

Appendix B

Municipal Waste Worksheets

Table B.1: Waste category descriptions

MUNICIPAL WASTE COMPOSITION FORM		
EW CODES	WASTE CATEGORIES	TYPICAL EXAMPLES
ORGANIC WASTE		
20 01 08	Biodegradable kitchen & canteen waste	Bread, fruit, cooked or uncooked food items, meat and fish, pet foods, vegetable skins, tea bags
20 01 25	Vegetable oil	Waste cooking oil
20 02 01	Biodegradable waste from garden & park	Grass and bush cutting, twigs, soil, flowers, leaves, tree branches, weeds
21 01 08	Liquid fit for human consumption	Liquid contained in drink and milk containers
PAPERS		
15 01 01	Packaging	Brown or white paper bags, wrapping paper, fast food wrapping, egg cartons
20 01 01	Newspapers- Brochures	Local and national newspapers, newsprint-type advertising publications, other newsprint
20 01 01	Magazines & glossy paper	Magazines and ads on glossy paper , shop catalogues
20 01 01	Office papers	Envelopes, letters, print outs
21 01 01	Tissue papers	Tissue papers
20 01 01	Other papers	Till receipts, books, telephone directories, Golden Pages, non-glossy junk mail, loose leaf paper, non-glossy brochures and catalogues
CARDBOARDS		
15 01 06	Flat Packaging	Cornflake boxes, toy boxes, washing powder containers, food containers, cleaning product cartons
15 01 06	Corrugated packaging board	Corrugated packaging cardboard used for household items packaging (TVs, PCs, furniture)
20 01 01	Other cardboards	Birthday cards, postcards, files and folders, tickets
COMPOSITES		
15 01 05	Other non-packaging composite	Items of furniture, appliance parts, car parts, engine-parts, shoes (multi-material only)
15 01 05	Liquid packaging	Beverage cartons (Tetrapak)
15 01 05	Other composite packaging	Tablets packaging ("Blister packs")
TEXTILES		
15 01 09	Textile Packaging	Nets for fruits and vegetables
15 01 09	Textiles Non-Packaging	Rags, household soft furnishings and upholstery, carpets, curtains, blankets, towels
20 01 11	Clothes	Clothes and canvas bags
20 01 11	Healthcare Textiles, disposable nappies	Nappies, plasters, sanitary towels, bandages
PLASTICS		
20 01 39	PVC packaging	Oil bottles, toiletries packaging,
20 01 39	PET packaging	Soft drinks bottles, water bottles, some ice-cream cartons
20 01 39	PE Jars& Bottles	Milk, detergent, bottle caps, household/pet/garden products, laundry liquid

		containers
20 01 39	PS packaging	Convenience food packaging (e.g. sushi)
15 01 02	Styrofoam	EPS foam (burger boxes, egg cartons)
15 01 02	Supermarkets bags and films (PE & PP)	Plastic shopping bags, fertiliser bags, cling film, compost/peat-moss bags, sandwich bags, cereal packets (inside box), biscuit wrappers
15 01 02	Mixed flexible plastic packaging	Crisp packaging, margarine tubs, toothpaste tubes
15 01 02	Mixed Rigid plastic packaging	Yoghurt pots without lid, ice creams, CD covers
20 01 39	Other plastic waste	Refuse bags, Clothes hangers, toys, air freshener holders, plant pots, seed trays, video cassettes, washing up bowls, racks, garden hoses, floor linoleum (lino), CDs, gardening equipment, hoses, disposable razor blades, tubes/pumps
GLASS		
15 0107	Green Glass packaging	Red wine bottles
15 0107	Clear Glass packaging	White/Rosé wine and water bottles, jam jars, flasks
15 0107	Brown Glass packaging	Beer bottles (e.g. Budweiser), medicine bottles
15 0107	Glass packaging other colours	Blue water bottles, medicine bottles
20 01 02	Non Packaging glass	Mirrors, plate glass, flat glass, cookware (pyrex), mixed broken glass, drinking glasses
METALS		
15 01 04	Ferrous metal packaging	Beverage and food cans, lids, biscuit containers
20 01 40	Other ferrous metal waste	Keys, nails, cutlery, paper clips, building/DIY materials, screws, tools, safety pins, metal shelves, old radiators (many new ones are plastic), pots and pans, locks
15 01 04	Aluminium packaging	Beverage and food cans, foil sheets and trays, shoe polish cans
20 01 40	Other aluminium waste	Cutlery, household wiring, crockery
15 01 04	Other metal packaging	Building/DIY material
20 01 40	Other metal waste	Cast items (taps, cooking pans), locks, building/DIY material, plumbing, bike parts
WOOD		
15 01 03	Wood packaging	Bottle corks, cork packaging, pallets, wine presentation boxes
20 01 38	Non Packaging wood	Wood fencing, wood from DIY, kitchen units, particle wood (chipboard, plywood, MDF)
SPECIAL MUNICIPAL WASTE		
20 01 27	Paint, ink pastes and resins	Paint
20 01 13	Solvents	Methylated spirits, glues and solvents, refrigerants
20 01 29	Detergents	Bleach
20 01 17	Photochemicals	Chemicals for photographic development
20 01 19	Pesticides	Garden/household insecticides & weedkiller
20 01 33	Batteries & Accumulators	Lead acid, nickel cadmium, other car and household batteries and accumulators (including rechargeable batteries)
20 01 21	Fluorescent tubes& bulbs	Light bulbs (normal, fluorescent, energy saving)
20 01 99	Aerosols	Deodorant, perfume, hairspray
21 01 35	Electronic equipment	Household appliances (toasters etc), toys, control instruments
20 03 99	Other special domestic waste	Medicine, fire extinguishers, motoring products
UNCLASSIFIED COMBUSTIBLES		
20 03 99	Unclassified combustibles packaging	
20 03 99	Other unclassified combustibles	Animal hair, contents of vacuum cleaner bags (that had

		remained in the bag, as opposed to such contents that form some of the "Fines < 20mm"), tennis balls, bones, rubber, leather, soap
UNCLASSIFIED INCOMBUSTIBLES		
20 03 99	Unclassified incombustibles packaging	
20 03 99	Other unclassified incombustibles	Ceramics, clay plant pots, crockery, stone/ceramic, floor and wall tiles, vases, stones, bricks, cinders, shells
COMPONENTS SMALLER THAN 20 MM ROUND MESH		
20 03 99	Fines smaller than 20mm round	Fragments of glass, yard waste, sand, ashes

Table B.2: Waste Recording Master Sheet

Business Name:				
Date of Survey:			Sheet No.:	
Record ALL Waste Samples				
	Waste Source	Weight (Kg)	Type	Sampled?
1			Mixed/Segregated	Sampled/Not Sampled
2			Mixed/Segregated	Sampled/Not Sampled
3			Mixed/Segregated	Sampled/Not Sampled
4			Mixed/Segregated	Sampled/Not Sampled
5			Mixed/Segregated	Sampled/Not Sampled
6			Mixed/Segregated	Sampled/Not Sampled
7			Mixed/Segregated	Sampled/Not Sampled
8			Mixed/Segregated	Sampled/Not Sampled
9			Mixed/Segregated	Sampled/Not Sampled
10			Mixed/Segregated	Sampled/Not Sampled
11			Mixed/Segregated	Sampled/Not Sampled
12			Mixed/Segregated	Sampled/Not Sampled
13			Mixed/Segregated	Sampled/Not Sampled
14			Mixed/Segregated	Sampled/Not Sampled
15			Mixed/Segregated	Sampled/Not Sampled
16			Mixed/Segregated	Sampled/Not Sampled
17			Mixed/Segregated	Sampled/Not Sampled
18			Mixed/Segregated	Sampled/Not Sampled
19			Mixed/Segregated	Sampled/Not Sampled
20			Mixed/Segregated	Sampled/Not Sampled

Note: Several copies of this form may be used each day.

Table B.3: Mixed Waste Analysis Sheet

Business Name					
Date of Survey:			Sheet No.:		
MIXED WASTE ONLY: Record ONLY SORTED Waste Samples					
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Source					
TOTAL SAMPLE WEIGHT (Kg)					
PAPER					
Office Paper					
Newspaper					
Magazines & glossies					
Tissue Paper					
Other Paper					
Paper Packaging					
CARDBOARD					
Flat Packaging					
Corrugated packaging					
Other (Non Packaging)					
GLASS					
Green Glass (Pac)					
Brown Glass (Pac)					
Clear Glass (Pac)					
Other Glass (non pac)					
PLASTIC					
PET Packaging					
PS Packaging**					
PE Packaging					
PP Packaging					
Plastic Films Packaging*					
Other Plastic Packaging					
Other Plastic					
METAL					
Aluminium Packaging					
Ferrous Metals Packaging					
Non Ferrous Packaging					
Other Ferrous Metals					
Other Non Ferrous					
Other Metal waste					








ORGANIC WASTE					
Food Waste					
Vegetable Oil					
Garden Waste					
Liquid Waste***					
TEXTILES					
Textiles Packaging					
Textiles (Non Packaging)					
Healthcare Textiles (Nappies, etc)					
Clothes					
WOOD					
Wood Packaging					
Other Wood					
COMPOSITES					
Composite Packaging					
Tetra Pak Packaging					
Non Packaging					
SPECIAL/IRREGULAR WASTE					
Electrical & Electronic Equipment					
Fluorescent Bulbs					
Batteries					
Waste Chemicals					
Waste Mineral Oil					
Crockery					
Other ()					
Other ()					
Other ()					
Other ()					
Other ()					
Other ()					

*- Includes Tayto bags

**- PS containers only. PS white packaging included in other plastic packaging

***- Liquid removed from bottles during contamination tests.

Figure B.4: Plastics identification symbols

Abbreviation	Scientific Name	Properties	Examples	Environmental Qualities
PETE  PETE	polyethylene Terphthalate	usually clear or green, sinks in water, rigid, glossy	soda bottles butter jars	recycled into fleece coats, carpet, surfboards
HDPE  HDPE	high density Polyethylene	semi-rigid, sinks in water	milk, water jugs juice, bleach bottles	recycled into plastic lumber products like picnic tables
PVC  V	polyvinyl chloride	semi-rigid, glossy sinks in water	detergent/cleaner bottles, pipes	the by-products from manufacturing are known to cause cancer; recycled into handrails, house siding
LDPE  LDPE	low density polyethylene	flexible, not crinkly	6-pack rings, bread bags, sandwich bags, grocery bags	recycled in small amounts into bags
PP  PP	polypropylene	semi-rigid, low Gloss	margarine tubs, screw-on lids, straws, car bumpers	used in the auto industry, difficult to collect for recycling; recycled into car battery cases
PS  PS	polystyrene	often brittle, glossy	Styrofoam, packing peanuts, egg cartons	no longer made with CFCs, but the by-products from manufacturing degrade air quality; recycled into pencil holders, tape dispensers
 Other	multi-layer Plastics	squeezable	ketchup and syrup bottles	layered aspects make this difficult to recycle; recycled into benches, marine pilings