with individuals responsible for facilities management, materials handling, transportation, and procurement, as well as with vendors, contractors, employees, and the public.

Form a Team



Many companies have found that forming a waste reduction team helps to ensure a successful program. This team will plan, implement, and manage the program. Certain key employees should be enlisted. For example, cleaning staff should be involved in creating the collection system, since they are involved in waste management and will be relied on to implement important aspects of the program.

Know Your Waste

When determining what to collect, it is important to know what waste your company generates. The best way to determine this is to conduct a “waste assessment.” A waste assessment provides data that can be used to establish waste reduction and recycling goals and to monitor progress.



HOW DO I INVOLVE, EDUCATE, AND MOTIVATE EMPLOYEES?

- Employee involvement, education, and motivation are critical to the success of your entire waste reduction programme. Employee education and programme promotion will be ongoing component of your recycling program, so plan and budget accordingly.
 - At the start of the programme, send a memo from senior management announcing the recycling program and requesting the involvement of all employees. The memo might encourage employees to volunteer to become members of the waste reduction team. Involving employees at the planning stage will give them a sense of ownership, making it more likely that they will support the programme

- Obtain feedback from employees. When setting up a collection programme, involve employees who work in production areas where materials will be recovered for recycling. They are already familiar with the manufacturing process and might have ideas about how to most successfully collect recyclable materials. It is also important to teach employees how to properly participate in recycling by providing simple and concise information on what to do
 - Employees must also be encouraged to participate on a regular basis. Employees will be more likely to participate enthusiastically if they understand the benefits of waste reduction and recycling, both for the company and for the environment. Ways to keep employees involved and interested include giving them feedback on program successes and having an awards program.

RECYCLING IN MY COMMUNITY

- The first thing you need to consider is space. A Community centre is usually used to collect and reuse or recycle the old and useable things such as old cloth, toys, second hand books etc....
- Of course, you need to form a committee first
- You may want to provide different containers to collect and recycle the waste eg. Batteries, papers, Plastics, and glass bottles
- Try collaboration with a recycler to collect your materials
- Encourage segregation of garden waste and uncooked kitchen waste from normal household waste in order to do composting in your backyard
- Programs on 3R awareness and an education program can be discussed. These will help inculcate the habit for ‘not buying extra things if not necessary’
- Or organize a competition in collecting and recycling the potential recyclable waste like old newspaper
- Ask MCC or the LA21 Solid Waste Reduction Team to help you with the awareness programs, we’re always there to help!

Remember, a recycling program is a collective effort. Work as a team and you will get a more satisfying outcome. Why not courage other activities in your community centre such as dancing lessons?



RECYCLING IN MY SCHOOL

These tips are more suited for teachers; however, if you are a student, discuss this with your teacher.

Successful program planning includes (1) appointing a recycling coordinator, (2) assembling a task force, (3) conducting a preliminary waste audit, (4) researching available markers, (5) developing a collection method, (6) revising procurement policies, and (7) developing an education program.

RECYCLING COORDINATOR The coordinator administers the overall program. To ensure program stability and continuity, the coordinator should be a permanent employee. This function should **NOT** be assigned as a student project. Coordinator's duties should be included in their job descriptions.

TASK FORCE The primary function of the task force is to assist the coordinator in developing the initial program; however, it can become a permanent advisory body. Task force members should represent: (1) **CUSTODIAL STAFF** experienced in trash removal, to offer practical guidance; (2) **ADMINISTRATIVE STAFF**, to ensure top-level support and participation incentives; (3) **TEACHERS**, to develop motivation techniques and an educational program; and (4) **STUDENTS**, to provide peer leadership.

WASTE AUDIT Planning begins with a waste audit to determine waste composition and volume; the point of origin; what portion could be recycled, re-used, reduced or eliminated; and what recyclable/ reusable materials could be substituted for materials currently in use.

AVAILABLE MARKETS Recyclable materials are marketed by collectors through brokers, intermediate processors, or end users.

COLLECTION In developing a collection system, the main points to consider are containers, a central storage area, personnel, and materials preparation. The central storage area should be clean, dry and free of fire hazards. If located outside, covered storage bins are necessary to prevent litter and protect quality.

If marketing requirements include materials preparation such as crushing or burling, consider further staffing requirements. Remember, maintaining good quality is essential for ensuring that the materials are marketable and for obtaining the highest price possible.

EDUCATIONAL PROGRAM

- The task force should design an ongoing educational program to inform staff and students about the program, program goals, and the value of waste reduction and recycling. This could include an initial assembly; newspaper or newsletter articles; signs, posters and fliers, possibly designed by students as contest submissions; and incorporating waste reduction and recycling activities in lesson plans, such as a math class calculating the amount of waste generated before and after program implementation. This information can be used as a classroom exercise to determine the amount of waste diverted from the landfill.

Why not find out about the PALs Club (Pencipta Alam Sekitar) from the Natural Resources and Environmental Board? It offers RM500 launching grant for primary schools and RM1000 for secondary schools! Kick start your club now!

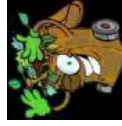
What can MCC do for you?



MCC can help you with the following:

Provide recycle bins, provide construction advice on collection centres, identify recyclers information on 3R and provide efficient scavenging service.

Do you know that MCC can also help you with the disposal of bulky or garden waste?



For a minima fee of RM20, you can be assured that the waste is disposed of properly. Call 085-421812 or 433501 etx. 250*.

Indiscriminate disposal of waste can lead to several social issues, so if you happen to suspect illegal waste dumping...CALL 421812. Note down any particulars that will help identify the culprit and take note of the location.

Lets work together to create a better place, a better home. In fact, let MCC or LA21 Solid Waste Reduction Group know what they can do for you!

* The Public Service Department is located at the ground floor of the MCC multistory car park. The Solid Waste Reduction Group can be contacted via the MCC, look for the LA21 officer or coordinator.

Location of 3R bins

A. Schools

- 1 SK Anchi
- 2 SMK Merbau
- 3 SK Pendidikan Khas
- 4 SK Jalan Bintang
- 5 SK Pujut Corner
- 6 SK Pulau Melayu
- 7 SMK Luak Miri
- 8 SK Kampung Luak
- 9 SJK Tukau Miri
- 10 SK Temenggok Datuk Muip
- 11 SJK Chung Hua Bakam
- 12 SK Kampung Bakam
- 13 SK South
- 14 SK Tudan
- 15 SK Lambir Village
- 16 SK Riam Batu Dua
- 17 Tadika Sri Indah
- 18 Curtin University of Technology
- 19 Tadika Krokop
- 20 SMK Taman Tunku
- 21 SR Sri Mawar
- 22 Maktab Pengurusan Sarawak Miri
- 23 Pei Ming Middle School
- 24 SJK Chung San Riam
- 25 SJK Chung Hua Lutong
- 26 SK Lutong Miri
- 27 SJK Chung Hua Krokop
- 28 SJK Chung Hua Miri
- 29 SMK Baru
- 30 Riam Road Middle School
- 31 SK Agama (MIS) Miri
- 32 SM Teknik
- 33 SJK North
- 34 SK St. Columba
- 35 SRK St. Joseph
- 36 SMK Agama
- 37 SMK Lopeng
- 38 SMK Dato Permaisuri
- 39 SMK Lutong

B. Hotels

- 45 Marriott Hotel
- 46 Park City Hotel

C. Service Station

- 47 Kiat Siang Service Station

D. Shopping Complex

- 48 M² Supermarket
- 49 Bintang Plaza
- 50 Boulevard Shopping Complex

E. Place of Worship

- 50 Mei Ann Methodist Church

F. NGO

- 51 Miri Bahat Community
- 52 Malaysia Red Crescent Society

G. Government Department

- 52 Pustaka Miri

H. Private Company

- 53 Nippon Oil Exploration (M) Ltd.
- 54 Pusat Bahasa Titian Jaya (Miri) S/B
- 55 SESCO
- 56 Sarawak SHELL Berhad
- 57 Miri Salam Jaya Sdn Bhd

- 40 SMK Riam
- 41 SMB St. Columba
- 42 SMB Chung Hua
- 43 Kolej TDT Haji Bujang
- 44 SM Sains

Location of collection centre

1. Krokop 5
2. Krokop 10
3. Bulatan Park
4. Car Park Building
5. Lutong Town
6. Permy Jaya
7. Piasau Phase 2
8. Pujut 1B
9. Taman Tunku
10. Senadin



List of Recycler in Miri

Plastic



1. **Syabas Synergy Sdn. Bhd.**
Lot 6325, Desa Lutong Industrial Estate, Lutong Baru, 98100 Lutong
Tel: 085-420327 (Mr. Lau Khia Ning)

Paper



2. **3R Enterprise**
Lot 2511, Jalan Pujut Corner, 98000 Miri
Tel: 085-472490 (Madam Lee/ Ms. Chua)

Others

Scraps iron / Aluminium can / copper / brass / alloy / lead / engine / computer

3. **Wili Trading**
Jalan Piasau Utara, Piasau Industrial Estate, 98007 Miri
Tel: 085-655321 (Mr. Lim Kia Siang)

Scraps metal / Aluminium can / battery

4. **K. S. Metal (Miri) Sdn. Bhd.**
Lot 104, Jalan Lutong, Kuala Baram, Baram Road, KM 1, 98100 Miri
Tel: 085-427843 (Mr. Peter Lau)

5. **Rajawali Trading**

Lot 1327, Batu 5, Jalan Miri – Bintulu, 98000 Miri
Tel: 085-422668 (Mr. Tan Haw Swee)

Scrap metal

6. **Ting's Metal Enterprise**
Lot 1548, Block 3, Piasau Jaya, Industrial Estate
Tel: 085-651755

Aluminium can / Battery



7. Chai Trading

Lot 162, Brooke Road, 98000 Miri
Tel: 012-8755330 (Mr. Chai)

Scraps metal / old newspaper / glass bottle / Aluminium can

8. Eng Wei Trading

Lot 944, Taman Tunku, 98000 Miri
Tel: 085-612836 (Mr. Soon Eng Wei)

9. Yong Teck Sin Scrap Metal Trading Company

Lot 757, Lorong 9, Jalan Krokop, 98000 Miri
Tel: 016-8716656

Aluminium and glass

10. Lambir Distillery Sdn. Bhd.

Lot 2899, Block 5, Taman Tunku Industrial Estate, 98000 Miri
Tel: 085-616850 (Mr. Kong Hien Piaw)

Aluminium can / scraps metal

11. Insan Pali

Pujut Lutong
Tel: 085-658078

Aluminium can / copper wire

12. Thomas Chua

Lot 9899, Jalan Jade 3, Bumiko
Tel: 016-8729823

Scraps metal / Copper / Alloy / Aluminium can / Battery

13. Choon Sen Enterprise

P.M.M. Box 317, Wakil Pos Mini Morsjaya, 98000 Miri
Tel: 085-424351 / 019-8155665 (Mr. Chong Choon Sen)

14. Malai Trading

Long Seridan, Mile 4 Riam Road, 98000 Miri
Tel: 085-617787

Aluminium can / plastic / all paper / glass / old cloth / old furniture.....

15. Buddhist Tzu-Chi Merit Society Malaysia (Miri)

Lot 1279, 2nd Floor, Centre Point Commercial, Jalan Melayu, 98000 Miri
Tel: 085-419753 (Madam Sim Kim Lian)

Conclusion

This is the end of the second series of the EcoPack. In summary, it covers the brief information of the growing needs of Miri population and its projection in the next 5 years.

It also has information on the current recyclable materials collected by vendors in Miri.

We also learnt that 50% of our trash at home consists of food waste which can be composted into fertilizer.

In fact, every category in our trash can be recycled, reduced or reused!



Think Beyond Recycling!

Be creative and find more uses of things which would otherwise be thrown away on first use. Try something different, or explore new products that would help reduce your waste.

Consider these few last tips:

- When taking photos, use 36-frame rolls, this reduces waste by 67% over using 12 frames. Better still go digital!
- Consider car pooling to save fuel and reduce emission
- Try rechargeable batteries instead
- And refuse those plastic bags when you're out shopping. Bring your own cloth bag instead!

That's it! Good luck in your first steps to a sustainable lifestyle!

From the Solid Waste Reduction Group, "The Waste Busters"

Local Agenda 21, Miri

The Solid Waste Reduction Team welcomes all contribution to future updates of the EcoPack, solid waste reduction proposals, tips, solutions and new members! Contact us via the Miri City Council at 085-433501 and ask for the LA21 officer!

"Earth provides enough to satisfy every man's need, but not every man's greed."
Mohandas K Gandhi quoted in EF Schumacher, Small is Beautiful.

What is Agenda 21?

A global action plan for sustainable development in the 21st century after a gathering by heads of state in Rio de Janeiro for the United Nations Summit in 1992. It is a program for the 21st century for local communities and local authorities to work together for a sustainable community and environment in their local areas. At the local level, a Local Agenda 21 program involves the formation of partnerships among the local people, local organizations (CBOs), NGOs, the private sector (business & industry) and local government (with the different agencies and departments) to jointly develop a local action plan that addresses the local needs and problems of their area.

Local Agenda 21 Pilot Program Miri (2000-2002)

Miri is one of the four pilot project sites in this Malaysian LA21 program. Miri City Council, as the local authority is the implementing agency of the Local Agenda 21 Pilot Program in Miri.

Local Agenda 21 Pilot Program Malaysia (2000-2002)

In late 1999 the Government of Malaysia commenced on a 2-year pilot program establish the Local Agenda 21 process at the local government level. This pilot program aims at promoting sustainable development at the local government level by creating and strengthening participation between local authorities and local communities and other stakeholders.

